GP-4 PROCESSORS
GENERAL PROCESSOR
DIGITAL ARBITRARY FUNCTION GENERATOR
DIGITAL DATA PRESELECTOR

727



Technical Training

SINGER
Link Division

GP-4 PROCESSORS

GENERAL PROCESSOR

DIGITAL ARBITRARY FUNCTION GENERATOR

DIGITAL DATA PRESELECTOR

727

ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	RELEASE NO. 4667	10-4	VW
	B W	REVISION UPDATE NO CHANGE EO.	3/30/71	2478

CARD REFERENCE DESIGNATION	B688040 SUB-ASSEMBLY	SHEET NO.	TITLE
A101	687280	2, 3	ARITHMETIC UNIT-BIT ORIENTED
2	↑	4, 5	↑
3		6, 7	
4		8, 9	
5	↓	10, 11	↓
6	687280	12, 13	ARITHMETIC UNIT-BIT ORIENTED
7	687550	14, 15	TTY ⇒ GP LOGIC
8	687294	16, 17	SUMMING, DIFFERENCING & CARRY CONTROL
9	687296	18, 19	MQ TRANSFER & ADDER TRANSFER
10	687290	20, 21, 22	RIGHT SHIFT CONTROL
11	687552	23, 24	GP ⇒ TTY BUFFER REGISTER
12	687356	25, 26	SIGN CONTROL
13	687286	27, 28	(A²+B²) & ADD N CONTROL
14	687280	29, 30	ARITHMETIC UNIT-BIT ORIENTED
15	↑	31, 32	↑
16		33, 34	
17		35, 36	
18		37, 38	
19		39, 40	
A201		41, 42	
2		43, 44	
3		45, 46	
4		47, 48	
5	↓	49, 50	↓
6	687280	51, 52	ARITHMETIC UNIT-BIT ORIENTED
7	B688648	53	PULSE SHAPING
8	687300	54, 55, 56	INTERNAL TRANSFER "B"
9	687292	57, 58	SQUARE ROOT CONTROL
10	687272	59	24 BIT DATA RECEIVERS
11	687288	60, 61	LEFT SHIFT CONTROL
12	688298	62, 63, 64	BIAS SUPPLY
13	688692	65	DMA DEVICE LOCKS As-A8 & Bs-B8
14	687280	66, 67	ARITHMETIC UNIT-BIT ORIENTED
15	↑	68, 69	↑
16		70, 71	
17		72, 73	
18	↓		↓
19	687280	76, 77	ARITHMETIC UNIT-BIT ORIENTED
A301	687314	78, 79	ARITHMETIC UNIT-AUX. LOGIC
2	687318	80	CLOCK PHASE GENERATOR
3	687316	81, 82	CLOCK GATING
4	687358	83, 84	SKIP COUNTER
5	687308	85, 86	FLAG SKIP
6	687418	87, 88	SIM ADDRESS GATES & L.D CONTROL
7	687302	89, 90	PRIORITY & INSTRUCTION RECEIVING GATES
8	687283	91, 92	INSTRUCTION DECODER
9	687284	93, 94	INSTRUCTION (SUBCODE) DECODER
A310	687304	95, 96	MULTI-CELL INSTRUCTION COUNTER

GENERAL PROCESSOR ABBREVIATIONS

ABBREVIATION	DEFINITION
A	A REGISTER
ABS	ABSOLUTE VALUE
ACC	ACCUMULATOR
AU	ARITHMETIC UNIT
A.A.C	AUX. ADDRESS COUNTER
BCD	BINARY CODED DECIMAL
BLD	BOOLEAN LOAD
BST	BOOLEAN STORE
CP	CARRY PROPAGATE
CS	CARRY SAVE
C OUT	CARRY OUT
CTR	COUNTER
DAFG	DIGITAL ARBITARY FUNCTION GENERATOR
DEV	DEVICE LOCK
D/L	DRUM LOADER
DMA	DIRECT MEMORY ACCESS
DP, DDP	DATA PRESELECTOR
DPA	DOUBLE PRECISION ADD
D.S (DSR)	DATA SAVE REGISTER
FLG/SKP	FLAG SKIP
LD	LOAD
MO	MEMORY OUTPUT
MQ	MULTIPLIER QUOTIENT REGISTER
MQS	STORE MQ REGISTER
MSK	MASK ACCUMULATOR
SKP	SKIP
SQR	SQUARE ROOT
ST	STORE
SUB	SUBTRACT
S/S	SINGLE STEP
ZSL	ZERO SLICE

ABBREVIATION	DEFINITION

CARD REFERENCE DESIGNATION	B688040 SUB-ASSEMBLY	SHEET NO.	TITLE
A101	687280	2, 3	ARITHMETIC UNIT-BIT ORIENTED
2		4, 5	
3		6, 7	
4		8, 9	
5		10, 11	
6	687280	12, 13	ARITHMETIC UNIT-BIT ORIENTED
7	687550	14, 15	TTY ⇒ GP LOGIC
8	687294	16, 17	SUMMING, DIFFERENCING & CARRY CONTROL
9	687296	18, 19	MQ TRANSFER & ADDER TRANSFER
10	687290	20, 21, 22	RIGHT SHIFT CONTROL
11	687552	23, 24	GP ⇒ TTY BUFFER REGISTER
12	687356	25, 26	SIGN CONTROL
13	687286	27, 28	(A°+B°) & ADD N CONTROL
14	687280	29, 30	ARITHMETIC UNIT-BIT ORIENTED
15		31, 32	
16		33, 34	
17		35, 36	
18		37, 38	
19		39, 40	
A201		41, 42	
2		43, 44	
3		45, 46	
4		47, 48	
5		49, 50	
6	687280	51, 52	ARITHMETIC UNIT-BIT ORIENTED
7	B688648	53	PULSE SHAPING
8	687300	54, 55, 56	INTERNAL TRANSFER "B"
9	687292	57, 58	SQUARE ROOT CONTROL
10	687272	59	26 BIT DATA RECEIVERS
11	687288	60, 61	LEFT SHIFT CONTROL
12	688298	62, 63, 64	BIAS SUPPLY
13	688692	65	DMA DEVICE LOCKS A_5-A_8 & B_5-B_8
14	687280	66, 67	ARITHMETIC UNIT-BIT ORIENTED
15		68, 69	
16		70, 71	
17		72, 73	
18			
19	687280	74, 77	ARITHMETIC UNIT-BIT ORIENTED
A301	687314	78, 79	ARITHMETIC UNIT-AUX. LOGIC
2	687318	80	CLOCK PHASE GENERATOR
3	687316	81, 82	CLOCK GATING
4	687358	83, 84	SKIP COUNTER
5	687308	85, 86	FLAG SKIP
6	687418	87, 88	OM REGFOS GATES & I.D CONSTANT
7	687302	89, 90	PRIORITY INSTRUCTION RECEIVING GATES
8	687282	91, 92	INSTRUCTION DECODER
9	687284	93, 94	INSTRUCTION (SUBROUTE) DECODER
A310	687304	95, 96	MULTILEVEL INSTRUCTION COUNTER

GENERAL PROCESSOR ABBREVIATIONS

ABBREVIATION	DEFINITION
A	A REGISTER
ABS	ABSOLUTE VALUE
ACC	ACCUMULATOR
A.U.	ARITHMETIC UNIT
A.A.C	AUX. ADDRESS COUNTER
BCD	BINARY CODED DECIMAL
BLD	BOOLEAN LOAD
BST	BOOLEAN STORE
CP	CARRY PROPAGATE
CS	CARRY SAVE
C OUT	CARRY OUT
CTR	COUNTER
DAFG	DIGITAL ARBITARY FUNCTION GENERATOR
DEV_L	DEVICE LOCK
D/L	DRUM LOADER
DMA	DIRECT MEMORY ACCESS
DP, DDP	DATA PRESELECTOR
DPA	DOUBLE PRECISION ADD
D.S.(DSR)	DATA SAVE REGISTER
FLG/SKP	FLAG SKIP
LD	LOAD
MO	MEMORY OUTPUT
MQ	MULTIPLIER QUOTIENT REGISTER
MQS	STORE MQ REGISTER
MSK	MASK ACCUMULATOR
SKP	SKIP
SQR	SQUARE ROOT
ST	STORE
SUB	SUBTRACT
S/S	SINGLE STEP
ZSL	ZERO SLICE

ABBREVIATION	DEFINITION

CARD REFERENCE DESIGNATION	B688040 SUB-ASSEMBLY	SHEET NO.	TITLE
A311	687306	97, 98	SHIFT NORMALIZING AND DE-NORMALIZING COUNTER
12	687310	99, 100	BOOLEAN ARITHMETIC
13	687312	101, 102	BOOLEAN GATING
14	687312	103, 104	BOOLEAN GATING
15	687216	105, 106	PRIORITY LOGIC DEVICE SELECT
16	687216	107, 108	PRIORITY LOGIC DEVICE SELECT
17	687213	109, 110	1 BIT SPLIT (DN) COUNTER
18	687213	111, 112	1 BIT SPLIT (DN) COUNTER
A319	687213	113, 114	1 BIT SPLIT (DN) COUNTER

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	RELEASE NO.		

ADS INH R/W IN SELF TEST

ADJ INH R/W ON LINE

NOTES: 1 GENERAL PROCESSOR BLOCK DIAGRAM IS 621813

B688040E

A

DR		10-4-67
DR CHK		10-9-67
DESGN CHK		10-9-67
MFG. CHK		
PROJ. APPD		10/10/67

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS
MFR. TO LINK STDS
MATL
FINISH

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

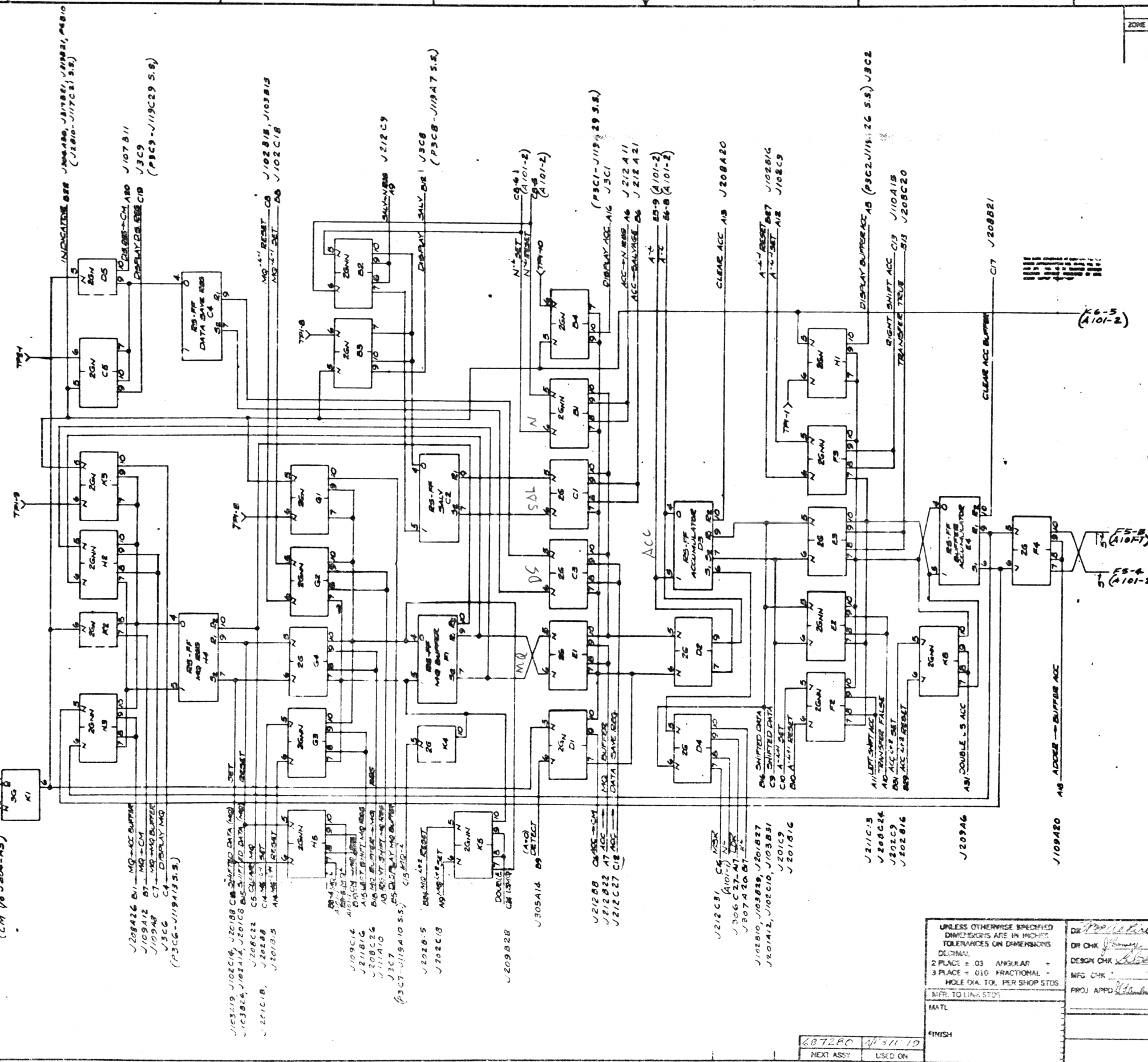
GENERAL PROCESSOR
LOGIC FLOW DIAGRAM

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE | SHEET 1 OF 114

NEXT ASSY | USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



687280	NP 511 19
NEXT ASSY	USED ON

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS
MFR. TO LINK STDS
MATL
FINISH

DR	Pat Lee	9.26.67
DR CHK	J Young	10.9.67
DESIGN CHK	R Stark	10.9.67
MFG CHK	*	
PROJ APPD	R Adamson	10/11/67

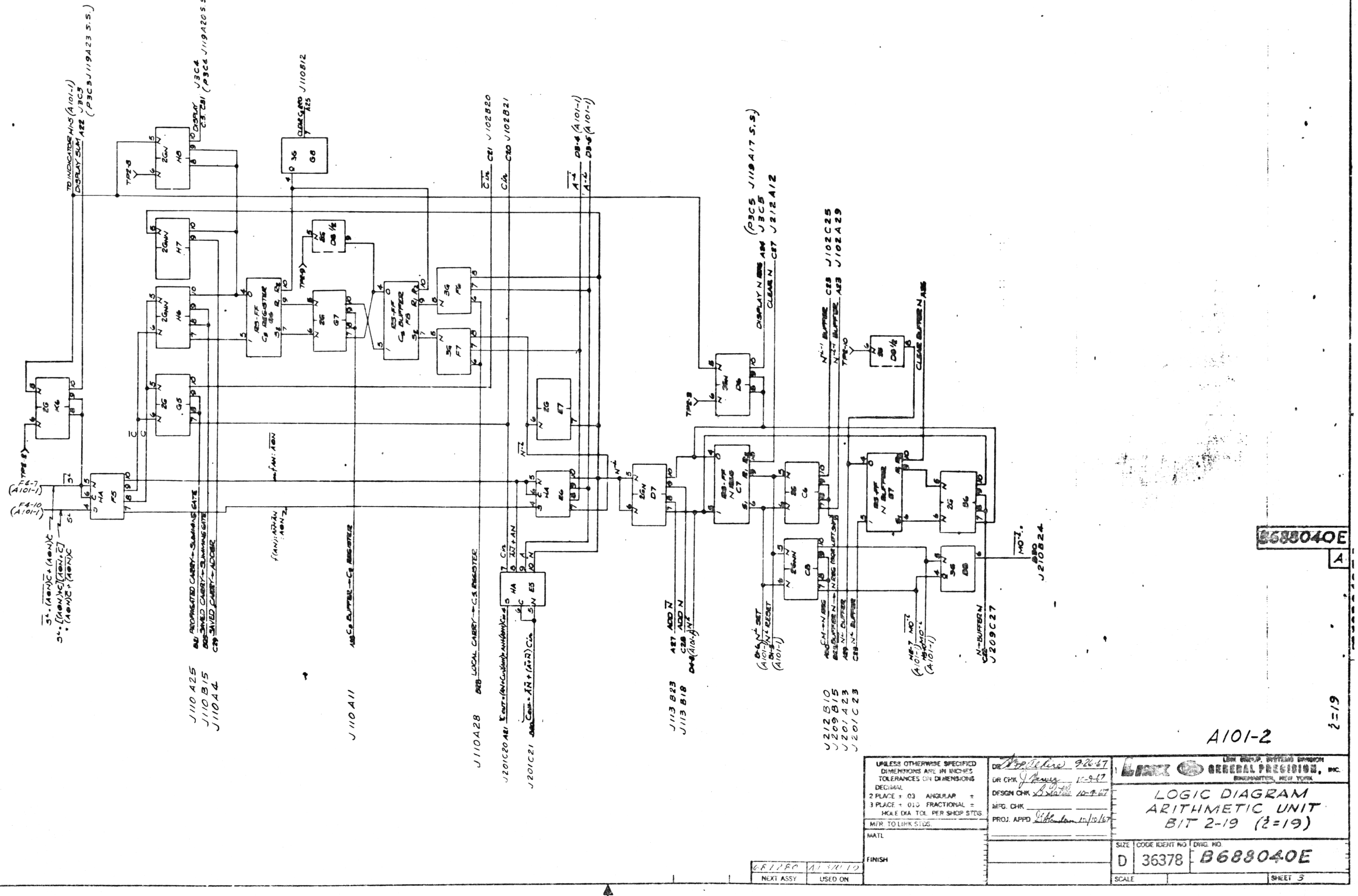
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM ARITHMETIC UNIT BIT 2-19 (i=19)

SIZE	CODE IDENT NO.	DWG NO.
D	36378	B688040E

SCALE — SHEET 2

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA TOL PER SHOP STDS.
MFR TO LINK STDS.
MATL
FINISH

DR	Bob Tellers	9-26-67
DR CHK	J Feeney	10-9-67
DESIGN CHK	B Stahl	10-9-67
MFG. CHK		
PROJ. APPD	Gilbertson	10/10/67

GRIFFO — NEXT ASSY
A101-2 — USED ON

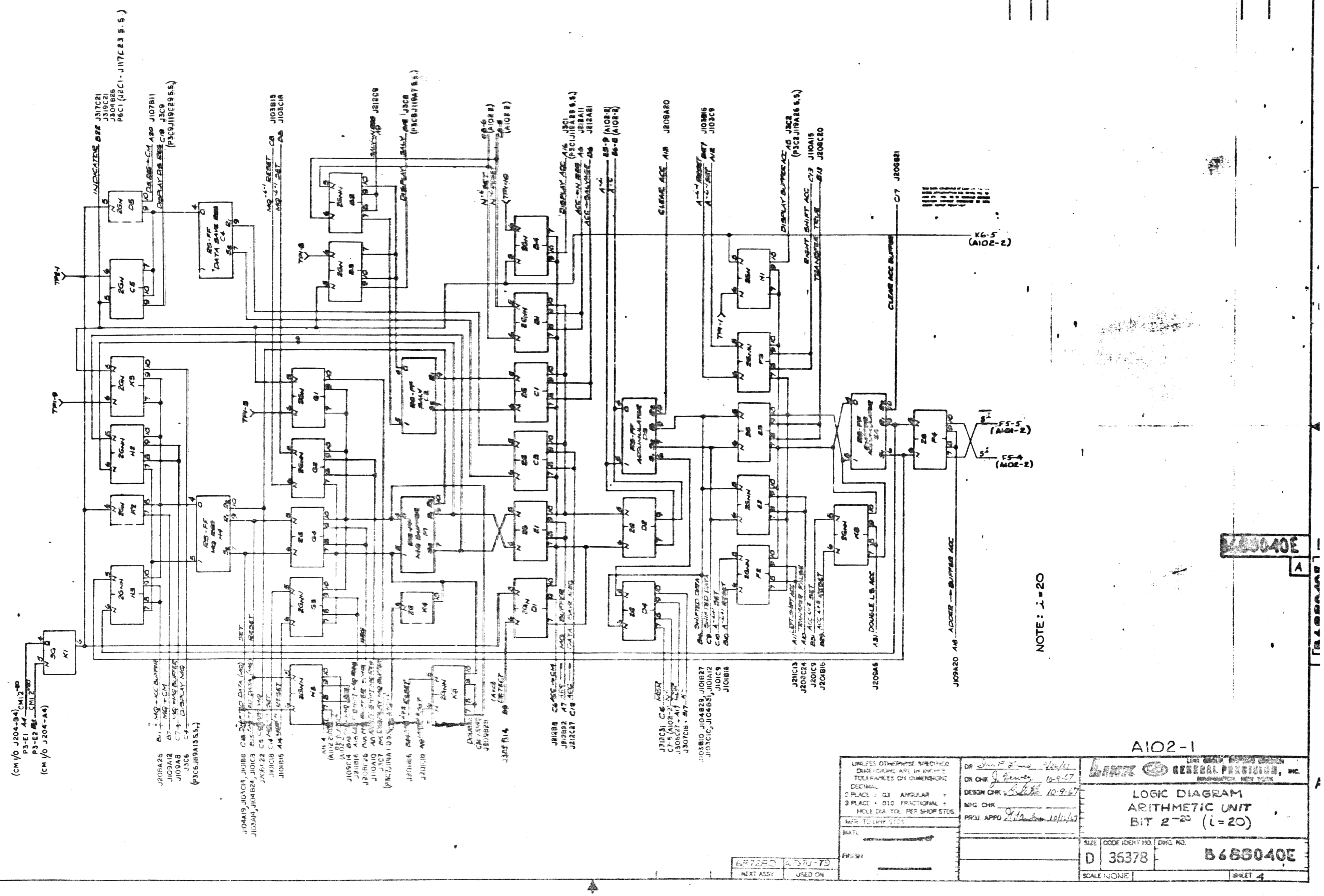
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM ARITHMETIC UNIT BIT 2-19 (2=19)

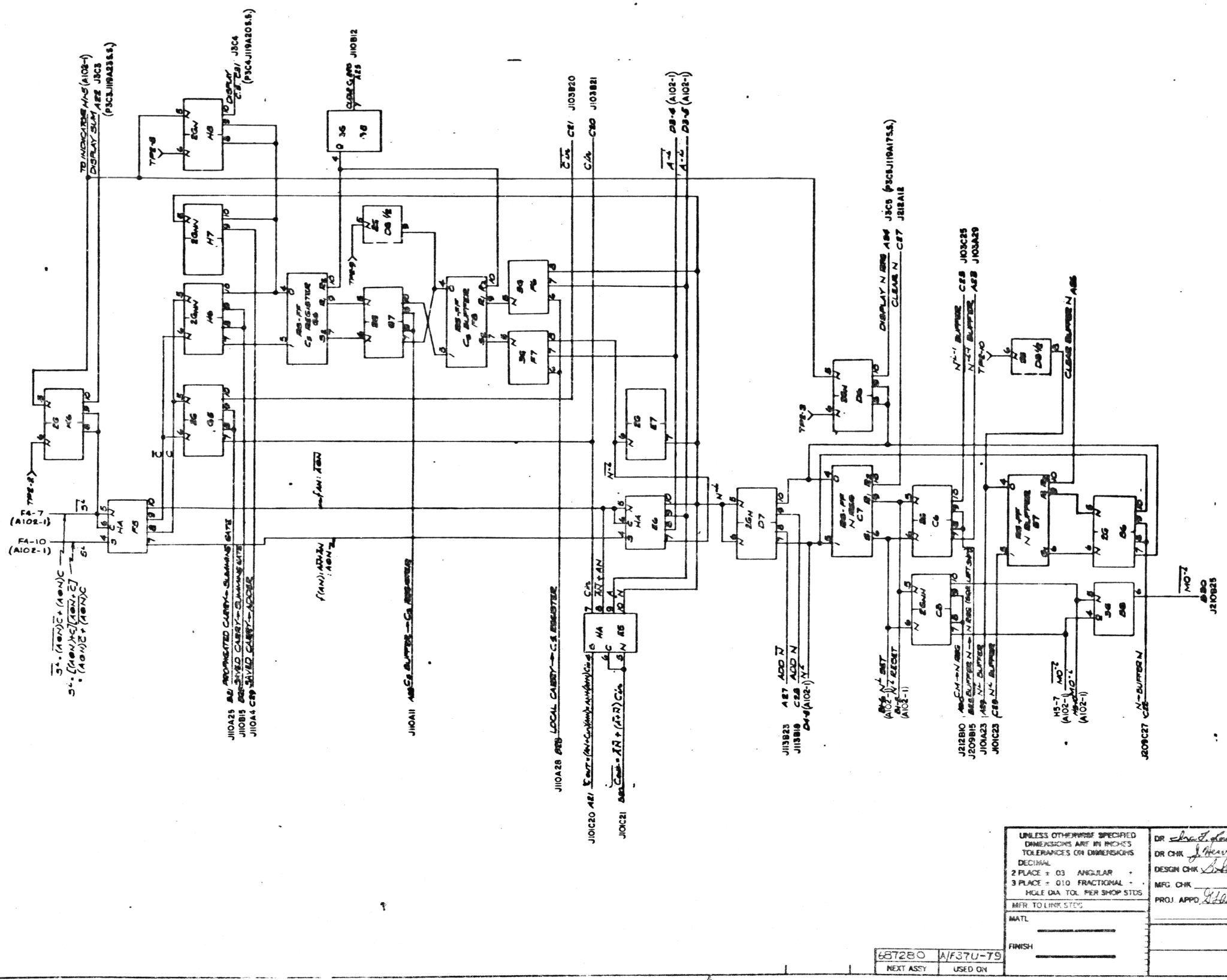
SIZE	CODE IDENT NO	DWG NO.
D	36378	B688040E

SCALE — SHEET 3

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E A

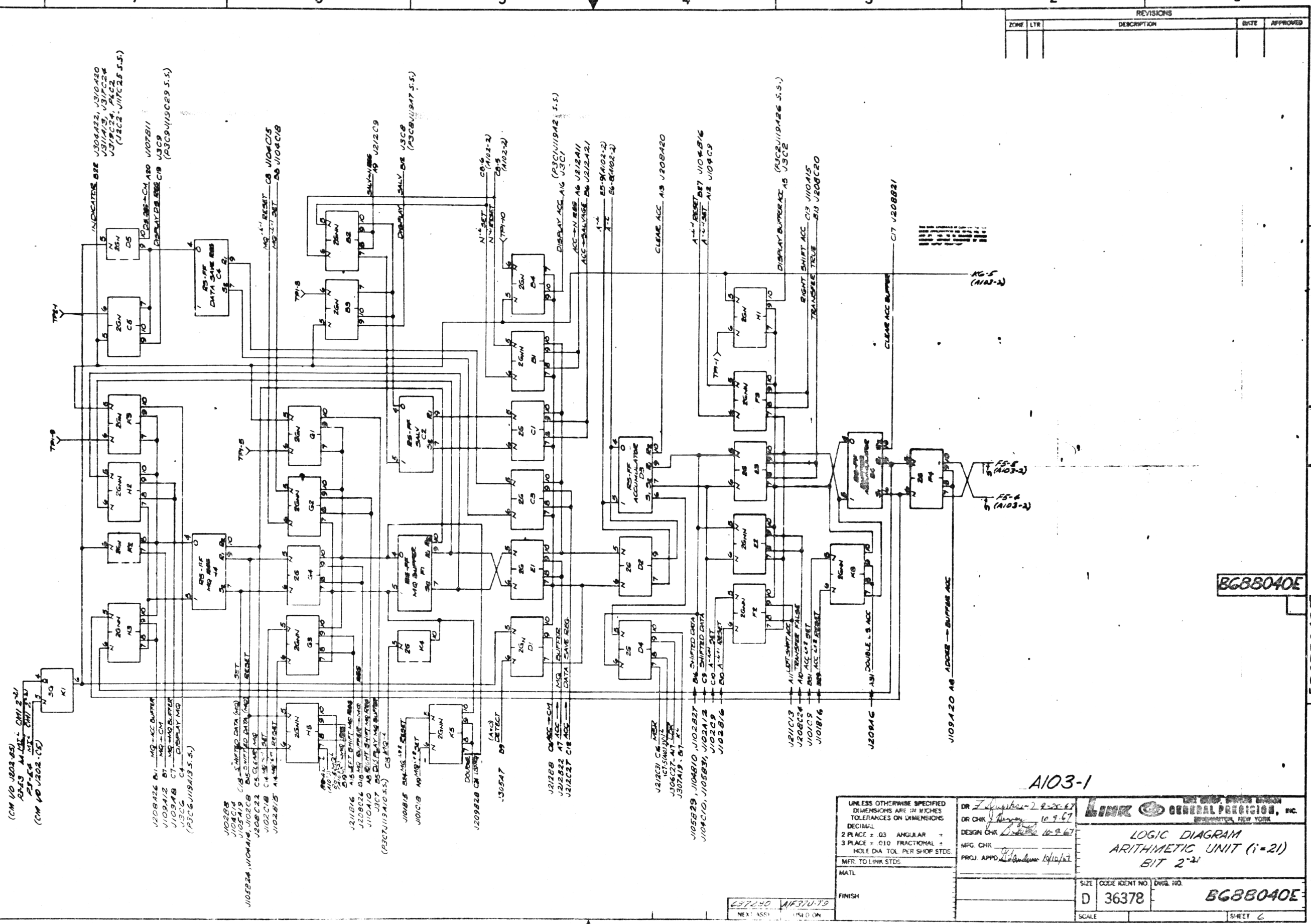
A102-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS	DR Lou Lewis 9-26-67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC.
MFR TO LINK STDS	DR CHK J Heavey 10-9-67	LOGIC DIAGRAM ARITHMETIC UNIT BIT 2^{-20} (i = 20)
MATL	DESIGN CHK [illegible] 10-9-67	SIZE D · CODE IDENT NO 36378 · DWG NO B688040E
FINISH	MFG. CHK	SCALE NONE · SHEET 5
	PROJ. APPD [illegible] 10/10/67	

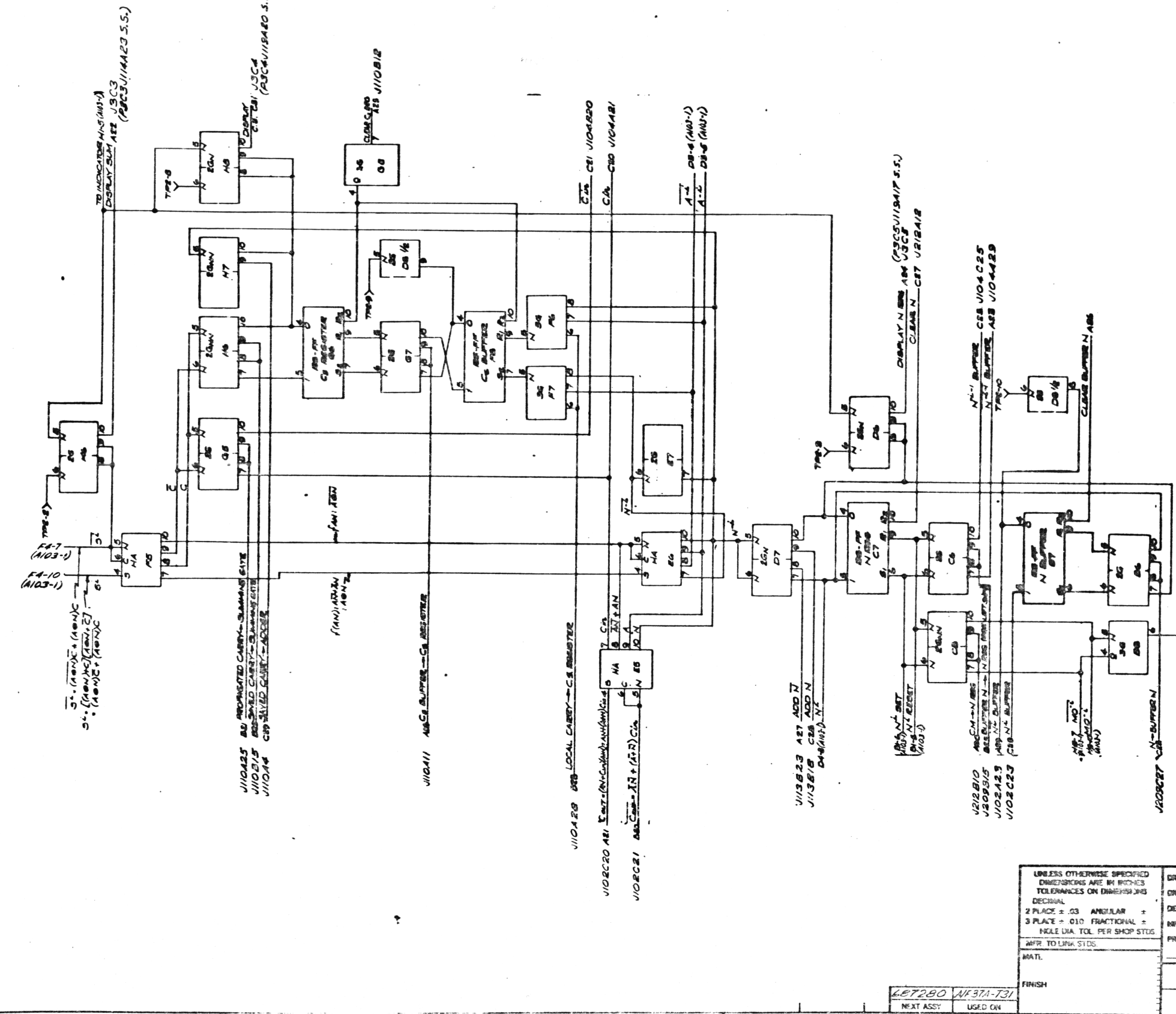
687280	A/F37U-79
NEXT ASSY	USED ON

FORM NO. F 1474-69

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED


INDICATOR
DISPLAY REG
MQ-1 RESET
MQ-1 SET
DISPLAY
SALLY
N-1 SET
N-1 RESET
DISPLAY ACC
ACC-1 RESET
ACC-1 SET
CLEAR ACC
DISPLAY BUFFER ACC
RIGHT SHIFT ACC
TRANSFER
CLEAR ACC BUFFER
FS-5
FS-6
FF
DATA GATE
ACCUMULATOR
MQ BUFFER
SHIFTED DATA
SET
RESET
DETECT
DOUBLE
ADDER — BUFFER ACC
J3C1
J3C2
J3C8
J3C9
J1078/11
J1104C/5
J1104C/8
J1104C/9
J1104B/6
J1104C/5
J1101/5
J1101/6
J208A/20
J208B/21
J208C/20
J1101/3
J1101/5
J1101/6
J1102/7
J1102/9
J1102/8/6
J1102/8/7
J1102/8/8
J1102/8/9
J1102/8/10
J1102/8/27
J1102/1/2
J1102/1/3
J1102/1/4
J1102/1/5
J1102/1/6
J1102/1/7
J1102/1/8
J1102/1/9
J1102/1/10
J1102/1/11
J1102/1/12
J1102/1/13
J1102/1/14
J1102/1/15
J1102/1/16
J1102/1/17
J1102/1/18
J1102/1/19
J1102/1/20
J1102/1/21
J1102/1/22
J1102/1/23
J1102/1/24
J1102/1/25
J1102/1/26
J1102/1/27
J1102/1/28
J1102/1/29
J1102/1/30
J1102/1/31
J1102/1/32
J1102/1/33
J1102/1/34
J1102/1/35
J1102/1/36
J1102/1/37
J1102/1/38
J1102/1/39
J1102/1/40
J1102/1/41
J1102/1/42
J1102/1/43
J1102/1/44
J1102/1/45
J1102/1/46
J1102/1/47
J1102/1/48
J1102/1/49
J1102/1/50
J1102/1/51
J1102/1/52
J1102/1/53
J1102/1/54
J1102/1/55
J1102/1/56
J1102/1/57
J1102/1/58
J1102/1/59
J1102/1/60
J1102/1/61
J1102/1/62
J1102/1/63
J1102/1/64
J1102/1/65
J1102/1/66
J1102/1/67
J1102/1/68
J1102/1/69
J1102/1/70
J1102/1/71
J1102/1/72
J1102/1/73
J1102/1/74
J1102/1/75
J1102/1/76
J1102/1/77
J1102/1/78
J1102/1/79
J1102/1/80
J1102/1/81
J1102/1/82
J1102/1/83
J1102/1/84
J1102/1/85
J1102/1/86
J1102/1/87
J1102/1/88
J1102/1/89
J1102/1/90
J1102/1/91
J1102/1/92
J1102/1/93
J1102/1/94
J1102/1/95
J1102/1/96
J1102/1/97
J1102/1/98
J1102/1/99
J1102/1/100
J1102/1/101
J1102/1/102
J1102/1/103
J1102/1/104
J1102/1/105
J1102/1/106
J1102/1/107
J1102/1/108
J1102/1/109
J1102/1/110
J1102/1/111
J1102/1/112
J1102/1/113
J1102/1/114
J1102/1/115
J1102/1/116
J1102/1/117
J1102/1/118
J1102/1/119
J1102/1/120
J1102/1/121
J1102/1/122
J1102/1/123
J1102/1/124
J1102/1/125
J1102/1/126
J1102/1/127
J1102/1/128
J1102/1/129
J1102/1/130
J1102/1/131
J1102/1/132
J1102/1/133
J1102/1/134
J1102/1/135
J1102/1/136
J1102/1/137
J1102/1/138
J1102/1/139
J1102/1/140
J1102/1/141
J1102/1/142
J1102/1/143
J1102/1/144
J1102/1/145
J1102/1/146
J1102/1/147
J1102/1/148
J1102/1/149
J1102/1/150
J1102/1/151
J1102/1/152
J1102/1/153
J1102/1/154
J1102/1/155
J1102/1/156
J1102/1/157
J1102/1/158
J1102/1/159
J1102/1/160
J1102/1/161
J1102/1/162
J1102/1/163
J1102/1/164
J1102/1/165
J1102/1/166
J1102/1/167
J1102/1/168
J1102/1/169
J1102/1/170
J1102/1/171
J1102/1/172
J1102/1/173
J1102/1/174
J1102/1/175
J1102/1/176
J1102/1/177
J1102/1/178
J1102/1/179
J1102/1/180
J1102/1/181
J1102/1/182
J1102/1/183
J1102/1/184
J1102/1/185
J1102/1/186
J1102/1/187
J1102/1/188
J1102/1/189
J1102/1/190
J1102/1/191
J1102/1/192
J1102/1/193
J1102/1/194
J1102/1/195
J1102/1/196
J1102/1/197
J1102/1/198
J1102/1/199
J1102/1/200
J1102/1/201
J1102/1/202
J1102/1/203
J1102/1/204
J1102/1/205
J1102/1/206
J1102/1/207
J1102/1/208
J1102/1/209
J1102/1/210
J1102/1/211
J1102/1/212
J1102/1/213
J1102/1/214
J1102/1/215
J1102/1/216
J1102/1/217
J1102/1/218
J1102/1/219
J1102/1/220
J1102/1/221
J1102/1/222
J1102/1/223
J1102/1/224
J1102/1/225
J1102/1/226
J1102/1/227
J1102/1/228
J1102/1/229
J1102/1/230
J1102/1/231
J1102/1/232
J1102/1/233
J1102/1/234
J1102/1/235
J1102/1/236
J1102/1/237
J1102/1/238
J1102/1/239
J1102/1/240
J1102/1/241
J1102/1/242
J1102/1/243
J1102/1/244
J1102/1/245
J1102/1/246
J1102/1/247
J1102/1/248
J1102/1/249
J1102/1/250
J1102/1/251
J1102/1/252
J1102/1/253
J1102/1/254
J1102/1/255
J1102/1/256
J1102/1/257
J1102/1/258
J1102/1/259
J1102/1/260
J1102/1/261
J1102/1/262
J1102/1/263
J1102/1/264
J1102/1/265
J1102/1/266
J1102/1/267
J1102/1/268
J1102/1/269
J1102/1/270
J1102/1/271
J1102/1/272
J1102/1/273
J1102/1/274
J1102/1/275
J1102/1/276
J1102/1/277
J1102/1/278
J1102/1/279
J1102/1/280
J1102/1/281
J1102/1/282
J1102/1/283
J1102/1/284
J1102/1/285
J1102/1/286
J1102/1/287
J1102/1/288
J1102/1/289
J1102/1/290
J1102/1/291
J1102/1/292
J1102/1/293
J1102/1/294
J1102/1/295
J1102/1/296
J1102/1/297
J1102/1/298
J1102/1/299
J1102/1/300
J1102/1/301
J1102/1/302
J1102/1/303
J1102/1/304
J1102/1/305
J1102/1/306
J1102/1/307
J1102/1/308
J1102/1/309
J1102/1/310
J1102/1/311
J1102/1/312
J1102/1/313
J1102/1/314
J1102/1/315
J1102/1/316
J1102/1/317
J1102/1/318
J1102/1/319
J1102/1/320
J1102/1/321
J1102/1/322
J1102/1/323
J1102/1/324
J1102/1/325
J1102/1/326
J1102/1/327
J1102/1/328
J1102/1/329
J1102/1/330
J1102/1/331
J1102/1/332
J1102/1/333
J1102/1/334
J1102/1/335
J1102/1/336
J1102/1/337
J1102/1/338
J1102/1/339
J1102/1/340
J1102/1/341
J1102/1/342
J1102/1/343
J1102/1/344
J1102/1/345
J1102/1/346
J1102/1/347
J1102/1/348
J1102/1/349
J1102/1/350
J1102/1/351
J1102/1/352
J1102/1/353
J1102/1/354
J1102/1/355
J1102/1/356
J1102/1/357
J1102/1/358
J1102/1/359
J1102/1/360
J1102/1/361
J1102/1/362
J1102/1/363
J1102/1/364
J1102/1/365
J1102/1/366
J1102/1/367
J1102/1/368
J1102/1/369
J1102/1/370
J1102/1/371
J1102/1/372
J1102/1/373
J1102/1/374
J1102/1/375
J1102/1/376
J1102/1/377
J1102/1/378
J1102/1/379
J1102/1/380
J1102/1/381
J1102/1/382
J1102/1/383
J1102/1/384
J1102/1/385
J1102/1/386
J1102/1/387
J1102/1/388
J1102/1/389
J1102/1/390
J1102/1/391
J1102/1/392
J1102/1/393
J1102/1/394
J1102/1/395
J1102/1/396
J1102/1/397
J1102/1/398
J1102/1/399
J1102/1/400
J1102/1/401
J1102/1/402
J1102/1/403
J1102/1/404
J1102/1/405
J1102/1/406
J1102/1/407
J1102/1/408
J1102/1/409
J1102/1/410
J1102/1/411
J1102/1/412
J1102/1/413
J1102/1/414
J1102/1/415
J1102/1/416
J1102/1/417
J1102/1/418
J1102/1/419
J1102/1/420
J1102/1/421
J1102/1/422
J1102/1/423
J1102/1/424
J1102/1/425
J1102/1/426
J1102/1/427
J1102/1/428
J1102/1/429
J1102/1/430
J1102/1/431
J1102/1/432
J1102/1/433
J1102/1/434
J1102/1/435
J1102/1/436
J1102/1/437
J1102/1/438
J1102/1/439
J1102/1/440
J1102/1/441
J1102/1/442
J1102/1/443
J1102/1/444
J1102/1/445
J1102/1/446
J1102/1/447
J1102/1/448
J1102/1/449
J1102/1/450
J1102/1/451
J1102/1/452
J1102/1/453
J1102/1/454
J1102/1/455
J1102/1/456
J1102/1/457
J1102/1/458
J1102/1/459
J1102/1/460
J1102/1/461
J1102/1/462
J1102/1/463
J1102/1/464
J1102/1/465
J1102/1/466
J1102/1/467
J1102/1/468
J1102/1/469
J1102/1/470
J1102/1/471
J1102/1/472
J1102/1/473
J1102/1/474
J1102/1/475
J1102/1/476
J1102/1/477
J1102/1/478
J1102/1/479
J1102/1/480
J1102/1/481
J1102/1/482
J1102/1/483
J1102/1/484
J1102/1/485
J1102/1/486
J1102/1/487
J1102/1/488
J1102/1/489
J1102/1/490
J1102/1/491
J1102/1/492
J1102/1/493
J1102/1/494
J1102/1/495
J1102/1/496
J1102/1/497
J1102/1/498
J1102/1/499
J1102/1/500
J1102/1/501
J1102/1/502
J1102/1/503
J1102/1/504
J1102/1/505
J1102/1/506
J1102/1/507
J1102/1/508
J1102/1/509
J1102/1/510
J1102/1/511
J1102/1/512
J1102/1/513
J1102/1/514
J1102/1/515
J1102/1/516
J1102/1/517
J1102/1/518
J1102/1/519
J1102/1/520
J1102/1/521
J1102/1/522
J1102/1/523
J1102/1/524
J1102/1/525
J1102/1/526
J1102/1/527
J1102/1/528
J1102/1/529
J1102/1/530
J1102/1/531
J1102/1/532
J1102/1/533
J1102/1/534
J1102/1/535
J1102/1/536
J1102/1/537
J1102/1/538
J1102/1/539
J1102/1/540
J1102/1/541
J1102/1/542
J1102/1/543
J1102/1/544
J1102/1/545
J1102/1/546
J1102/1/547
J1102/1/548
J1102/1/549
J1102/1/550
J1102/1/551
J1102/1/552
J1102/1/553
J1102/1/554
J1102/1/555
J1102/1/556
J1102/1/557
J1102/1/558
J1102/1/559
J1102/1/560
J1102/1/561
J1102/1/562
J1102/1/563
J1102/1/564
J1102/1/565
J1102/1/566
J1102/1/567
J1102/1/568
J1102/1/569
J1102/1/570
J1102/1/571
J1102/1/572
J1102/1/573
J1102/1/574
J1102/1/575
J1102/1/576
J1102/1/577
J1102/1/578
J1102/1/579
J1102/1/580
J1102/1/581
J1102/1/582
J1102/1/583
J1102/1/584
J1102/1/585
J1102/1/586
J1102/1/587
J1102/1/588
J1102/1/589
J1102/1/590
J1102/1/591
J1102/1/592
J1102/1/593
J1102/1/594
J1102/1/595
J1102/1/596
J1102/1/597
J1102/1/598
J1102/1/599
J1102/1/600
J1102/1/601
J1102/1/602
J1102/1/603
J1102/1/604
J1102/1/605
J1102/1/606
J1102/1/607
J1102/1/608
J1102/1/609
J1102/1/610
J1102/1/611
J1102/1/612
J1102/1/613
J1102/1/614
J1102/1/615
J1102/1/616
J1102/1/617
J1102/1/618
J1102/1/619
J1102/1/620
J1102/1/621
J1102/1/622
J1102/1/623
J1102/1/624
J1102/1/625
J1102/1/626
J1102/1/627
J1102/1/628
J1102/1/629
J1102/1/630
J1102/1/631
J1102/1/632
J1102/1/633
J1102/1/634
J1102/1/635
J1102/1/636
J1102/1/637
J1102/1/638
J1102/1/639
J1102/1/640
J1102/1/641
J1102/1/642
J1102/1/643
J1102/1/644
J1102/1/645
J1102/1/646
J1102/1/647
J1102/1/648
J1102/1/649
J1102/1/650
J1102/1/651
J1102/1/652
J1102/1/653
J1102/1/654
J1102/1/655
J1102/1/656
J1102/1/657
J1102/1/658
J1102/1/659
J1102/1/660
J1102/1/661
J1102/1/662
J1102/1/663
J1102/1/664
J1102/1/665
J1102/1/666
J1102/1/667
J1102/1/668
J1102/1/669
J1102/1/670
J1102/1/671
J1102/1/672
J1102/1/673
J1102/1/674
J1102/1/675
J1102/1/676
J1102/1/677
J1102/1/678
J1102/1/679
J1102/1/680
J1102/1/681
J1102/1/682
J1102/1/683
J1102/1/684
J1102/1/685
J1102/1/686
J1102/1/687
J1102/1/688
J1102/1/689
J1102/1/690
J1102/1/691
J1102/1/692
J1102/1/693
J1102/1/694
J1102/1/695
J1102/1/696
J1102/1/697
J1102/1/698
J1102/1/699
J1102/1/700
J1102/1/701
J1102/1/702
J1102/1/703
J1102/1/704
J1102/1/705
J1102/1/706
J1102/1/707
J1102/1/708
J1102/1/709
J1102/1/710
J1102/1/711
J1102/1/712
J1102/1/713
J1102/1/714
J1102/1/715
J1102/1/716
J1102/1/717
J1102/1/718
J1102/1/719
J1102/1/720
J1102/1/721
J1102/1/722
J1102/1/723
J1102/1/724
J1102/1/725
J1102/1/726
J1102/1/727
J1102/1/728
J1102/1/729
J1102/1/730
J1102/1/731
J1102/1/732
J1102/1/733
J1102/1/734
J1102/1/735
J1102/1/736
J1102/1/737
J1102/1/738
J1102/1/739
J1102/1/740
J1102/1/741
J1102/1/742
J1102/1/743
J1102/1/744
J1102/1/745
J1102/1/746
J1102/1/747
J1102/1/748
J1102/1/749
J1102/1/750
J1102/1/751
J1102/1/752
J1102/1/753
J1102/1/754
J1102/1/755
J1102/1/756
J1102/1/757
J1102/1/758
J1102/1/759
J1102/1/760
J1102/1/761
J1102/1/762
J1102/1/763
J1102/1/764
J1102/1/765
J1102/1/766
J1102/1/767
J1102/1/768
J1102/1/769
J1102/1/770
J1102/1/771
J1102/1/772
J1102/1/773
J1102/1/774
J1102/1/775
J1102/1/776
J1102/1/777
J1102/1/778
J1102/1/779
J1102/1/780
J1102/1/781
J1102/1/782
J1102/1/783
J1102/1/784
J1102/1/785
J1102/1/786
J1102/1/787
J1102/1/788
J1102/1/789
J1102/1/790
J1102/1/791
J1102/1/792
J1102/1/793
J1102/1/794
J1102/1/795
J1102/1/796
J1102/1/797
J1102/1/798
J1102/1/799
J1102/1/800
J1102/1/801
J1102/1/802
J1102/1/803
J1102/1/804
J1102/1/805
J1102/1/806
J1102/1/807
J1102/1/808
J1102/1/809
J1102/1/810
J1102/1/811
J1102/1/812
J1102/1/813
J1102/1/814
J1102/1/815
J1102/1/816
J1102/1/817
J1102/1/818
J1102/1/819
J1102/1/820
J1102/1/821
J1102/1/822
J1102/1/823
J1102/1/824
J1102/1/825
J1102/1/826
J1102/1/827
J1102/1/828
J1102/1/829
J1102/1/830
J1102/1/831
J1102/1/832
J1102/1/833
J1102/1/834
J1102/1/835
J1102/1/836
J1102/1/837
J1102/1/838
J1102/1/839
J1102/1/840
J1102/1/841
J1102/1/842
J1102/1/843
J1102/1/844
J1102/1/845
J1102/1/846
J1102/1/847
J1102/1/848
J1102/1/849
J1102/1/850
J1102/1/851
J1102/1/852
J1102/1/853
J1102/1/854
J1102/1/855
J1102/1/856
J1102/1/857
J1102/1/858
J1102/1/859
J1102/1/860
J1102/1/861
J1102/1/862
J1102/1/863
J1102/1/864
J1102/1/865
J1102/1/866
J1102/1/867
J1102/1/868
J1102/1/869
J1102/1/870
J1102/1/871
J1102/1/872
J1102/1/873
J1102/1/874
J1102/1/875
J1102/1/876
J1102/1/877
J1102/1/878
J1102/1/879
J1102/1/880
J1102/1/881
J1102/1/882
J1102/1/883
J1102/1/884
J1102/1/885
J1102/1/886
J1102/1/887
J1102/1/888
J1102/1/889
J1102/1/890
J1102/1/891
J1102/1/892
J1102/1/893
J1102/1/894
J1102/1/895
J1102/1/896
J1102/1/897
J1102/1/898
J1102/1/899
J1102/1/900
J1102/1/901
J1102/1/902
J1102/1/903
J1102/1/904
J1102/1/905
J1102/1/906
J1102/1/907
J1102/1/908
J1102/1/909
J1102/1/910
J1102/1/911
J1102/1/912
J1102/1/913
J1102/1/914
J1102/1/915
J1102/1/916
J1102/1/917
J1102/1/918
J1102/1/919
J1102/1/920
J1102/1/921
J1102/1/922
J1102/1/923
J1102/1/924
J1102/1/925
J1102/1/926
J1102/1/927
J1102/1/928
J1102/1/929
J1102/1/930
J1102/1/931
J1102/1/932
J1102/1/933
J1102/1/934
J1102/1/935
J1102/1/936
J1102/1/937
J1102/1/938
J1102/1/939
J1102/1/940
J1102/1/941
J1102/1/942
J1102/1/943
J1102/1/944
J1102/1/945
J1102/1/946
J1102/1/947
J1102/1/948
J1102/1/949
J1102/1/950
J1102/1/951
J1102/1/952
J1102/1/953
J1102/1/954
J1102/1/955
J1102/1/956
J1102/1/957
J1102/1/958
J1102/1/959
J1102/1/960
J1102/1/961
J1102/1/962
J1102/1/963
J1102/1/964
J1102/1/965
J1102/1/966
J1102/1/967
J1102/1/968
J1102/1/969
J1102/1/970
J1102/1/971
J1102/1/972
J1102/1/973
J1102/1/974
J1102/1/975
J1102/1/976
J1102/1/977
J1102/1/978
J1102/1/979
J1102/1/980
J1102/1/981
J1102/1/982
J1102/1/983
J1102/1/984
J1102/1/985
J1102/1/986
J1102/1/987
J1102/1/988
J1102/1/989
J1102/1/990
J1102/1/991
J1102/1/992
J1102/1/993
J1102/1/994
J1102/1/995
J1102/1/996
J1102/1/997
J1102/1/998
J1102/1/999
J1102/1/1000
J1102/1/1001
J1102/1/1002
J1102/1/1003
J1102/1/1004
J1102/1/1005
J1102/1/1006
J1102/1/1007
J1102/1/1008
J1102/1/1009
J1102/1/1010
J1102/1/1011
J1102/1/1012
J1102/1/1013
J1102/1/1014
J1102/1/1015
J1102/1/1016
J1102/1/1017
J1102/1/1018
J1102/1/1019
J1102/1/1020
J1102/1/1021
J1102/1/1022
J1102/1/1023
J1102/1/1024
J1102/1/1025
J1102/1/1026
J1102/1/1027
J1102/1/1028
J1102/1/1029
J1102/1/1030
J1102/1/1031
J1102/1/1032
J1102/1/1033
J1102/1/1034
J1102/1/1035
J1102/1/1036
J1102/1/1037
J1102/1/1038
J1102/1/1039
J1102/1/1040
J1102/1/1041
J1102/1/1042
J1102/1/1043
J1102/1/1044
J1102/1/1045
J1102/1/1046
J1102/1/1047
J1102/1/1048
J1102/1/1049
J1102/1/1050
J1102/1/1051
J1102/1/1052
J1102/1/1053
J1102/1/1054
J1102/1/1055
J1102/1/1056
J1102/1/1057
J1102/1/1058
J1102/1/1059
J1102/1/1060
J1102/1/1061
J1102/1/1062
J1102/1/1063
J1102/1/1064
J1102/1/1065
J1102/1/1066
J1102/1/1067
J1102/1/1068
J1102/1/1069
J1102/1/1070
J1102/1/1071
J1102/1/1072
J1102/1/1073
J1102/1/1074
J1102/1/1075
J1102/1/1076
J1102/1/1077
J1102/1/1078
J1102/1/1079
J1102/1/1080
J1102/1/1081
J1102/1/1082
J1102/1/1083
J1102/1/1084
J1102/1/1085
J1102/1/1086
J1102/1/1087
J1102/1/1088
J1102/1/1089
J1102/1/1090
J1102/1/1091
J1102/1/1092
J1102/1/1093
J1102/1/1094
J1102/1/1095
J1102/1/1096
J1102/1/1097
J1102/1/1098
J1102/1/1099
J1102/1/1100
J1102/1/1101
J1102/1/1102
J1102/1/1103
J1102/1/1104
J1102/1/1105
J1102/1/1106
J1102/1/1107
J1102/1/1108
J1102/1/1109
J1102/1/1110
J1102/1/1111
J1102/1/1112
J1102/1/1113
J1102/1/1114
J1102/1/1115
J1102/1/1116
J1102/1/1117
J1102/1/1118
J1102/1/1119
J1102/1/1120
J1102/1/1121
J1102/1/1122
J1102/1/1123
J1102/1/1124
J1102/1/1125
J1102/1/1126
J1102/1/1127
J1102/1/1128
J1102/1/1129
J1102/1/1130
J1102/1/1131
J1102/1/1132
J1102/1/1133
J1102/1/1134
J1102/1/1135
J1102/1/1136
J1102/1/1137
J1102/1/1138
J1102/1/1139
J1102/1/1140
J1102/1/1141
J1102/1/1142
J1102/1/1143
J1102/1/1144
J1102/1/1145
J1102/1/1146
J1102/1/1147
J1102/1/1148
J1102/1/1149
J1102/1/1150
J1102/1/1151
J1102/1/1152
J1102/1/1153
J1102/1/1154
J1102/1/1155
J1102/1/1156
J1102/1/1157
J1102/1/1158
J1102/1/1159
J1102/1/1160
J1102/1/1161
J1102/1/1162
J1102/1/1163
J1102/1/1164
J1102/1/1165
J1102/1/1166
J1102/1/1167
J1102/1/1168
J1102/1/1169
J1102/1/1170
J1102/1/1171
J1102/1/1172
J1102/1/1173
J1102/1/1174
J1102/1/1175
J1102/1/1176
J1102/1/1177
J1102/1/1178
J1102/1/1179
J1102/1/1180
J1102/1/1181
J1102/1/1182
J1102/1/1183
J1102/1/1184
J1102/1/1185
J1102/1/1186
J1102/1/1187
J1102/1/1188
J1102/1/1189
J1102/1/1190
J1102/1/1191
J1102/1/1192
J1102/1/1193
J1102/1/1194
J1102/1/1195
J1102/1/1196
J1102/1/1197
J1102/1/1198
J1102/1/1199
J1102/1/1200
J1102/1/1201
J1102/1/1202
J1102/1/1203
J1102/1/1204
J1102/1/1205
J1102/1/1206
J1102/1/1207
J1102/1/1208
J1102/1/1209
J1102/1/1210
J1102/1/1211
J1102/1/1212
J1102/1/1213
J1102/1/1214
J1102/1/1215
J1102/1/1216
J1102/1/1217
J1102/1/1218
J1102/1/1219
J1102/1/1220
J1102/1/1221
J1102/1/1222
J1102/1/1223
J1102/1/1224
J1102/1/1225
J1102/1/1226
J1102/1/1227
J1102/1/1228
J1102/1/1229
J1102/1/1230
J1102/1/1231
J1102/1/1232
J1102/1/1233
J1102/1/1234
J1102/1/1235
J1102/1/1236
J1102/1/1237
J1102/1/1238
J1102/1/1239
J1102/1/1240
J1102/1/1241
J1102/1/1242
J1102/1/1243
J1102/1/1244
J1102/1/1245
J1102/1/1246
J1102/1/1247
J1102/1/1248
J1102/1/1249
J1102/1/1250
J1102/1/1251
J1102/1/1252
J1102/1/1253
J1102/1/1254
J1102/1/1255
J1102/1/1256
J1102/1/1257
J1102/1/1258
J1102/1/1259
J1102/1/1260
J1102/1/1261
J1102/1/1262
J1102/1/1263
J1102/1/1264
J1102/1/1265
J1102/1/1266
J1102/1/1267
J1102/1/1268
J1102/1/1269
J1102/1/1270
J1102/1/1271
J1102/1/1272
J1102/1/1273
J1102/1/1274
J1102/1/1275
J1102/1/1276
J1102/1/1277
J1102/1/1278
J1102/1/1279
J1102/1/1280
J1102/1/1281
J1102/1/1282
J1102/1/1283
J1102/1/1284
J1102/1/1285
J1102/1/1286
J1102/1/1287
J1102/1/1288
J1102/1/1289
J1102/1/1290
J1102/1/1291
J1102/1/1292
J1102/1/1293
J1102/1/1294
J1102/1/1295
J1102/1/1296
J1102/1/1297
J1102/1/1298
J1102/1/1299
J1102/1/1300
J1102/1/1301
J1102/1/1302
J1102/1/1303
J1102/1/1304
J1102/1/1305
J1102/1/1306
J1102/1/1307
J1102/1/1308
J1102/1/1309
J1102/1/1310
J1102/1/1311
J1102/1/1312
J1102/1/1313
J1102/1/1314
J1102/1/1315
J1102/1/1316
J1102/1/1317
J1102/1/1318
J1102/1/1319
J1102/1/1320
J1102/1/1321
J1102/1/1322
J1102/1/1323
J1102/1/1324
J1102/1/1325
J1102/1/1326
J1102/1/1327
J1102/1/1328
J1102/1/1329
J1102/1/1330
J1102/1/1331
J1102/1/1332
J1102/1/1333
J1102/1/1334
J1102/1/1335
J1102/1/1336
J1102/1/1337
J1102/1/1338
J1102/1/1339
J1102/1/1340
J1102/1/1341
J1102/1/1342
J1102/1/1343
J1102/1/1344
J1102/1/1345
J1102/1/1346
J1102/1/1347
J1102/1/1348
J1102/1/1349
J1102/1/1350
J1102/1/1351
J1102/1/1352
J1102/1/1353
J1102/1/1354
J1102/1/1355
J1102/1/1356
J1102/1/1357
J1102/1/1358
J1102/1/1359
J1102/1/1360
J1102/1/1361
J1102/1/1362
J1102/1/1363
J1102/1/1364
J1102/1/1365
J1102/1/1366
J1102/1/1367
J1102/1/1368
J1102/1/1369
J1102/1/1370
J1102/1/1371
J1102/1/1372
J1102/1/1373
J1102/1/1374
J1102/1/1375
J1102/1/1376
J1102/1/1377
J1102/1/1378
J1102/1/1379
J1102/1/1380
J1102/1/1381
J1102/1/1382
J1102/1/1383
J1102/1/1384
J1102/1/1385
J1102/1/1386
J1102/1/1387
J1102/1/1388
J1102/1/1389
J1102/1/1390
J1102/1/1391
J1102/1/1392
J1102/1/1393
J1102/1/1394
J1102/1/1395
J1102/1/1396
J1102/1/1397
J1102/1/1398
J1102/1/1399
J1102/1/1400
J1102/1/1401
J1102/1/1402
J1102/1/1403
J1102/1/1404
J1102/1/1405
J1102/1/1406
J1102/1/1407
J1102/1/1408
J1102/1/1409
J1102/1/1410
J1102/1/1411
J1102/1/1412
J1102/1/1413
J1102/1/1414
J1102/1/1415
J1102/1/1416
J1102/1/1417
J1102/1/1418
J1102/1/1419
J1102/1/1420
J1102/1/1421
J1102/1/1422
J1102/1/1423
J1102/1/1424
J1102/1/1425
J1102/1/1426
J1102/1/1427
J1102/1/1428
J1102/1/1429
J1102/1/1430
J1102/1/1431
J1102/1/1432
J1102/1/1433
J1102/1/1434
J1102/1/1435
J1102/1/1436
J1102/1/1437
J1102/1/1438
J1102/1/1439
J1102/1/1440
J1102/1/1441
J1102/1/1442
J1102/1/1443
J1102/1/1444
J1102/1/1445
J1102/1/1446
J1102/1/1447
J1102/1/1448
J1102/1/1449
J1102/1/1450
J1102/1/1451
J1102/1/1452
J1102/1/1453
J1102/1/1454
J1102/1/1455
J1102/1/1456
J1102/1/1457
J1102/1/1458
J1102/1/1459
J1102/1/1460
J1102/1/1461
J1102/1/1462
J1102/1/1463
J1102/1/1464
J1102/1/1465
J1102/1/1466
J1102/1/1467
J1102/1/1468
J1102/1/1469
J1102/1/1470
J1102/1/1471
J1102/1/1472
J1102/1/1473
J1102/1/1474
J1102/1/1475
J1102/1/1476
J1102/1/1477
J1102/1/1478
J1102/1/1479
J1102/1/1480
J1102/1/1481
J1102/1/1482
J1102/1/1483
J1102/1/1484
J1102/1/1485
J1102/1/1486
J1102/1/1487
J1102/1/1488
J1102/1/1489
J1102/1/1490
J1102/1/1491
J1102/1/1492
J1102/1/1493
J1102/1/1494
J1102/1/1495
J1102/1/1496
J1102/1/1497
J1102/1/1498
J1102/1/1499
J1102/1/1500
J1102/1/1501
J1102/1/1502
J1102/1/1503
J1102/1/1504
J1102/1/1505
J1102/1/1506
J1102/1/1507
J1102/1/1508
J1102/1/1509
J1102/1/1510
J1102/1/1511
J1102/1/1512
J1102/1/1513
J1102/1/1514
J1102/1/1515
J1102/1/1516
J1102/1/1517
J1102/1/1518
J1102/1/1519
J1102/1/1520
J1102/1/1521
J1102/1/1522
J1102/1/1523
J1102/1/1524
J1102/1/1525
J1102/1/1526
J1102/1/1527
J1102/1/1528
J1102/1/1529
J1102/1/1530
J1102/1/1531
J1102/1/1532
J1102/1/1533
J1102/1/1534
J1102/1/1535
J1102/1/1536
J1102/1/1537
J1102/1/1538
J1102/1/1539
J1102/1/1540
J1102/1/1541
J1102/1/1542
J1102/1/1543
J1102/1/1544
J1102/1/1545
J1102/1/1546
J1102/1/1547
J1102/1/1548
J1102/1/1549
J1102/1/1550
J1102/1/1551
J1102/1/1552
J1102/1/1553
J1102/1/1554
J1102/1/1555
J1102/1/1556
J1102/1/1557
J1102/1/1558
J1102/1/1559
J1102/1/1560
J1102/1/1561
J1102/1/1562
J1102/1/1563
J1102/1/1564
J1102/1/1565
J1102/1/1566
J1102/1/1567
J1102/1/1568
J1102/1/1569
J1102/1/1570
J1102/1/1571
J1102/1/1572
J1102/1/1573
J1102/1/1574
J1102/1/1575
J1102/1/1576
J1102/1/1577
J1102/1/1578
J1102/1/1579
J1102/1/1580
J1102/1/1581
J1102/1/1582
J1102/1/1583
J1102/1/1584
J1102/1/1585
J1102/1/1586
J1102/1/1587
J1102/1/1588
J1102/1/1589
J1102/1/1590
J1102/1/1591
J1102/1/1592
J1102/1/1593
J1102/1/1594
J1102/1/1595
J1102/1/1596
J1102/1/1597
J1102/1/1598
J1102/1/1599
J1102/1/1600
J1102/1/1601
J1102/1/1602
J1102/1/1603
J1102/1/1604
J1102/1/1605
J1102/1/1606
J1102/1/1607
J1102/1/1608
J1102/1/1609
J1102/1/1610
J1102/1/1611
J1102/1/1612
J1102/1/1613
J1102/1/1614
J1102/1/1615
J1102/1/1616
J1102/1/1617
J1102/1/1618
J1102/1/1619
J1102/1/1620
J1102/1/1621
J1102/1/1622
J1102/1/1623
J1102/1/1624
J1102/1/1625
J1102/1/1626
J1102/1/1627
J1102/1/1628
J1102/1/1629
J1102/1/1630
J1102/1/1631
J1102/1/1632
J1102/1/1633
J1102/1/1634
J1102/1/1635
J1102/1/1636
J1102/1/1637
J1102/1/1638
J1102/1/1639
J1102/1/1640
J1102/1/1641
J1102/1/1642
J1102/1/1643
J1102/1/1644
J1102/1/1645
J1102/1/1646
J1102/1/1647
J1102/1/1648
J1102/1/1649
J1102/1/1650
J1102/1/1651
J1102/1/1652
J1102/1/1653
J1102/1/1654
J1102/1/1655
J1102/1/1656
J1102/1/1657
J1102/1/1658
J1102/1/1659
J1102/1/1660
J1102/1/1661
J1102/1/1662
J1102/1/1663
J1102/1/1664
J1102/1/1665
J1102/1/1666
J1102/1/1667
J1102/1/1668
J1102/1/1669
J1102/1/1670
J1102/1/1671
J1102/1/1672
J1102/1/1673
J1102/1/1674
J1102/1/1675
J1102/1/1676
J1102/1/1677
J1102/1/1678
J1102/1/1679
J1102/1/1680
J1102/1/1681
J1102/1/1682
J1102/1/1683
J1102/1/1684
J1102/1/1685
J1102/1/1686
J1102/1/1687
J1102/1/1688
J1102/1/1689
J1102/1/1690
J1102/1/1691
J1102/1/1692
J1102/1/1693
J1102/1/1694
J1102/1/1695
J1102/1/1696
J1102/1/1697
J1102/1/1698
J1102/1/1699
J1102/1/1700
J1102/1/1701
J1102/1/1702
J1102/1/1703
J1102/1/1704
J1102/1/1705
J1102/1/1706
J1102/1/1707
J1102/1/1708
J1102/1/1709
J1102/1/1710
J1102/1/1711
J1102/1/1712
J1102/1/1713
J1102/1/1714
J1102/1/1715
J1102/1/1716
J1102/1/1717
J1102/1/1718
J1102/1/1719
J1102/1/1720
J1102/1/1721
J1102/1/1722
J1102/1/1723
J1102/1/1724
J1102/1/1725
J1102/1/1726
J1102/1/1727
J1102/1/1728
J1102/1/1729
J1102/1/1730
J1102/1/1731
J1102/1/1732
J1102/1/1733
J1102/1/1734
J1102/1/1735
J1102/1/1736
J1102/1/1737
J1102/1/1738
J1102/1/1739
J1102/1/1740
J1102/1/1741
J1102/1/1742
J1102/1/1743
J1102/1/1744
J1102/1/1745
J1102/1/1746
J1102/1/1747
J1102/1/1748
J1102/1/1749
J1102/1/1750
J1102/1/1751
J1102/1/1752
J1102/1/1753
J1102/1/1754
J1102/1/1755
J1102/1/1756
J1102/1/1757
J1102/1/1758
J1102/1/1759
J1102/1/1760
J1102/1/1761
J1102/1/1762
J1102/1/1763
J1102/1/1764
J1102/1/1765
J1102/1/1766
J1102/1/1767
J1102/1/1768
J1102/1/1769
J1102/1/1770
J1102/1/1771
J1102/1/1772
J1102/1/1773
J1102/1/1774
J1102/1/1775
J1102/1/1776
J1102/1/1777
J1102/1/1778
J1102/1/1779
J1102/1/1780
J1102/1/1781
J1102/1/1782
J1102/1/1783
J1102/1/1784
J1102/1/1785
J1102/1/1786
J1102/1/1787
J1102/1/1788
J1102/1/1789
J1102/1/1790
J1102/1/1791
J1102/1/1792
J1102/1/1793
J1102/1/1794
J1102/1/1795
J1102/1/1796
J1102/1/1797
J1102/1/1798
J1102/1/1799
J1102/1/1800
J1102/1/1801
J1102/1/1802
J1102/1/1803
J1102/1/1804
J1102/1/1805
J1102/1/1806
J1102/1/1807
J1102/1/1808
J1102/1/1809
J1102/1/1810
J1102/1/1811
J1102/1/1812
J1102/1/1813
J1102/1/1814
J1102/1/1815
J1102/1/1816
J1102/1/1817
J1102/1/1818
J1102/1/1819
J1102/1/1820
J1102/1/1821
J1102/1/1822
J1102/1/1823
J1102/1/1824
J1102/1/1825
J1102/1/1826
J1102/1/1827
J1102/1/1828
J1102/1/1829
J1102/1/1830
J1102/1/1831
J1

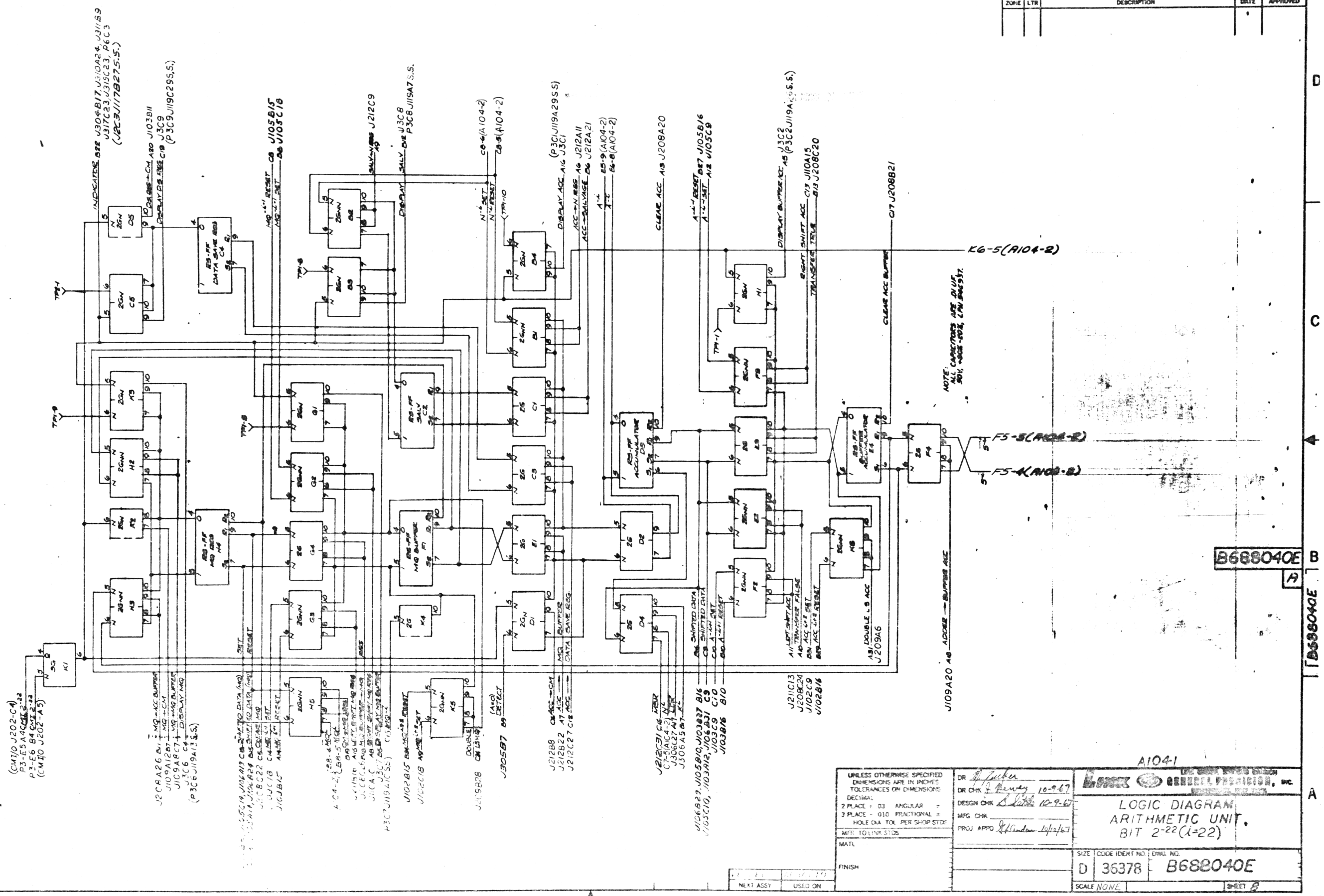
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



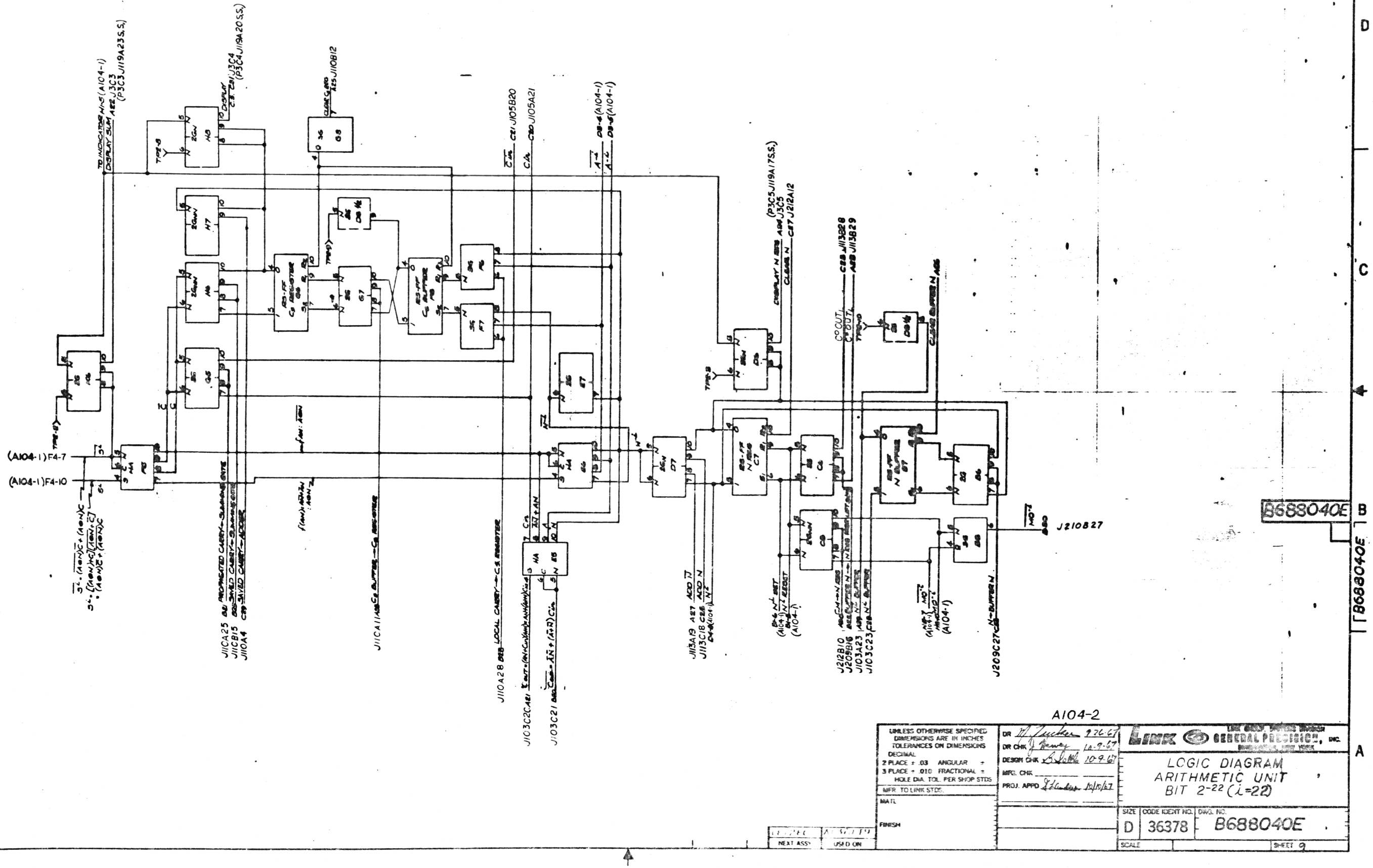
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR L Humphreys 9-26-67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
APPR. TO LINK STDS.	DR CHK J Harvey 10-9-67	LOGIC DIAGRAM ARITHMETIC UNIT (i=21) BIT 2-21
MATL.	DESIGN CHK [illegible] 10-9-67	
FINISH	MFG. CHK	
	PROJ. APPD [illegible] 10/10/67	
LET290 NEXT ASSY | NF37A-731 USED ON		SIZE D | CODE IDENT NO. 36378 | DWG. NO. B688040E
		SCALE | SHEET 7

FORM NO. F 1474-49

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



A104-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS	DR M. Fischer 9-26-67
MFR TO LINK STDS.	DR CHK J. Kenney 10-9-67
MATL	DESIGN CHK B. Settle 10-9-67
FINISH	MFG. CHK
	PROJ. APPD J. Hudson 10/10/67

LINK GROUP, GENERAL PRECISION, INC.

LOGIC DIAGRAM
ARITHMETIC UNIT
BIT 2^{-22} (i=22)

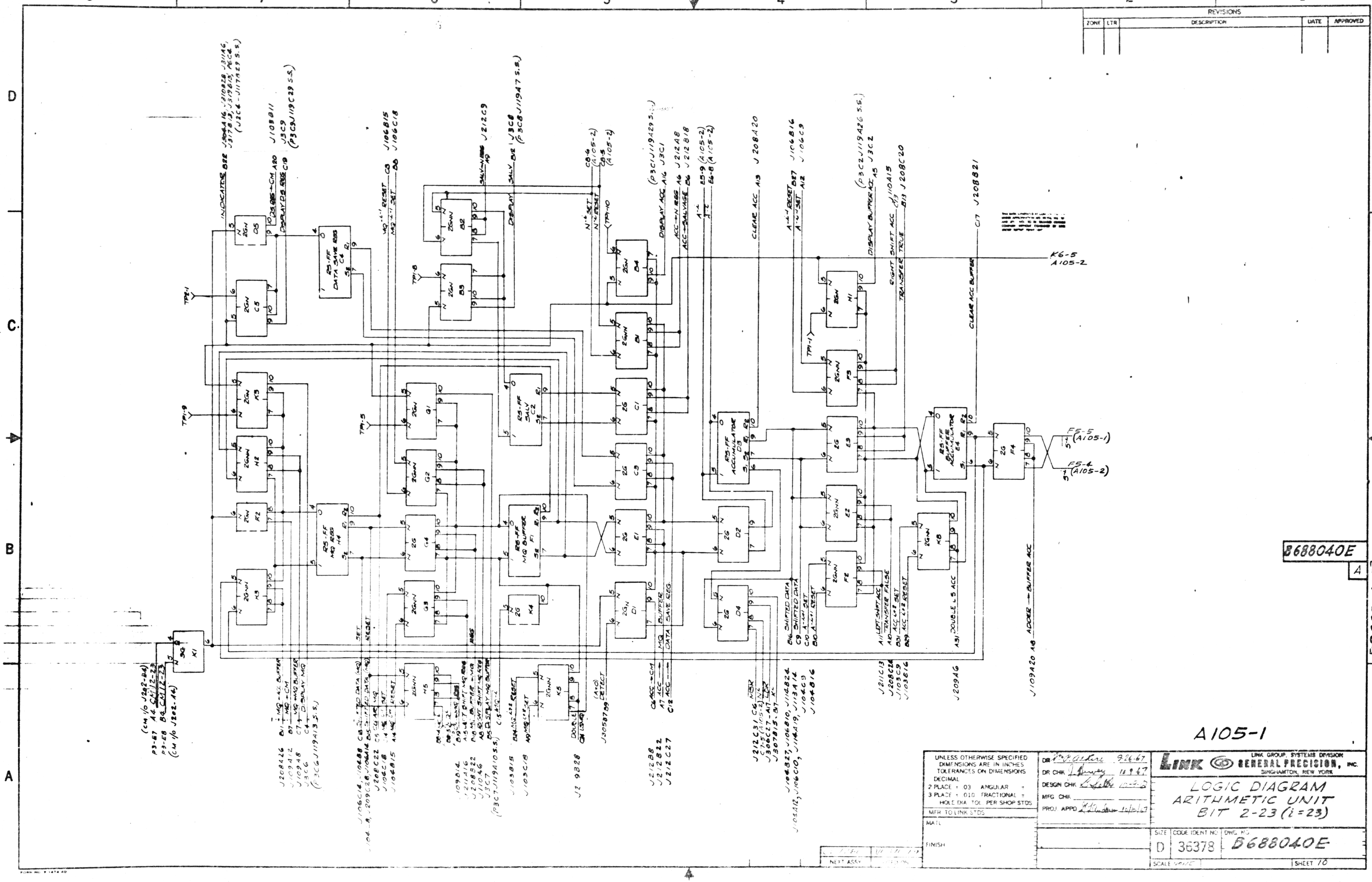
SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE | SHEET 9

NEXT ASSY	USED ON

B688040E

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS	DR		
MFR. TO LINK STDS	DR CHK		
MAT'L	DESIGN CHK		
FINISH	MFG. CHK		
NEXT ASSY	PROJ. APPD		

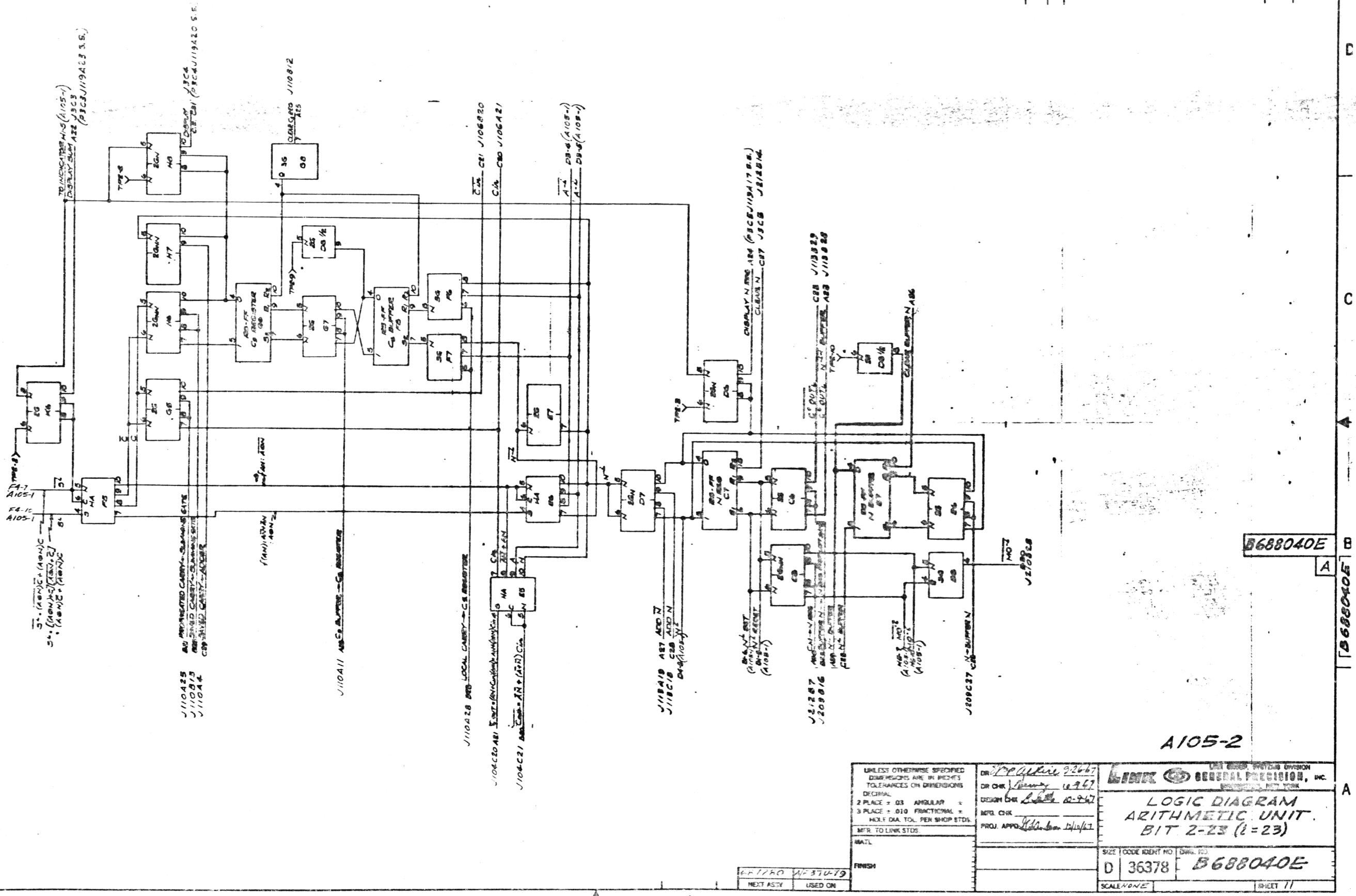
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM ARITHMETIC UNIT BIT 2-23 (i=23)

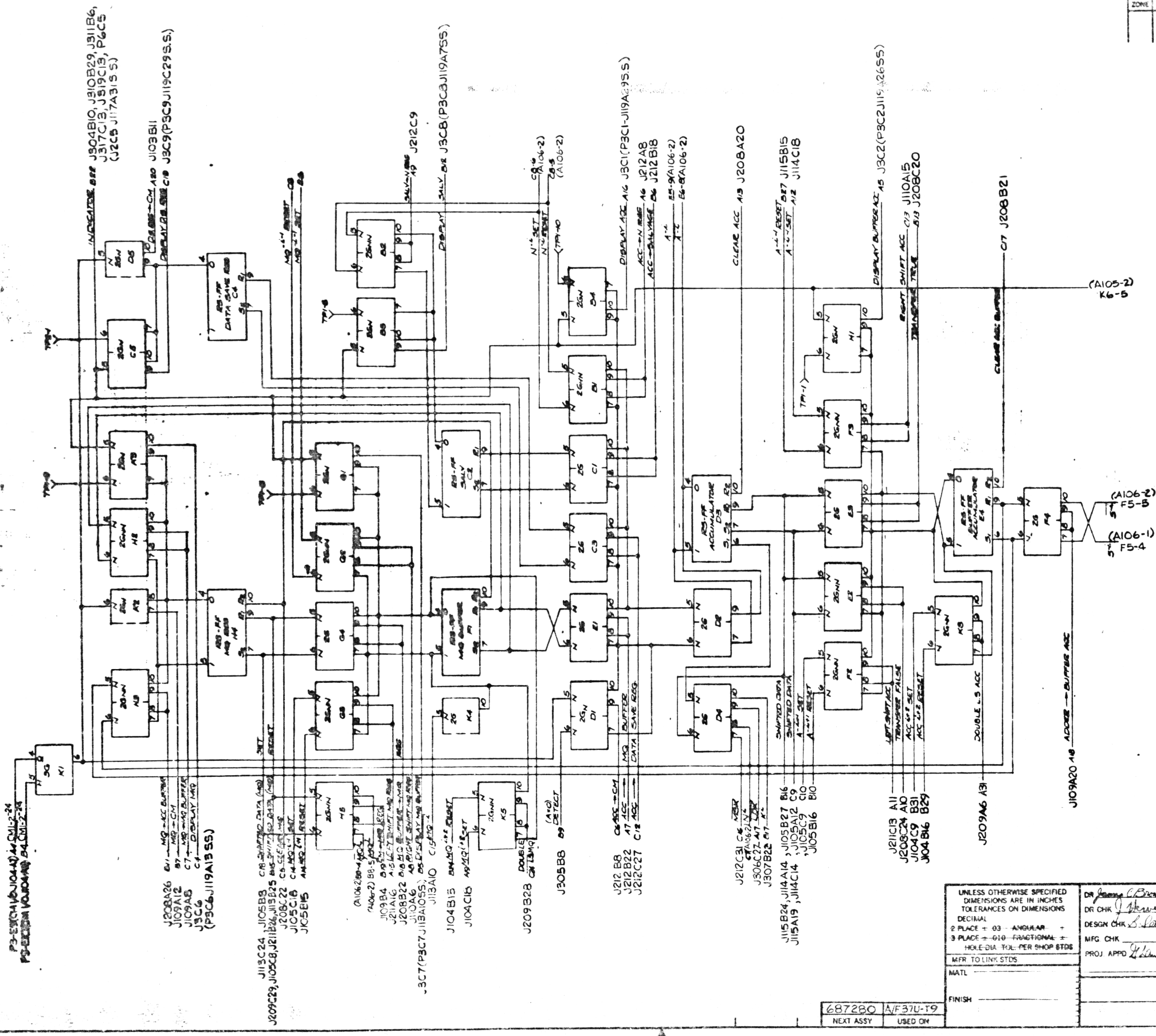
SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B6880 40E

SCALE NONE | SHEET 76

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED


TO A105-1
TO A105-1
TO A105-1

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



687280 NEXT ASSY	A/F37U-T9 USED ON

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA TOL PER SHOP STDS
MFR TO LINK STDS
MATL
FINISH

DR	Jeanne C. Brown 9-26-67
DR CHK	J. Harvey 10-9-67
DESIGN CHK	L. Cotter 10-9-67
MFG CHK	
PROJ APPD	H. Linehan 10/9/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM- ARITHMETIC UNIT BIT 2^{-24} (i=24)

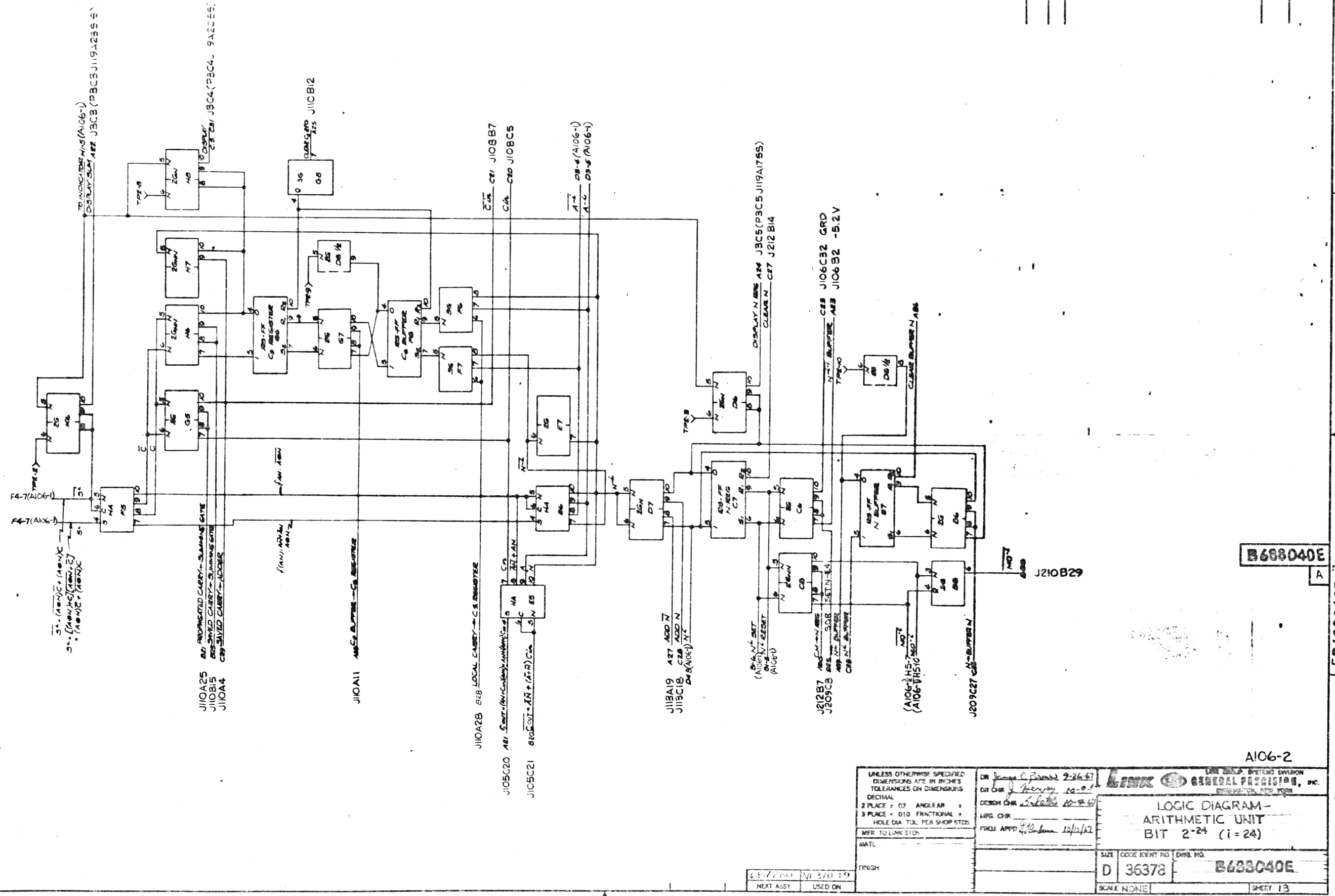
SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE NONE SHEET 12

B688040E A

A106-1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



A106-2

B688040E

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS	DR	DR CHK	DESIGN CHK	MFG. CHK	PROJ. APPD
MFR. TO LINK STDS.					
MATL					
FINISH					

687750	NI370 19
NEXT ASSY	USED ON

LINK GROUP SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM— ARITHMETIC UNIT BIT 2^{-24} ($i = 24$)

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE SHEET 13

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

TP2-5

INDICATOR A27 J216522, J10B16 J10A20, J23A15, P6B1 (J2B1, J116B27 S 5)

F1-9 (A107-2) DISPLAY

J3D6 A25 (P3D6, J11987 55)

(ACC→TTY) READY 4 D6-6 (A107-2)

(ACC→TTY) READY 4 C7-6 (A107-2)

TP2-10

J303A29 A19 CH. OUT

J303A22 B21 CH. OUT

J303B15 A21 CH. OUT

F2-9 (A107-2)

C2-4 (A107-2)

D8-5 (A107-2)

C7-7 (A107-2)

C2-10 (A107-2)

SEND-RECEIVE SWITCH

J1C1 A30 (P5D1-J32A D1L)

-5.2V

150 452046

120 452027

.1UF 100V ±10% 442395

J303A10 A31 Ø2a

TP2-1

TP2-3

TP2-7

TP2-9

TEMP COIL PULSE A28 J10S (P5D5-22C64-2 ?)

SPARE B24

TEST H4-7 (A107-2)

J303A24 B9 Ø4a

J301D26 A18 D/L ON

D8-6 (A107-2)

J114-J119A20 J112C117

J214-J219A20 B10

J201-J206A20 J301E10

J101-J106A20 B11

D5E-ECM A20E (MMB77) B30 J306C6 J308B20

3G B1 D/L ON B48 J111A5

J303B24 B22 J3410 B29 (P3410 35) (J205C18)

J3A9 A29 (P3A9-J205B18) 55

B6888040E

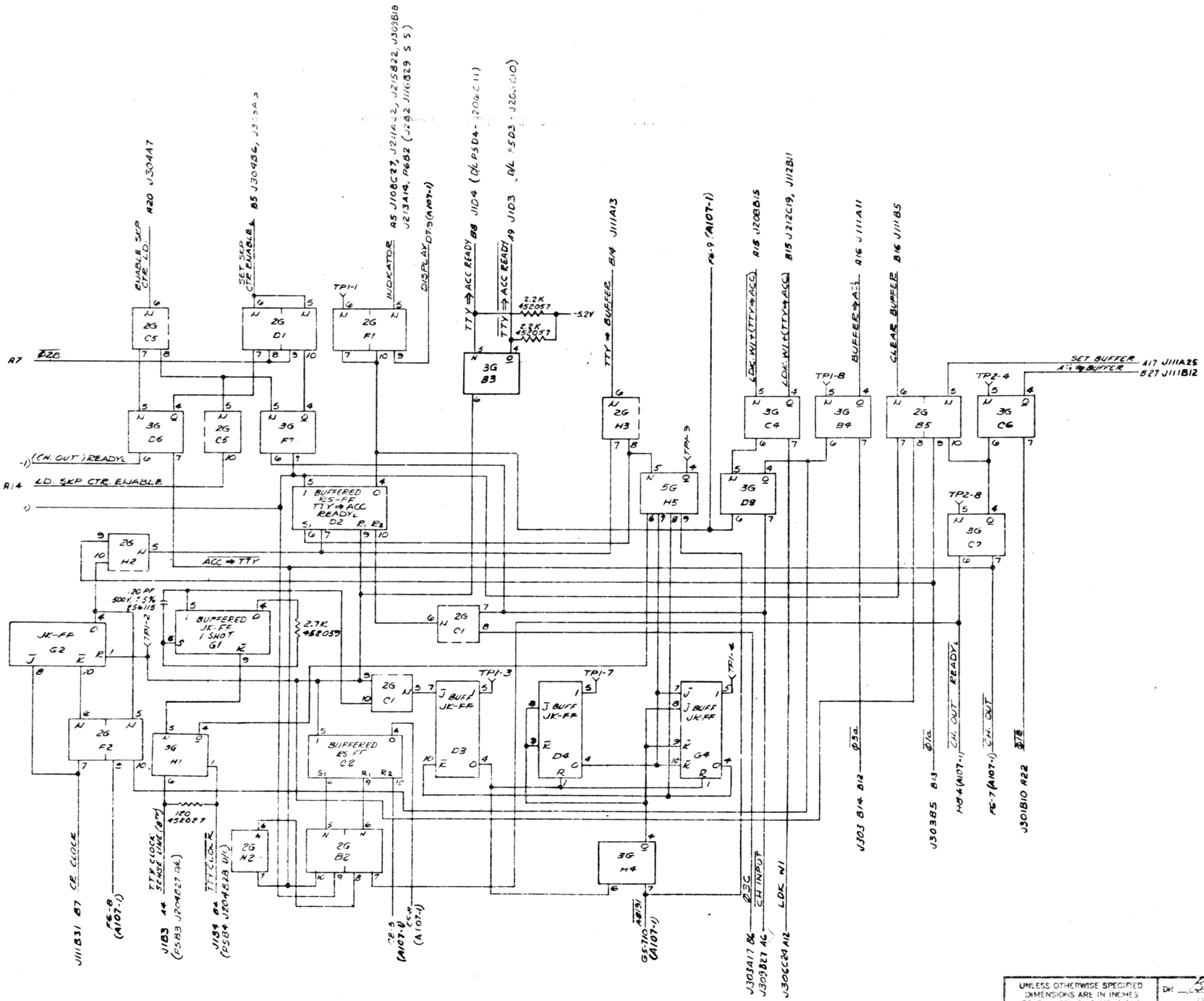
[B6888040E]

A107-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR Sharp 9-23-67 DR CHK [illegible] DESIGN CHK [illegible] MFG. CHK [illegible] PROJ. APPD [illegible]	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MFR. TO LINK STDS. MATL FINISH		LOGIC DIAGRAM - TTY ⇒ GP LOGIC
887550 NEXT ASSY | A/E 370-T9 USED ON		SIZE D | CODE IDENT NO. 36378 | DWG. NO. B6888040E | SCALE — | SHEET 14

FORM NO 7-1474-48

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS	DR	9-23-67
MFR TO LINK STDS	DR CHK	11-9-67
MATL	DESIGN CHK	
FINISH	MFG CHK	
	PROJ APPD	

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM
TTY ⇒ GP LOGIC

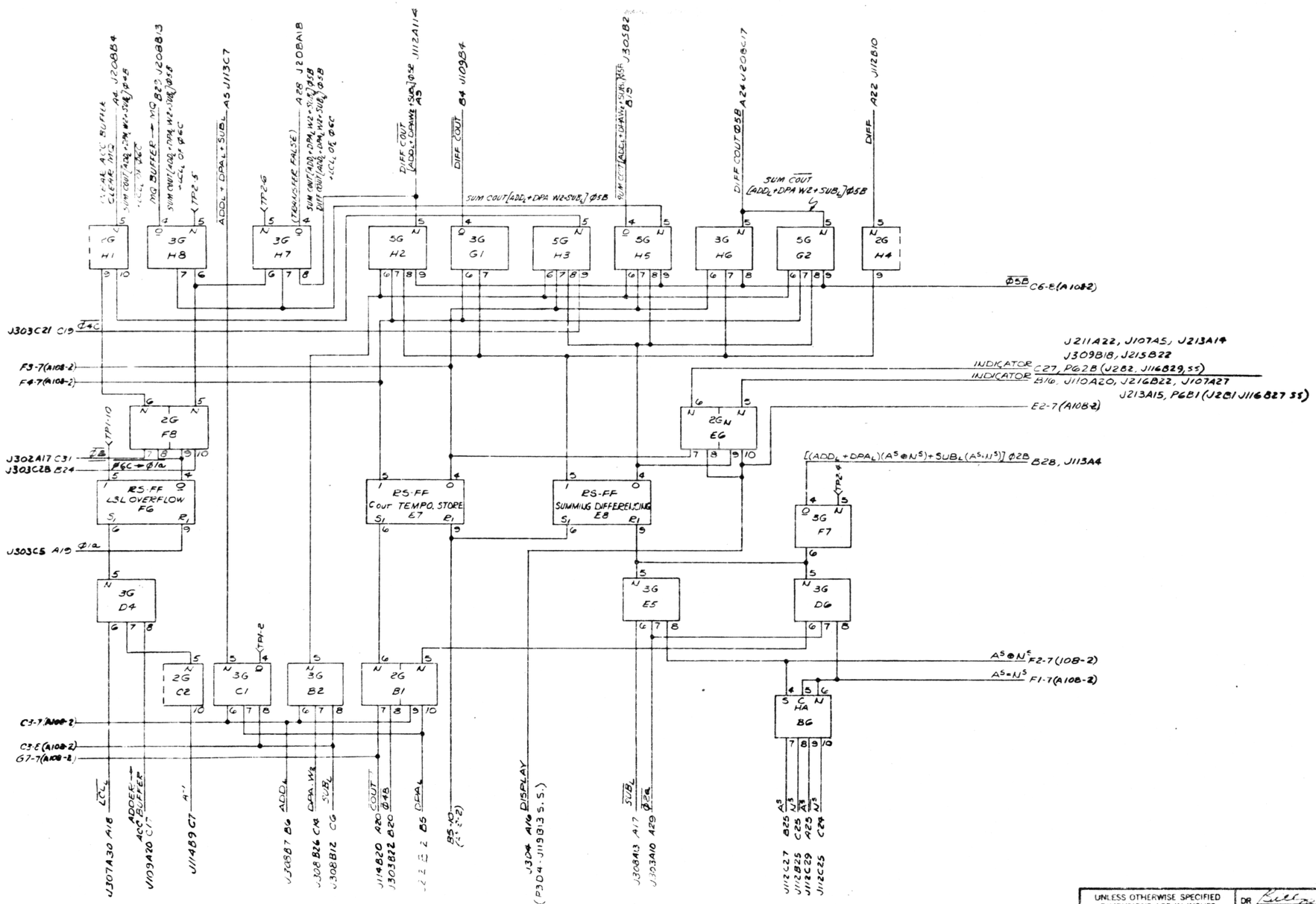
SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE | SHEET 1.5

6R7150	A1F370-T9
NEXT ASSY	USED ON

FORM NO. F 1474-60

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B6880 40E

[B6880 40E]

A108-1

GP7294	A/F370-T9		
NEXT ASSY	USED ON		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA TOL PER SHOP STDS
MFR TO LINK STDS
MATL
FINISH

DR 9-23-64
DR CHK
DESIGN CHK
MFG CHK
PROJ APPD

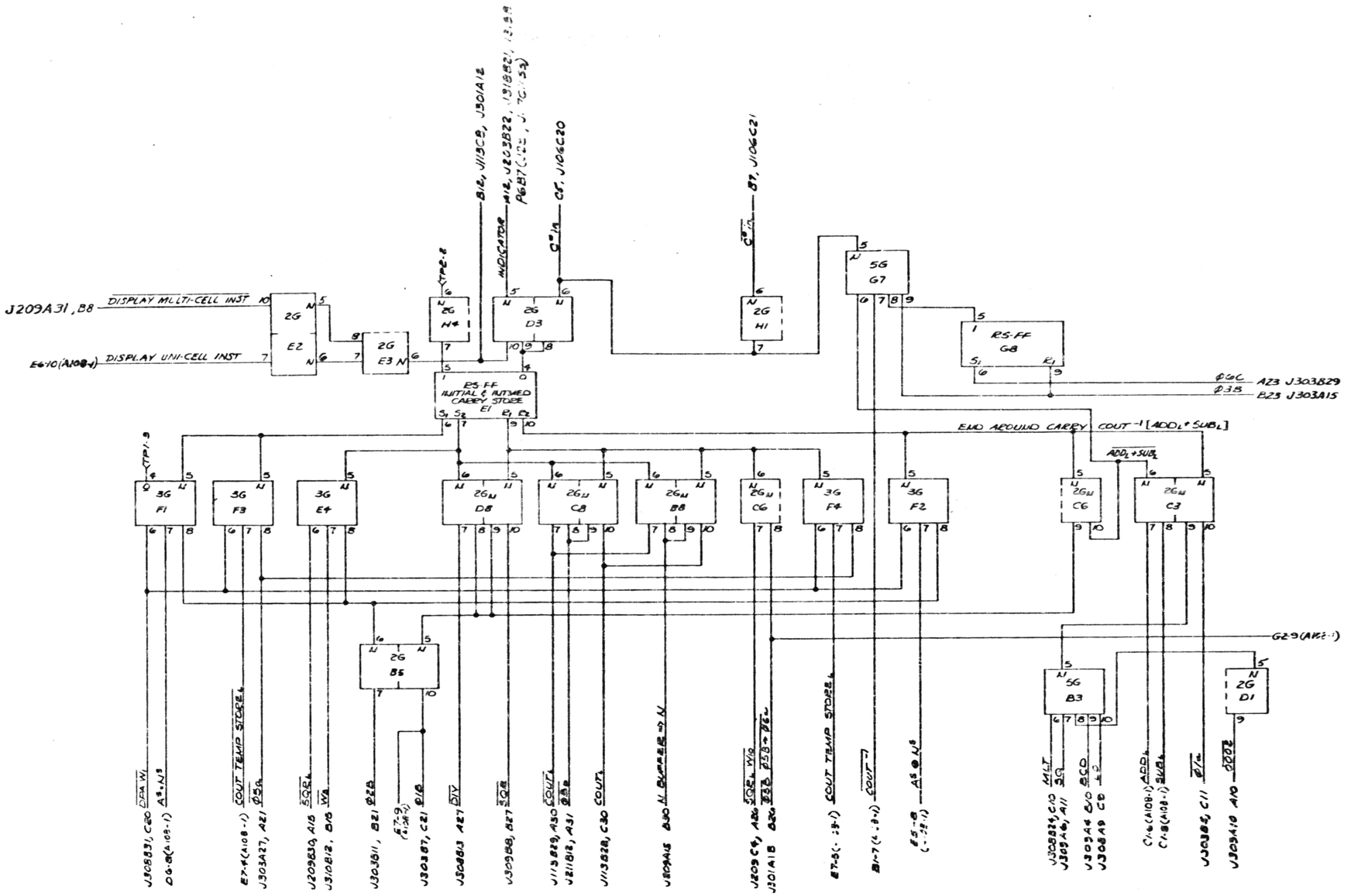
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM SUMMING, DIFFERENCING CARRY, CONTROL

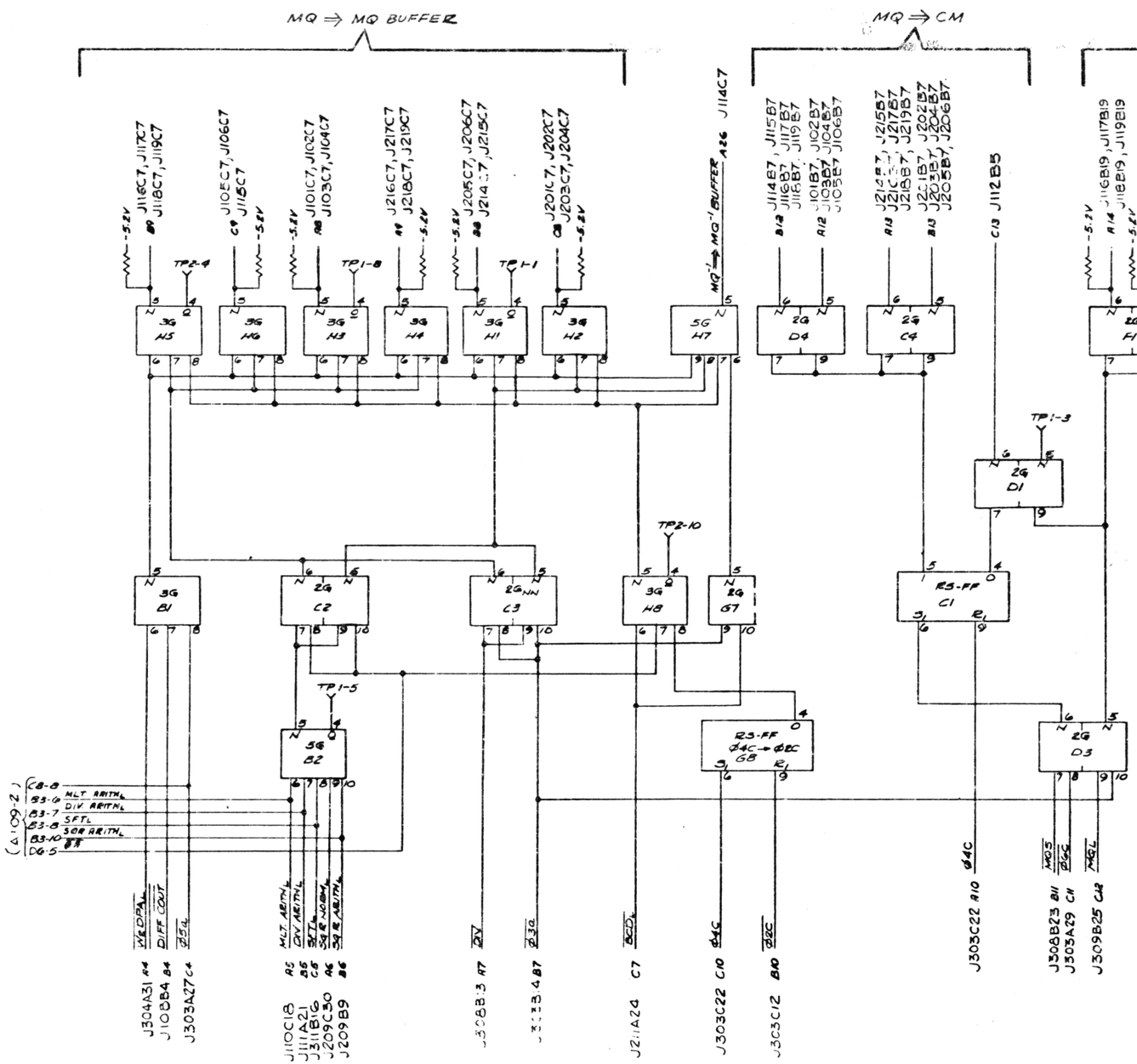
SIZE	CODE IDENT NO	DWG NO
D	36378	B6880 40E

SCALE — SHEET 16

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED


J209A31, B8
DISPLAY MULTI-CELL INST
E6-10(A108-1)
DISPLAY UNI-CELL INST
2G E2
2G E3 N
2G H4
2G D3
2G H1
5G G7
RS-FF G8
ES F-F INITIAL & RUTSMED CARRY STORE E1
TYP 2
TYP 3
B16, J113C8, J30A12
B12, J203822, J31B82, J31B84, J31B86, J31B88, J31B810, J31B812, J31B814, J31B816, J31B818, J31B820, J31B822, J31B824, J31B826, J31B828, J31B830, J31B832, J31B834, J31B836, J31B838, J31B840, J31B842, J31B844, J31B846, J31B848, J31B850, J31B852, J31B854, J31B856, J31B858, J31B860, J31B862, J31B864, J31B866, J31B868, J31B870, J31B872, J31B874, J31B876, J31B878, J31B880, J31B882, J31B884, J31B886, J31B888, J31B890, J31B892, J31B894, J31B896, J31B898, J31B8100, J31B8102, J31B8104, J31B8106, J31B8108, J31B8110, J31B8112, J31B8114, J31B8116, J31B8118, J31B8120, J31B8122, J31B8124, J31B8126, J31B8128, J31B8130, J31B8132, J31B8134, J31B8136, J31B8138, J31B8140, J31B8142, J31B8144, J31B8146, J31B8148, J31B8150, J31B8152, J31B8154, J31B8156, J31B8158, J31B8160, J31B8162, J31B8164, J31B8166, J31B8168, J31B8170, J31B8172, J31B8174, J31B8176, J31B8178, J31B8180, J31B8182, J31B8184, J31B8186, J31B8188, J31B8190, J31B8192, J31B8194, J31B8196, J31B8198, J31B8200, J31B8202, J31B8204, J31B8206, J31B8208, J31B8210, J31B8212, J31B8214, J31B8216, J31B8218, J31B8220, J31B8222, J31B8224, J31B8226, J31B8228, J31B8230, J31B8232, J31B8234, J31B8236, J31B8238, J31B8240, J31B8242, J31B8244, J31B8246, J31B8248, J31B8250, J31B8252, J31B8254, J31B8256, J31B8258, J31B8260, J31B8262, J31B8264, J31B8266, J31B8268, J31B8270, J31B8272, J31B8274, J31B8276, J31B8278, J31B8280, J31B8282, J31B8284, J31B8286, J31B8288, J31B8290, J31B8292, J31B8294, J31B8296, J31B8298, J31B8300, J31B8302, J31B8304, J31B8306, J31B8308, J31B8310, J31B8312, J31B8314, J31B8316, J31B8318, J31B8320, J31B8322, J31B8324, J31B8326, J31B8328, J31B8330, J31B8332, J31B8334, J31B8336, J31B8338, J31B8340, J31B8342, J31B8344, J31B8346, J31B8348, J31B8350, J31B8352, J31B8354, J31B8356, J31B8358, J31B8360, J31B8362, J31B8364, J31B8366, J31B8368, J31B8370, J31B8372, J31B8374, J31B8376, J31B8378, J31B8380, J31B8382, J31B8384, J31B8386, J31B8388, J31B8390, J31B8392, J31B8394, J31B8396, J31B8398, J31B8400, J31B8402, J31B8404, J31B8406, J31B8408, J31B8410, J31B8412, J31B8414, J31B8416, J31B8418, J31B8420, J31B8422, J31B8424, J31B8426, J31B8428, J31B8430, J31B8432, J31B8434, J31B8436, J31B8438, J31B8440, J31B8442, J31B8444, J31B8446, J31B8448, J31B8450, J31B8452, J31B8454, J31B8456, J31B8458, J31B8460, J31B8462, J31B8464, J31B8466, J31B8468, J31B8470, J31B8472, J31B8474, J31B8476, J31B8478, J31B8480, J31B8482, J31B8484, J31B8486, J31B8488, J31B8490, J31B8492, J31B8494, J31B8496, J31B8498, J31B8500, J31B8502, J31B8504, J31B8506, J31B8508, J31B8510, J31B8512, J31B8514, J31B8516, J31B8518, J31B8520, J31B8522, J31B8524, J31B8526, J31B8528, J31B8530, J31B8532, J31B8534, J31B8536, J31B8538, J31B8540, J31B8542, J31B8544, J31B8546, J31B8548, J31B8550, J31B8552, J31B8554, J31B8556, J31B8558, J31B8560, J31B8562, J31B8564, J31B8566, J31B8568, J31B8570, J31B8572, J31B8574, J31B8576, J31B8578, J31B8580, J31B8582, J31B8584, J31B8586, J31B8588, J31B8590, J31B8592, J31B8594, J31B8596, J31B8598, J31B8600, J31B8602, J31B8604, J31B8606, J31B8608, J31B8610, J31B8612, J31B8614, J31B8616, J31B8618, J31B8620, J31B8622, J31B8624, J31B8626, J31B8628, J31B8630, J31B8632, J31B8634, J31B8636, J31B8638, J31B8640, J31B8642, J31B8644, J31B8646, J31B8648, J31B8650, J31B8652, J31B8654, J31B8656, J31B8658, J31B8660, J31B8662, J31B8664, J31B8666, J31B8668, J31B8670, J31B8672, J31B8674, J31B8676, J31B8678, J31B8680, J31B8682, J31B8684, J31B8686, J31B8688, J31B8690, J31B8692, J31B8694, J31B8696, J31B8698, J31B8700, J31B8702, J31B8704, J31B8706, J31B8708, J31B8710, J31B8712, J31B8714, J31B8716, J31B8718, J31B8720, J31B8722, J31B8724, J31B8726, J31B8728, J31B8730, J31B8732, J31B8734, J31B8736, J31B8738, J31B8740, J31B8742, J31B8744, J31B8746, J31B8748, J31B8750, J31B8752, J31B8754, J31B8756, J31B8758, J31B8760, J31B8762, J31B8764, J31B8766, J31B8768, J31B8770, J31B8772, J31B8774, J31B8776, J31B8778, J31B8780, J31B8782, J31B8784, J31B8786, J31B8788, J31B8790, J31B8792, J31B8794, J31B8796, J31B8798, J31B8800, J31B8802, J31B8804, J31B8806, J31B8808, J31B8810, J31B8812, J31B8814, J31B8816, J31B8818, J31B8820, J31B8822, J31B8824, J31B8826, J31B8828, J31B8830, J31B8832, J31B8834, J31B8836, J31B8838, J31B8840, J31B8842, J31B8844, J31B8846, J31B8848, J31B8850, J31B8852, J31B8854, J31B8856, J31B8858, J31B8860, J31B8862, J31B8864, J31B8866, J31B8868, J31B8870, J31B8872, J31B8874, J31B8876, J31B8878, J31B8880, J31B8882, J31B8884, J31B8886, J31B8888, J31B8890, J31B8892, J31B8894, J31B8896, J31B8898, J31B8900, J31B8902, J31B8904, J31B8906, J31B8908, J31B8910, J31B8912, J31B8914, J31B8916, J31B8918, J31B8920, J31B8922, J31B8924, J31B8926, J31B8928, J31B8930, J31B8932, J31B8934, J31B8936, J31B8938, J31B8940, J31B8942, J31B8944, J31B8946, J31B8948, J31B8950, J31B8952, J31B8954, J31B8956, J31B8958, J31B8960, J31B8962, J31B8964, J31B8966, J31B8968, J31B8970, J31B8972, J31B8974, J31B8976, J31B8978, J31B8980, J31B8982, J31B8984, J31B8986, J31B8988, J31B8990, J31B8992, J31B8994, J31B8996, J31B8998, J31B81000, J31B81002, J31B81004, J31B81006, J31B81008, J31B81010, J31B81012, J31B81014, J31B81016, J31B81018, J31B81020, J31B81022, J31B81024, J31B81026, J31B81028, J31B81030, J31B81032, J31B81034, J31B81036, J31B81038, J31B81040, J31B81042, J31B81044, J31B81046, J31B81048, J31B81050, J31B81052, J31B81054, J31B81056, J31B81058, J31B81060, J31B81062, J31B81064, J31B81066, J31B81068, J31B81070, J31B81072, J31B81074, J31B81076, J31B81078, J31B81080, J31B81082, J31B81084, J31B81086, J31B81088, J31B81090, J31B81092, J31B81094, J31B81096, J31B81098, J31B81100, J31B81102, J31B81104, J31B81106, J31B81108, J31B81110, J31B81112, J31B81114, J31B81116, J31B81118, J31B81120, J31B81122, J31B81124, J31B81126, J31B81128, J31B81130, J31B81132, J31B81134, J31B81136, J31B81138, J31B81140, J31B81142, J31B81144, J31B81146, J31B81148, J31B81150, J31B81152, J31B81154, J31B81156, J31B81158, J31B81160, J31B81162, J31B81164, J31B81166, J31B81168, J31B81170, J31B81172, J31B81174, J31B81176, J31B81178, J31B81180, J31B81182, J31B81184, J31B81186, J31B81188, J31B81190, J31B81192, J31B81194, J31B81196, J31B81198, J31B81200, J31B81202, J31B81204, J31B81206, J31B81208, J31B81210, J31B81212, J31B81214, J31B81216, J31B81218, J31B81220, J31B81222, J31B81224, J31B81226, J31B81228, J31B81230, J31B81232, J31B81234, J31B81236, J31B81238, J31B81240, J31B81242, J31B81244, J31B81246, J31B81248, J31B81250, J31B81252, J31B81254, J31B81256, J31B81258, J31B81260, J31B81262, J31B81264, J31B81266, J31B81268, J31B81270, J31B81272, J31B81274, J31B81276, J31B81278, J31B81280, J31B81282, J31B81284, J31B81286, J31B81288, J31B81290, J31B81292, J31B81294, J31B81296, J31B81298, J31B81300, J31B81302, J31B81304, J31B81306, J31B81308, J31B81310, J31B81312, J31B81314, J31B81316, J31B81318, J31B81320, J31B81322, J31B81324, J31B81326, J31B81328, J31B81330, J31B81332, J31B81334, J31B81336, J31B81338, J31B81340, J31B81342, J31B81344, J31B81346, J31B81348, J31B81350, J31B81352, J31B81354, J31B81356, J31B81358, J31B81360, J31B81362, J31B81364, J31B81366, J31B81368, J31B81370, J31B81372, J31B81374, J31B81376, J31B81378, J31B81380, J31B81382, J31B81384, J31B81386, J31B81388, J31B81390, J31B81392, J31B81394, J31B81396, J31B81398, J31B81400, J31B81402, J31B81404, J31B81406, J31B81408, J31B81410, J31B81412, J31B81414, J31B81416, J31B81418, J31B81420, J31B81422, J31B81424, J31B81426, J31B81428, J31B81430, J31B81432, J31B81434, J31B81436, J31B81438, J31B81440, J31B81442, J31B81444, J31B81446, J31B81448, J31B81450, J31B81452, J31B81454, J31B81456, J31B81458, J31B81460, J31B81462, J31B81464, J31B81466, J31B81468, J31B81470, J31B81472, J31B81474, J31B81476, J31B81478, J31B81480, J31B81482, J31B81484, J31B81486, J31B81488, J31B81490, J31B81492, J31B81494, J31B81496, J31B81498, J31B81500, J31B81502, J31B81504, J31B81506, J31B81508, J31B81510, J31B81512, J31B81514, J31B81516, J31B81518, J31B81520, J31B81522, J31B81524, J31B81526, J31B81528, J31B81530, J31B81532, J31B81534, J31B81536, J31B81538, J31B81540, J31B81542, J31B81544, J31B81546, J31B81548, J31B81550, J31B81552, J31B81554, J31B81556, J31B81558, J31B81560, J31B81562, J31B81564, J31B81566, J31B81568, J31B81570, J31B81572, J31B81574, J31B81576, J31B81578, J31B81580, J31B81582, J31B81584, J31B81586, J31B81588, J31B81590, J31B81592, J31B81594, J31B81596, J31B81598, J31B81600, J31B81602, J31B81604, J31B81606, J31B81608, J31B81610, J31B81612, J31B81614, J31B81616, J31B81618, J31B81620, J31B81622, J31B81624, J31B81626, J31B81628, J31B81630, J31B81632, J31B81634, J31B81636, J31B81638, J31B81640, J31B81642, J31B81644, J31B81646, J31B81648, J31B81650, J31B81652, J31B81654, J31B81656, J31B81658, J31B81660, J31B81662, J31B81664, J31B81666, J31B81668, J31B81670, J31B81672, J31B81674, J31B81676, J31B81678, J31B81680, J31B81682, J31B81684, J31B81686, J31B81688, J31B81690, J31B81692, J31B81694, J31B81696, J31B81698, J31B81700, J31B81702, J31B81704, J31B81706, J31B81708, J31B81710, J31B81712, J31B81714, J31B81716, J31B81718, J31B81720, J31B81722, J31B81724, J31B81726, J31B81728, J31B81730, J31B81732, J31B81734, J31B81736, J31B81738, J31B81740, J31B81742, J31B81744, J31B81746, J31B81748, J31B81750, J31B81752, J31B81754, J31B81756, J31B81758, J31B81760, J31B81762, J31B81764, J31B81766, J31B81768, J31B81770, J31B81772, J31B81774, J31B81776, J31B81778, J31B81780, J31B81782, J31B81784, J31B81786, J31B81788, J31B81790, J31B81792, J31B81794, J31B81796, J31B81798, J31B81800, J31B81802, J31B81804, J31B81806, J31B81808, J31B81810, J31B81812, J31B81814, J31B81816, J31B81818, J31B81820, J31B81822, J31B81824, J31B81826, J31B81828, J31B81830, J31B81832, J31B81834, J31B81836, J31B81838, J31B81840, J31B81842, J31B81844, J31B81846, J31B81848, J31B81850, J31B81852, J31B81854, J31B81856, J31B81858, J31B81860, J31B81862, J31B81864, J31B81866, J31B81868, J31B81870, J31B81872, J31B81874, J31B81876, J31B81878, J31B81880, J31B81882, J31B81884, J31B81886, J31B81888, J31B81890, J31B81892, J31B81894, J31B81896, J31B81898, J31B81900, J31B81902, J31B81904, J31B81906, J31B81908, J31B81910, J31B81912, J31B81914, J31B81916, J31B81918, J31B81920, J31B81922, J31B81924, J31B81926, J31B81928, J31B81930, J31B81932, J31B81934, J31B81936, J31B81938, J31B81940, J31B81942, J31B81944, J31B81946, J31B81948, J31B81950, J31B81952, J31B81954, J31B81956, J31B81958, J31B81960, J31B81962, J31B81964, J31B81966, J31B81968, J31B81970, J31B81972, J31B81974, J31B81976, J31B81978, J31B81980, J31B81982, J31B81984, J31B81986, J31B81988, J31B81990, J31B81992, J31B81994, J31B81996, J31B81998, J31B82000, J31B82002, J31B82004, J31B82006, J31B82008, J31B82010, J31B82012, J31B82014, J31B82016, J31B82018, J31B82020, J31B82022, J31B82024, J31B82026, J31B82028, J31B82030, J31B82032, J31B82034, J31B82036, J31B82038, J31B82040, J31B82042, J31B82044, J31B82046, J31B82048, J31B82050, J31B82052, J31B82054, J31B82056, J31B82058, J31B82060, J31B82062, J31B82064, J31B82066, J31B82068, J31B82070, J31B82072, J31B82074, J31B82076, J31B82078, J31B82080, J31B82082, J31B82084, J31B82086, J31B82088, J31B82090, J31B82092, J31B82094, J31B82096, J31B82098, J31B82100, J31B82102, J31B82104, J31B82106, J31B82108, J31B82110, J31B82112, J31B82114, J31B82116, J31B82118, J31B82120, J31B82122, J31B82124, J31B82126, J31B82128, J31B82130, J31B82132, J31B82134, J31B82136, J31B82138, J31B82140, J31B82142, J31B82144, J31B82146, J31B82148, J31B82150, J31B82152, J31B82154, J31B82156, J31B82158, J31B82160, J31B82162, J31B82164, J31B82166, J31B82168, J31B82170, J31B82172, J31B82174, J31B82176, J31B82178, J31B82180, J31B82182, J31B82184, J31B82186, J31B82188, J31B82190, J31B82192, J31B82194, J31B82196, J31B82198, J31B82200, J31B82202, J31B82204, J31B82206, J31B82208, J31B82210, J31B82212, J31B82214, J31B82216, J31B82218, J31B82220, J31B82222, J31B82224, J31B82226, J31B82228, J31B82230, J31B82232, J31B82234, J31B82236, J31B82238, J31B82240, J31B82242, J31B82244, J31B82246, J31B82248, J31B82250, J31B82252, J31B82254, J31B82256, J31B82258, J31B82260, J31B82262, J31B82264, J31B82266, J31B82268, J31B82270, J31B82272, J31B82274, J31B82276, J31B82278, J31B82280, J31B82282, J31B82284, J31B82286, J31B82288, J31B82290, J31B82292, J31B82294, J31B82296, J31B82298, J31B82300, J31B82302, J31B82304, J31B82306, J31B82308, J31B82310, J31B82312, J31B82314, J31B82316, J31B82318, J31B82320, J31B82322, J31B82324, J31B82326, J31B82328, J31B82330, J31B82332, J31B82334, J31B82336, J31B82338, J31B82340, J31B82342, J31B82344, J31B82346, J31B82348, J31B82350, J31B82352, J31B82354, J31B82356, J31B82358, J31B82360, J31B82362, J31B82364, J31B82366, J31B82368, J31B82370, J31B82372, J31B82374, J31B82376, J31B82378, J31B82380, J31B82382, J31B82384, J31B82386, J31B82388, J31B82390, J31B82392, J31B82394, J31B82396, J31B82398, J31B82400, J31B82402, J31B82404, J31B82406, J31B82408, J31B82410, J31B82412, J31B82414, J31B82416, J31B82418, J31B82420, J31B82422, J31B82424, J31B82426, J31B82428, J31B82430, J31B82432, J31B82434, J31B82436, J31B82438, J31B82440, J31B82442, J31B82444, J31B82446, J31B82448, J31B82450, J31B82452, J31B82454, J31B82456, J31B82458, J31B82460, J31B82462, J31B82464, J31B82466, J31B82468, J31B82470, J31B82472, J31B82474, J31B82476, J31B82478, J31B82480, J31B82482, J31B82484, J31B82486, J31B82488, J31B82490, J31B82492, J31B82494, J31B82496, J31B82498, J31B82500, J31B82502, J31B82504, J31B82506, J31B82508, J31B82510, J31B82512, J31B82514, J31B82516, J31B82518, J31B82520, J31B82522, J31B82524, J31B82526, J31B82528, J31B82530, J31B82532, J31B82534, J31B82536, J31B82538, J31B82540, J31B82542, J31B82544, J31B82546, J31B82548, J31B82550, J31B82552, J31B82554, J31B82556, J31B82558, J31B82560, J31B82562, J31B82564, J31B82566, J31B82568, J31B82570, J31B82572, J31B82574, J31B82576, J31B82578, J31B82580, J31B82582, J31B82584, J31B82586, J31B82588, J31B82590, J31B82592, J31B82594, J31B82596, J31B82598, J31B82600, J31B82602, J31B82604, J31B82606, J31B82608, J31B82610, J31B82612, J31B82614, J31B82616, J31B82618, J31B82620, J31B82622, J31B82624, J31B82626, J31B82628, J31B82630, J31B82632, J31B82634, J31B82636, J31B82638, J31B82640, J31B82642, J31B82644, J31B82646, J31B82648, J31B82650, J31B82652, J31B82654, J31B82656, J31B82658, J31B82660, J31B82662, J31B82664, J31B82666, J31B82668, J31B82670, J31B82672, J31B82674, J31B82676, J31B82678, J31B82680, J31B82682, J31B82684, J31B82686, J31B82688, J31B82690, J31B82692, J31B82694, J31B82696, J31B82698, J31B82700, J31B82702, J31B82704, J31B82706, J31B82708, J31B82710, J31B82712, J31B82714, J31B82716, J31B82718, J31B82720, J31B82722, J31B82724, J31B82726, J31B82728, J31B82730, J31B82732, J31B82734, J31B82736, J31B82738, J31B82740, J31B82742, J31B82744, J31B82746, J31B82748, J31B82750, J31B82752, J31B82754, J31B82756, J31B82758, J31B82760, J31B82762, J31B82764, J31B82766, J31B82768, J31B82770, J31B82772, J31B82774, J31B82776, J31B82778, J31B82780, J31B82782, J31B82784, J31B82786, J31B82788, J31B82790, J31B82792, J31B82794, J31B82796, J31B82798, J31B82800, J31B82802, J31B82804, J31B82806, J31B82808, J31B82810, J31B82812, J31B82814, J31B82816, J31B82818, J31B82820, J31B82822, J31B82824, J31B82826, J31B82828, J31B82830, J31B82832, J31B82834, J31B82836, J31B82838, J31B82840, J31B82842, J31B82844, J31B82846, J31B82848, J31B82850, J31B82852, J31B82854, J31B82856, J31B82858, J31B82860, J31B82862, J31B82864, J31B82866, J31B82868, J31B82870, J31B82872, J31B82874, J31B82876, J31B82878, J31B82880, J31B82882, J31B82884, J31B82886, J31B82888, J31B82890, J31B82892, J31B82894, J31B82896, J31B82898, J31B82900, J31B82902, J31B82904, J31B82906, J31B82908, J31B82910, J31B82912, J31B82914, J31B82916, J31B82918, J31B82920, J31B82922, J31B82924, J31B82926, J31B82928, J31B82930, J31B82932, J31B82934, J31B82936, J31B82938, J31B82940, J31B82942, J31B82944, J31B82946, J31B82948, J31B82950, J31B82952, J31B82954, J31B82956, J31B82958, J31B82960, J31B82962, J31B82964, J31B82966, J31B82968, J31B82970, J31B82972, J31B82974, J31B82976, J31B82978, J31B82980, J31B82982, J31B82984, J31B82986, J31B82988, J31B82990, J31B82992, J31B82994, J31B82996, J31B82998, J31B83000, J31B83002, J31B83004, J31B83006, J31B83008, J31B83010, J31B83012, J31B83014, J31B83016, J31B83018, J31B83020, J31B83022, J31B83024, J31B83026, J31B83028, J31B83030, J31B83032, J31B83034, J31B83036, J31B83038, J31B83040, J31B83042, J31B83044, J31B83046, J31B83048, J31B83050, J31B83052, J31B83054, J31B83056, J31B83058, J31B83060, J31B83062, J31B83064, J31B83066, J31B83068, J31B83070, J31B83072, J31B83074, J31B83076, J31B83078, J31B83080, J31B83082, J31B83084, J31B83086, J31B83088, J31B83090, J31B83092, J31B83094, J31B83096, J31B83098, J31B83100, J31B83102, J31B83104, J31B83106, J31B83108, J31B83110, J31B83112, J31B83114, J31B83116, J31B83118, J31B83120, J31B83122, J31B83124, J31B83126, J31B83128, J31B83130, J31B83132, J31B83134, J31B83136, J31B83138, J31B83140, J31B83142, J31B83144, J31B83146, J31B83148, J31B83150, J31B83152, J31B83154, J31B83156, J31B83158, J31B83160, J31B83162, J31B83164, J31B83166, J31B83168, J31B83170, J31B83172, J31B83174, J31B83176, J31B83178, J31B83180, J31B83182, J31B83184, J31B83186, J31B83188, J31B83190, J31B83192, J31B83194, J31B83196, J31B83198, J31B83200, J31B83202, J31B83204, J31B83206, J31B83208, J31B83210, J31B83212, J31B83214, J31B83216, J31B83218, J31B83220, J31B83222, J31B83224, J31B83226, J31B83228, J31B83230, J31B83232, J31B83234, J31B83236, J31B83238, J31B83240, J31B83242, J31B83244, J31B83246, J31B83248, J31B83250, J31B83252, J31B83254, J31B83256, J31B83258, J31B83260, J31B83262, J31B83264, J31B83266, J31B83268, J31B83270, J31B83272, J31B83274, J31B83276, J31B83278, J31B83280, J31B83282, J31B83284, J31B83286, J31B83288, J31B83290, J31B83292, J31B83294, J31B83296, J31B83298, J31B83300, J31B83302, J31B83304, J31B83306, J31B83308, J31B83310, J31B83312, J31B83314, J31B83316, J31B83318, J31B83320, J31B83322, J31B83324, J31B83326, J31B83328, J31B83330, J31B83332, J31B83334, J31B83336, J31B83338, J31B83340, J31B83342, J31B83344, J31B83346, J31B83348, J31B83350, J31B83352, J31B83354, J31B83356, J31B83358, J31B83360, J31B83362, J31B83364, J31B83366, J31B83368, J31B83370, J31B83372, J31B83374, J31B83376, J31B83378, J31B83380, J31B83382, J31B83384, J31B83386, J31B83388, J31B83390, J31B83392, J31B83394, J31B83396, J31B83398, J31B83400, J31B83402, J31B83404, J31B83406, J31B83408, J31B83410, J31B83412, J31B83414, J31B83416, J31B83418, J31B83420, J31B83422, J31B83424, J31B83426, J31B83428, J31B83430, J31B83432, J31B83434, J31B83436, J31B83438, J31B83440, J31B83442, J31B83444, J31B83446, J31B83448, J31B83450, J31B83452, J31B83454, J31B83456, J31B83458, J31B83460, J31B83462, J31B83464, J31B83466, J31B83468, J31B83470, J31B83472, J31B83474, J31B83476, J31B83478, J31B83480, J31B83482, J31B83484, J31B83486, J31B83488, J31B83490, J31B83492, J31B83494, J31B83496, J31B83498, J31B83500, J31B83502, J31B83504, J31B83506, J31B83508, J31B83510, J31B83512, J31B83514, J31B83516, J31B83518, J31B83520, J31B83522, J31B83524, J31B83526, J31B83528, J31B83530, J31B83532, J31B83534, J31B83536, J31B83538, J31B83540, J31B83542, J31B83544, J31B83546, J31B83548, J31B83550, J31B83552, J31B83554, J31B83556, J31B83558, J31B83560, J31B83562, J31B83564, J31B83566, J31B83568, J31B83570, J31B83572, J31B83574, J31B83576, J31B83578, J31B83580, J31B83582, J31B83584, J31B83586, J31B83588, J31B83590, J31B83592, J31B83594, J31B83596, J31B83598, J31B83600, J31B83602, J31B83604, J31B83606, J31B83608, J31B83610, J31B83612, J31B83614, J31B83616, J31B83618, J31B83620, J31B83622, J31B83624, J31B83626, J31B83628, J31B83630, J31B83632, J31B83634, J31B83636, J31B83638, J31B83640, J31B83642, J31B83644, J31B83646, J31B83648, J31B83650, J31B83652, J31B83654, J31B83656, J31B83658, J31B83660, J31B83662, J31B83664, J31B83666, J31B83668, J31B83670, J31B83672, J31B83674, J31B83676, J31B83678, J31B83680, J31B83682, J31B83684, J31B83686, J31B83688, J31B83690, J31B83692, J31B83694, J31B83696, J31B83698, J31B83700, J31B83702, J31B83704, J31B83706, J31B83708, J31B83710, J31B83712, J31B83714, J31B83716, J31B83718, J31B83720, J31B83722, J31B83724, J31B83726, J31B83728, J31B83730, J31B83732, J31B83734, J31B83736, J31B83738, J31B83740, J31B83742, J31B83744, J31B83746, J31B83748, J31B83750, J31B83752, J31B83754, J31B83756, J31B83758, J31B83760, J31B83762, J31B83764, J31B83766, J31B83768, J31B83770, J31B83772, J31B83774, J31B83776, J31B83778, J31B83780, J31B83782, J31B83784, J31B83786, J31B83788, J31B83790, J31B83792, J31B83794, J31B83796, J31B83798, J31B83800, J31B83802, J31B83804, J31B83806, J31B83808, J31B83810, J31B83812, J31B83814, J31B83816, J31B83818, J31B83820, J31B83822, J31B83824, J31B83826, J31B83828, J31B83830, J31B83832, J31B83834, J31B83836, J31B83838, J31B83840, J31B83842, J31B83844, J31B83846, J31B83848, J31B83850, J31B83852, J31B83854, J31B83856, J31B83858, J31B83860, J31B83862, J31B83864, J31B83866, J31B83868, J31B83870, J31B83872, J31B83874, J31B83876, J31B83878, J31B83880, J31B83882, J31B83884, J31B83886, J31B83888, J31B83890, J31B83892, J31B83894, J31B83896, J31B83898, J31B83900, J31B83902, J31B83904, J31B83906, J31B83908, J31B83910, J31B83912, J31B83914, J31B83916, J31B83918, J31B83920, J31B83922, J31B83924, J31B83926, J31B83928, J31B83930, J31B83932, J31B83934, J31B83936, J31B83938, J31B83940, J31B83942, J31B83944, J31B83946, J31B83948, J31B83950, J31B83952, J31B83954, J31B83956, J31B83958, J31B83960, J31B83962, J31B83964, J31B83966, J31B83968, J31B83970, J31B83972, J31B83974, J31B83976, J31B83978, J31B83980, J31B83982, J31B83984, J31B83986, J31B83988, J31B83990, J31B83992, J31B83994, J31B83996, J31B83998, J31B84000, J31B84002, J31B84004, J31B84006, J31B84008, J31B84010, J31B84012, J31B84014, J31B84016, J31B84018, J31B84020, J31B84022, J31B84024, J31B84026, J31B84028, J31B84030, J31B84032, J31B84034, J31B84036, J31B84038, J31B84040, J31B84042, J31B84044, J31B84046, J31B84048, J31B84050, J31B84052, J31B84054, J31B84056, J31B84058, J31B84060, J31B84062, J31B84064, J31B84066, J31B84068, J31B84070, J31B84072, J31B84074, J31B84076, J31B84078, J31B84080, J31B84082, J31B84084, J31B84086, J31B84088, J31B84090, J31B84092, J31B84094, J31B84096, J31B84098, J31B84100, J31B84102, J31B84104, J31B84106, J31B84108, J31B84110, J31B84112, J31B84114, J31B84116, J31B84118, J31B84120, J31B84122, J31B84124, J31B84126, J31B84128, J31B84130, J31B84132, J31B84134, J31B84136, J31B84138, J31B84140, J31B84142, J31B84144, J31B84146, J31B84148, J31B84150, J31B84152, J31B84154, J31B84156, J31B84158, J31B84160, J31B84162, J31B84164, J31B84166, J31B84168, J31B84170, J31B84172, J31B84174, J31B84176, J31B84178, J31B84180, J31B84182, J31B84184, J31B84186, J31B84188, J31B84190, J31B84192, J31B84194, J31B84196, J31B84198, J31B84200, J31B84202, J31B84204, J31B84206, J31B84208, J31B84210, J31B84212, J31B84214, J31B84216, J31B84218, J31B84220, J31B84222, J31B84224, J31B84226, J31B84228, J31B84230, J31B84232, J31B84234, J31B84236, J31B84238, J31B84240, J31B84242, J31B84244, J31B84246, J31B84248, J31B84250, J31B84252, J31B84254, J31B84256, J31B84258, J31B84260, J31B84262, J31B84264, J31B84266, J31B84268, J31B84270, J31B84272, J31B84274, J31B84276, J31B84278, J31B84280, J31B84282, J31B84284, J31B84286, J31B84288, J31B84290, J31B84292, J31B84294, J31B84296, J31B84298, J31B84300, J31B84302, J31B84304, J31B84306, J31B84308, J31B84310, J31B84312, J31B84314, J31B84316, J31B84318, J31B84320, J31B84322, J31B84324, J31B84326, J31B84328, J31B84330, J31B84332, J31B84334, J31B84336, J31B84338, J31B84340, J31B84342, J31B84344, J31B84346, J31B84348, J31B84350, J31B84352, J31B84354, J31B84356, J31B84358, J31B84360, J31B84362, J31B84364, J31B84366, J31B84368, J31B84370, J31B84372, J31B84374, J31B84376, J31B84378, J31B84380, J31B84382, J31B84384, J31B84386, J31B84388, J31B84390, J31B84392, J31B84394, J31B84396, J31B84398, J31B84400, J31B84402, J31B84404, J31B84406, J31B84408, J31B84410, J31B84412, J31B84414, J31B84416, J31B84418, J31B84420, J31B84422, J31B84424, J31B84426, J31B84428, J31B84430, J31B84432, J31B84434, J31B84436, J31B84438, J31B84440, J31B84442, J31B84444, J31B84446, J31B84448, J31B84450, J31B84452, J31B84454, J31B84456, J31B84458, J31B84460, J31B84462, J31B84464, J31B84466, J31B84468, J31B84470, J31B84472, J31B84474, J31B84476, J31B84478, J31B84480, J31B84482, J31B84484, J31B84486, J31B84488, J31B84490, J31B84492, J31B84494, J31B84496, J31B84498, J31B84500, J31B84502, J31B84504, J31B84506, J31B84508, J31B84510, J31B84512, J31B84514, J31B84516, J31B84518, J31B84520, J31B84522, J31B84524, J31B84526, J31B84528, J31B84530, J31B84532, J31B84534, J31B84536, J31B84538, J31B84540, J31B84542, J31B84544, J31B84546, J31B84548, J31B84550, J31B84552, J31B84554, J31B84556, J31B84558, J31B84560, J31B84562, J31B84564, J31B84566, J31B84568, J31B84570, J31B84572, J31B84574, J31B84576, J31B84578, J31B84580, J31B84582, J31B84584, J31B84586, J31B84588, J31B84590, J31B84592, J31B84594, J31B84596, J31B84598, J31B84600, J31B84602, J31B84604, J31B84606, J31B84608, J31B84610, J31B84612, J31B84614, J31B84616, J31B84618, J31B84620, J31B84622, J31B84624, J31B84626, J31B84628, J31B84630, J31B84632, J31B84634, J31B84636, J31B84638, J31B84640, J31B84642, J31B84644, J31B84646, J31B84648, J31B84650, J31B84652, J31B84654, J31B84656, J31B84658, J31B84660, J31B84662, J31B84664, J31B84666, J31B84668, J31B84670, J31B84672, J31B84674, J31B84676, J31B84678, J31B84680, J31B84682, J31B84684, J31B84686, J31B84688, J31B84690, J31B84692, J31B84694, J31B84696, J31B84698, J31B84700, J31B84702, J31B84704, J31B84706, J31B84708, J31B84710, J31B84712, J31B84714, J31B84716, J31B84718, J31B84720, J31B84722, J31B84724, J31B84726, J31B84728, J31B84730, J31B84732, J31B84734, J31B84736, J31B84738, J31B84740, J31B84742, J31B84744, J31B84746, J31B84748, J31B84750, J31B84752, J31B84754, J31B84756, J31B84758, J31B84760, J31B84762, J31B84764, J31B84766, J31B84768, J31B84770, J31B84772, J31B84774, J31B84776, J31B84778, J31B84780, J31B84782, J31B84784, J31B84786, J31B84788, J31B84790, J31B84792, J31B84794, J31B84796, J31B84798, J31B84800, J31B84802, J31B84804, J31B84806, J31B84808, J31B84810, J31B84812, J31B84814, J31B84816, J31B84818, J31B84820, J31B84822, J31B84824, J31B84826, J31B84828, J31B84830, J31B84832, J31B84834, J31B84836, J31B84838, J31B84840, J31B84842, J31B84844, J31B84846, J31B84848, J31B84850, J31B84852, J31B84854, J31B84856, J31B84858, J31B84860, J31B84862, J31B84864, J31B84866, J31B84868, J31B84870, J31B84872, J31B84874, J31B84876, J31B84878, J31B84880, J31B84882, J31B84884, J31B84886, J31B84888, J31B84890, J31B84892, J31B84894, J31B84896, J31B84898, J31B84900, J31B84902, J31B84904, J31B84906, J31B84908, J31B84910, J31B84912, J31B84914, J31B84916, J31B84918, J31B84920, J31B84922, J31B84924, J31B84926, J31B84928, J31B84930, J31B84932, J31B84934, J31B84936, J31B84938, J31B84940, J31B84942, J31B84944, J31B84946, J31B84948, J31B84950, J31B84952, J31B84954, J31B84956, J31B84958, J31B84960, J31B84962, J31B84964, J31B84966, J31B84968, J31B84970, J31B84972, J31B84974, J31B84976, J31B84978, J31B84980, J31B84982, J31B84984, J31B84986, J31B84988, J31B84990, J31B84992, J31B84994, J31B84996, J31B84998, J31B85000, J31B85002, J31B85004, J31B85006, J31B85008, J31B85010, J31B85012, J31B85014, J31B85016, J31B85018, J31B85020, J31B85022, J31B85024, J31B85026, J31B85028, J31B85030, J31B85032, J31B85034, J31B85036, J31B85038, J31B85040, J31B85042, J31B85044, J31B85046, J31B85048, J31B85050, J31B85052, J31B85054, J31B85056, J31B85058, J31B85060, J31B85062, J31B85064, J31B85066, J31B85068, J31B85070, J31B85072, J31B85074, J31B85076, J31B85078, J31B85080, J31B85082, J31B85084, J31B85086, J31B85088, J31B85090, J31B85092, J31B85094, J31B85096, J31B85098, J31B85100, J31B85102, J31B85104, J31B85106, J31B85108, J31B85110, J31B85112, J31B85114, J31B85116, J31B85118, J31B85120, J31B85122, J31B85124, J31B85126, J31B85128, J31B85130, J31B85132, J31B85134, J31B85136, J31B85138, J31B85140, J31B85142, J31B85144, J31B85146, J31B85148, J31B85150, J31B85152, J31B85154, J31B85156, J31B85158, J31B85160, J31B85162, J31B85164, J31B85166, J31B85168, J31B85170, J31B85172, J31B85174, J31B85176, J31B85178, J31B85180, J31B85182, J31B85184, J31B85186, J31B85188, J31B85190, J31B85192, J31B85194, J31B85196, J31B85198, J31B85200, J31B85202, J31B85204, J31B85206, J31B85208, J31B85210, J31B85212, J31B85214, J31B85216, J31B85218, J31B85220, J31B85222, J31B85224, J31B85226, J31B85228, J31B85230, J31B85232, J31B85234, J31B85236, J31B85238, J31B85240, J31B85242, J31B85244, J31B85246, J31B85248, J31B85250, J31B85252, J31B85254, J31B85256, J31B85258

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

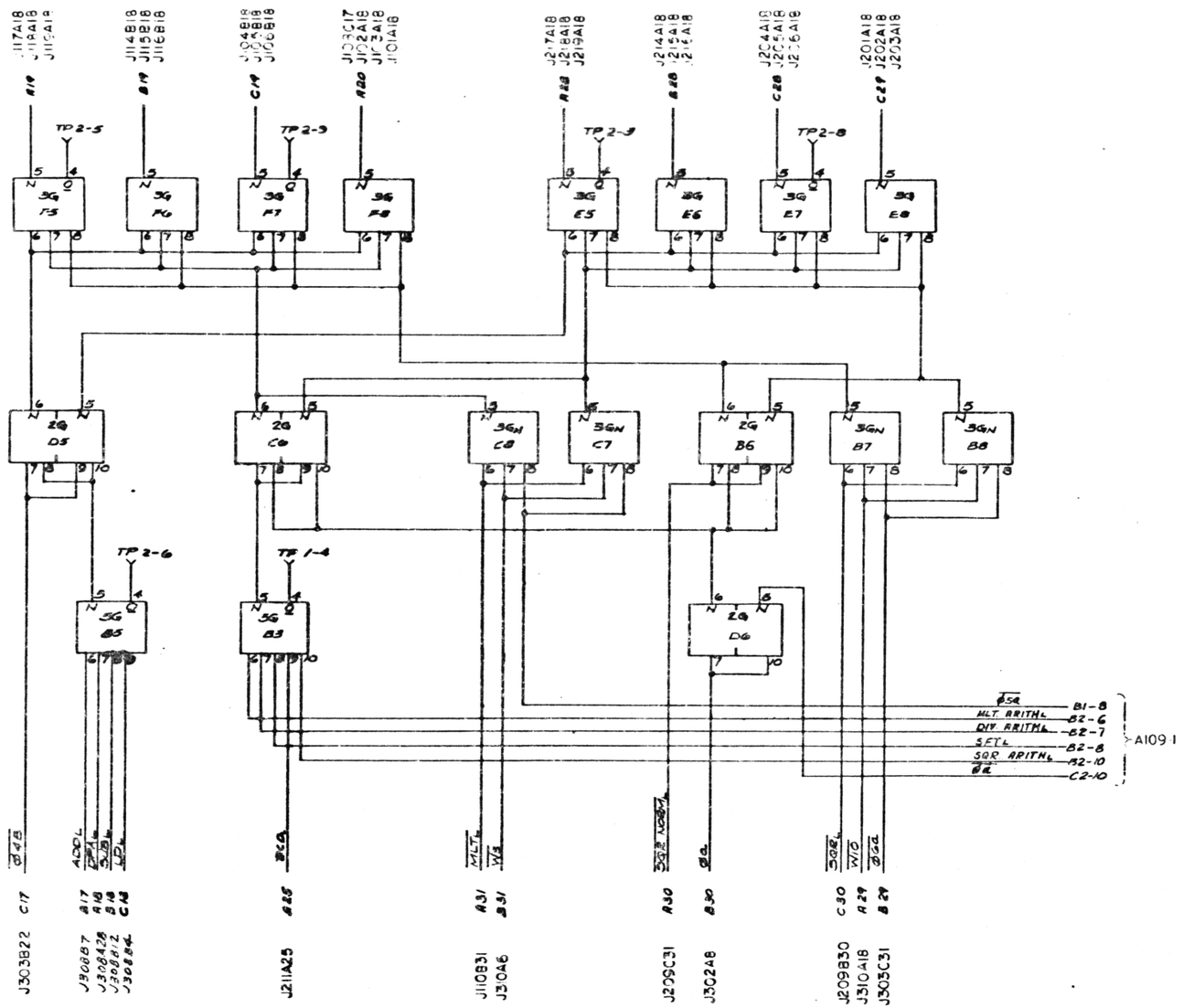
[B688040E]

A109-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS.	DR L Spieler 9-22-67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK	
MFR TO LINK STDS	DR CHK [illegible] 11-9-67	LOGIC DIAGRAM - MQ TRANSFER AND ADDER TRANSFER	
MATL	DESIGN CHK [illegible]		
FINISH	MFG. CHK		
	PROJ APPD [illegible]	SIZE D / CODE IDENT NO 36378 / DWG. NO B688040E	
687296 / AF37U19 NEXT ASSY / USED ON		SCALE NONE	SHEET 18

FORM 800 F 1673-80

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

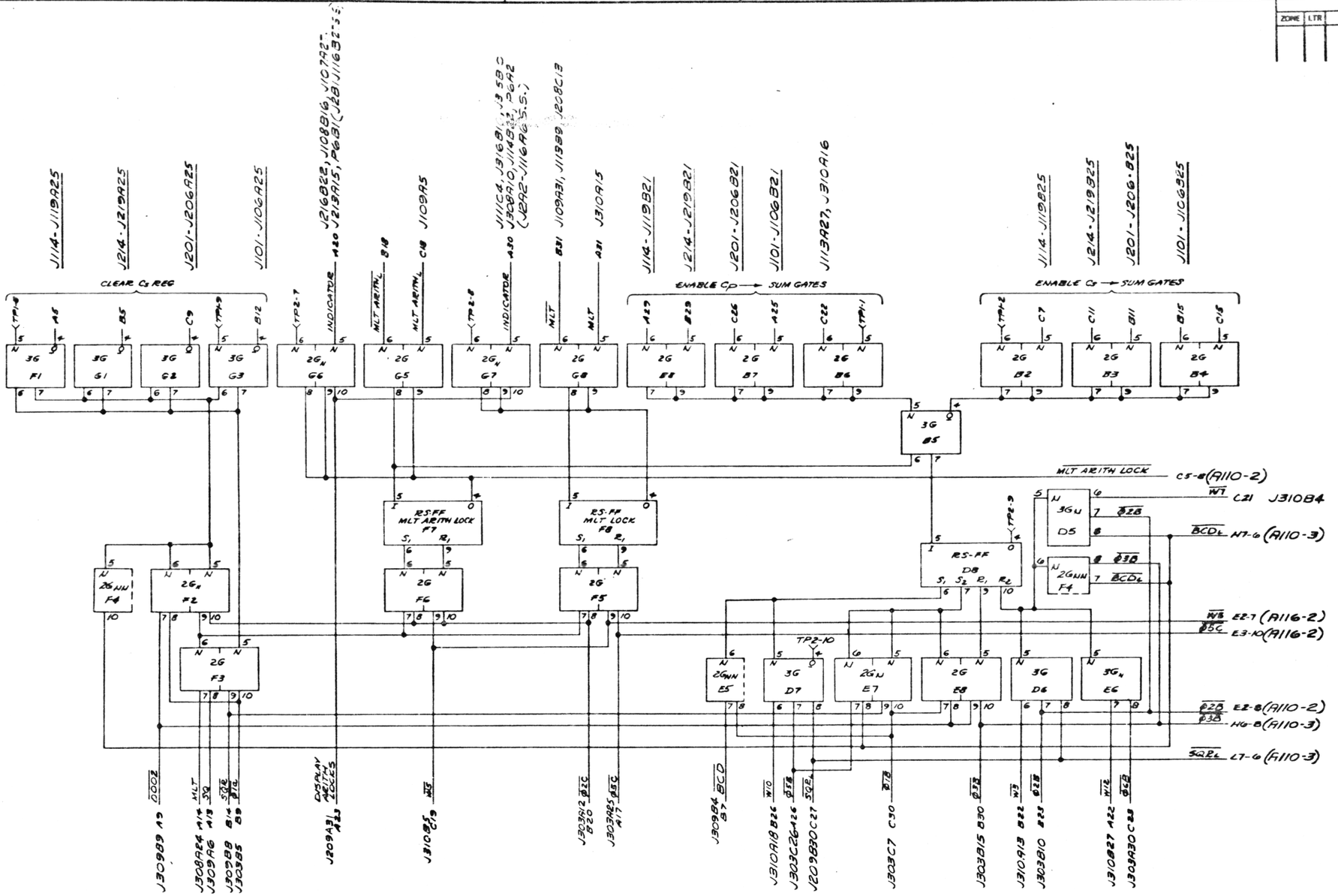
[B688040E]

A109-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
	DR CHK	LOGIC DIAGRAM — MQ TRANSFER AND ADDER TRANSFER
	DESIGN CHK	
	MFG. CHK	
	PROJ. APPD.	
		SIZE D · CAGE IDENT NO 36378 · DWG NO B688040E
		SCALE NONE · SHEET 19

687296	4A 370 T9
NEXT ASSY	USED ON

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E B A

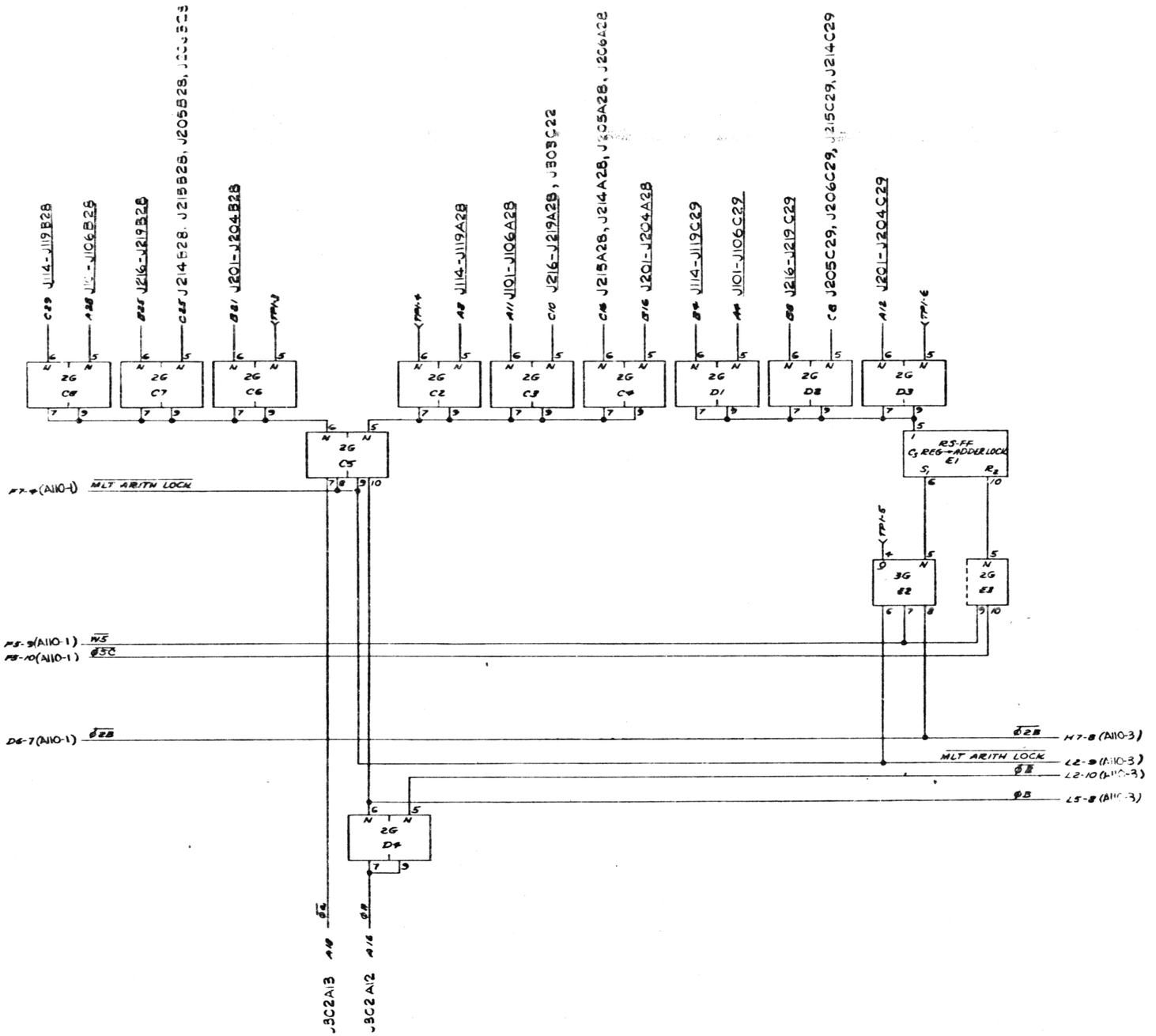
B688040E

A110-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL ~~2 PLACE ± .03~~ ANGULAR ~~3 PLACE ± .010~~ FRACTIONAL HOLE DIA TOL PER SHOP STDS. MFR TO LINK STDS. MATL FINISH	DR 9-26-62 CR CHK 12-9-67 DESIGN CHK 12-9-67 MFG. CHK PROJ. APPD	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK LOGIC DIAGRAM RIGHT SHIFT CONTROL SIZE D · CODE IDENT NO 36378 · DWG. NO. B688040E SCALE · SHEET 23

NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A

[B688040E]

A110-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH
NEXT ASSY | USED ON

DR 2-26-67
DR CHK
DESIGN CHK
MFG. CHK
PROJ. APPD

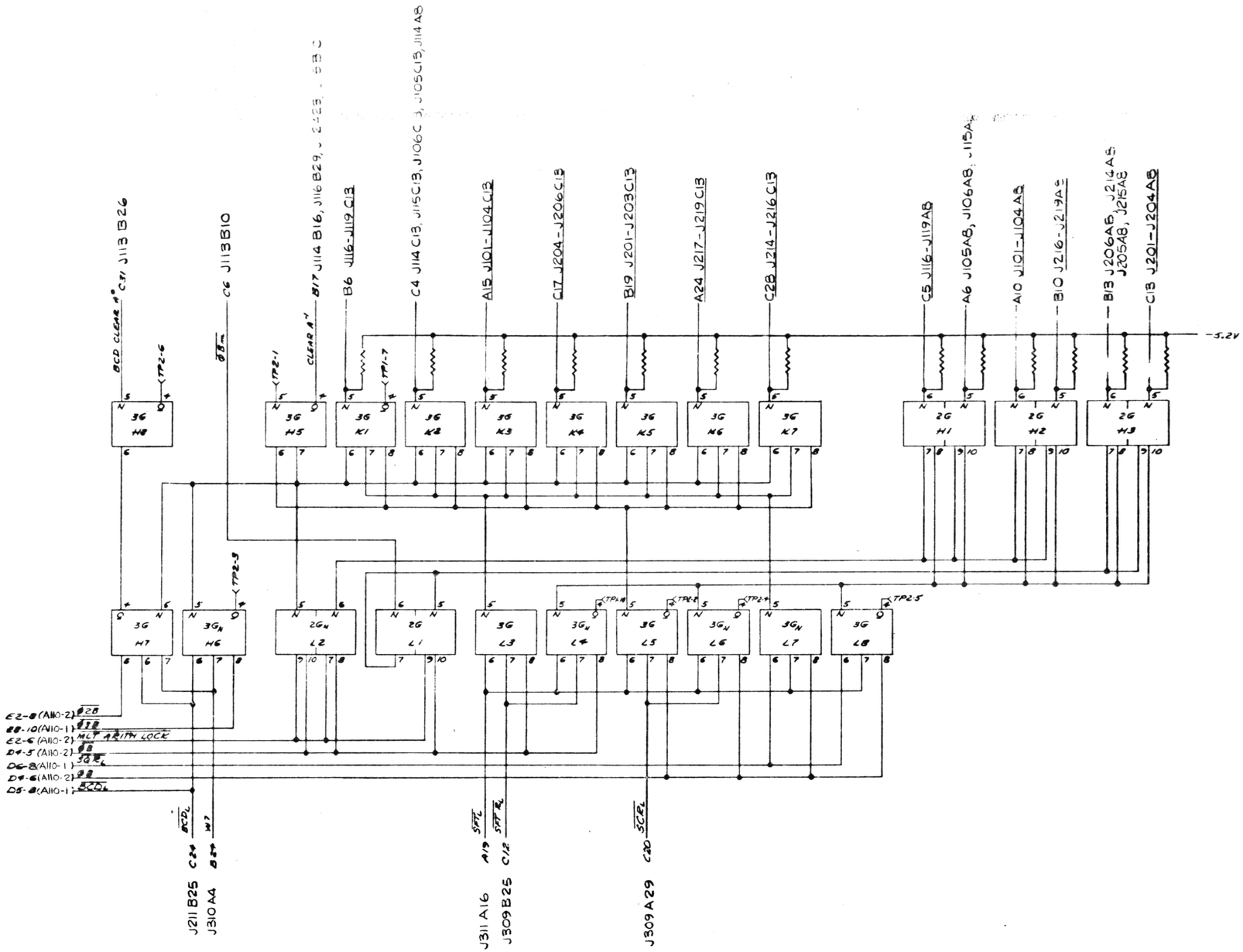
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM—
RIGHT SHIFT
CONTROL

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 21

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E A

[688040E]

A110-3

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR [illegible] 11/22/67
MFR. TO LINK STDS.	DR CHK [illegible] 12-9-67
MATL	DESIGN CHK [illegible]
FINISH	MFG. CHK
	PROJ. APPD [illegible]

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM - RIGHT SHIFT CONTROL

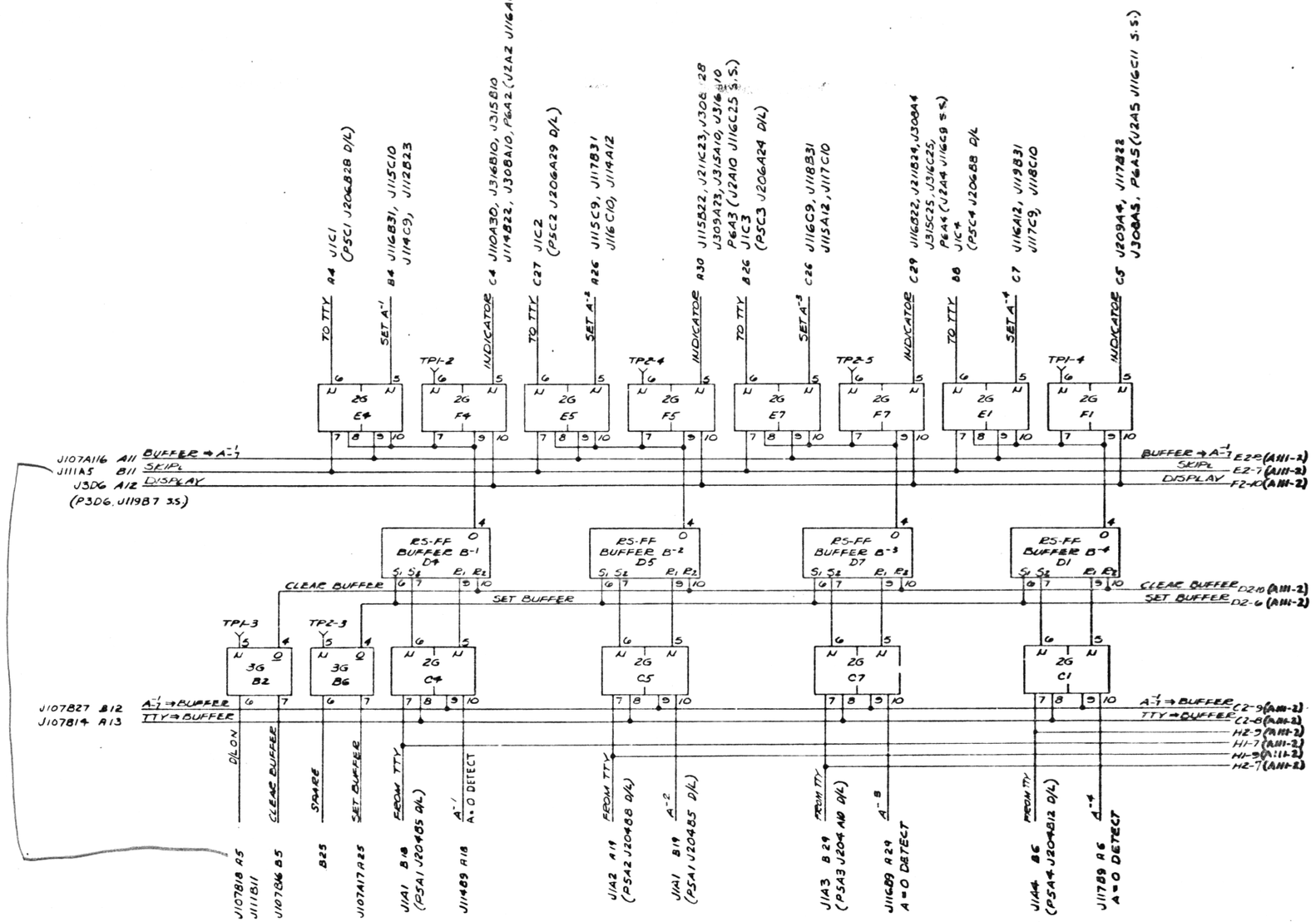
NEXT ASSY	USED ON
4607210	AE 310-17

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE SHEET 22

FORM NO. F 1474 40

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

A111-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR TO LINK STDS.
M.O.
FINISH

DR	Burgo	9-23-67
DR CHK	J. Hallay	10-9-67
DESIGN CHK	L. Little	10-9-67
MFG. CHK		
PROJ. APPD	H. Anderson	10/19/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM - BUFFER REGISTER GP ⇒ TTY

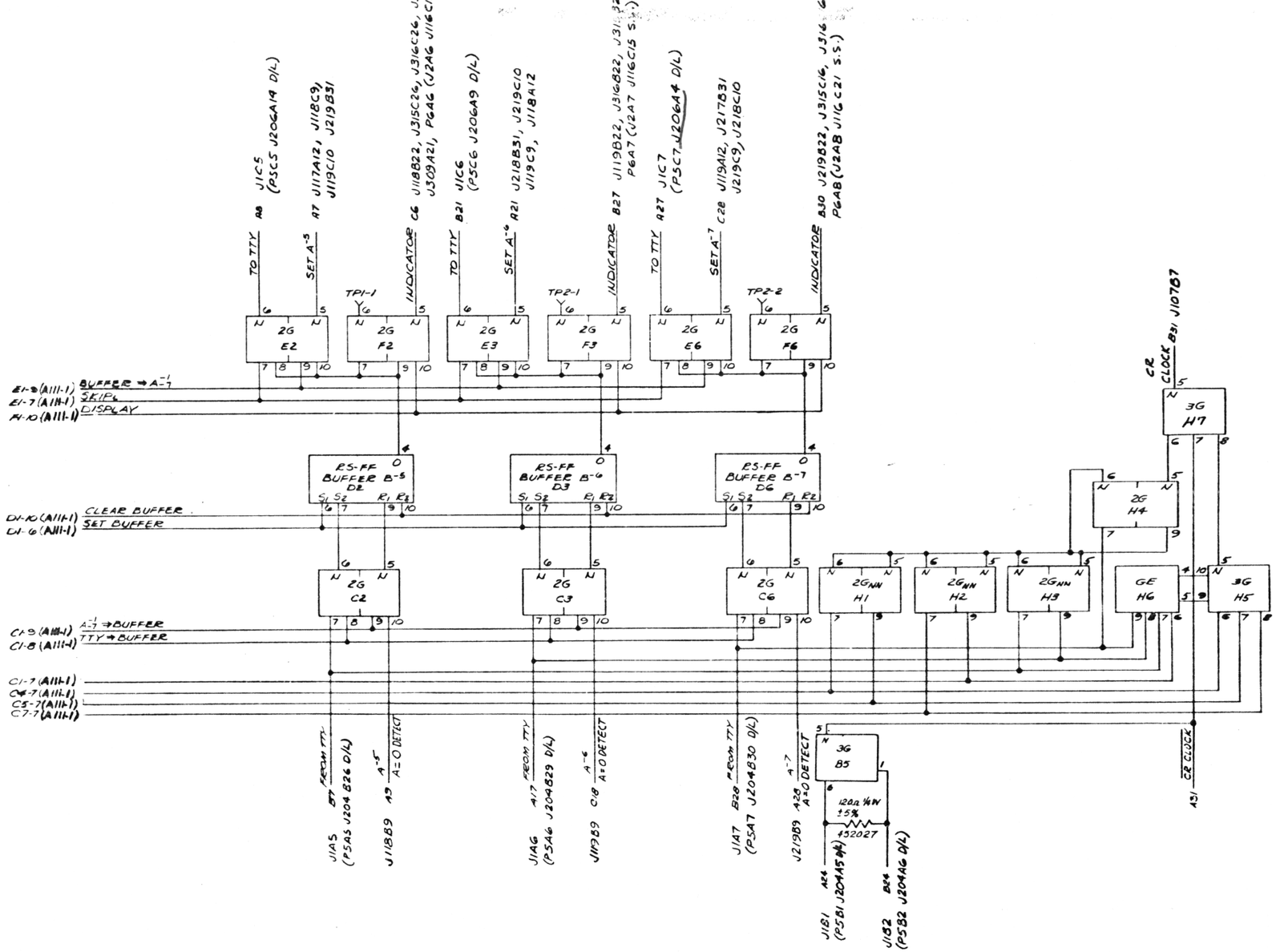
SIZE	CODE IDENT NO	DWG. NO
D	36378	B688040E

SCALE — SHEET 23

J87552	A/F 370-T9
NEXT ASSY	USED ON

FORM NO. F 1474 4B

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688000E

[B688000E]

A111-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	9.23.67
DR CHK	9.27.67
DESIGN CHK	
MFG. CHK	
PROJ. APPD	10/11/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM BUFFER REGISTER GP ⇒ TTY

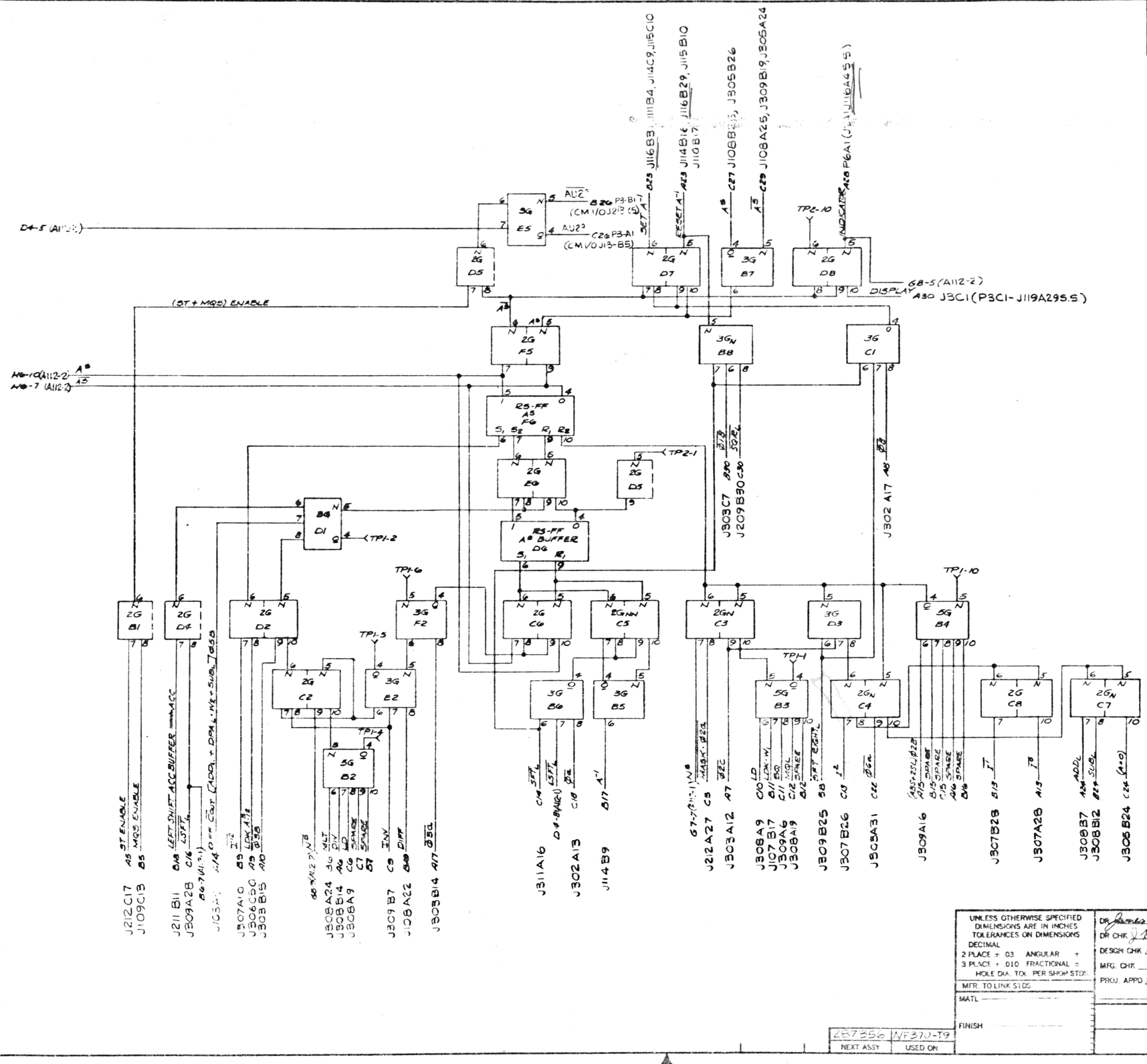
SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE — SHEET 24

687552	A/F37U-T9
NEXT ASSY	USED ON

FORM NO. P 1674-40

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A

[B688040E]

A112-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR James C Barnes 11/23/67
MFR. TO LINK STDS.	DR CHK [illegible] 11-9-67
MATL	DESGN CHK [illegible] 11-[illegible]-67
FINISH	MFG. CHK
	PROJ. APPD [illegible] 12/19/67

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM-
SIGN CONTROL

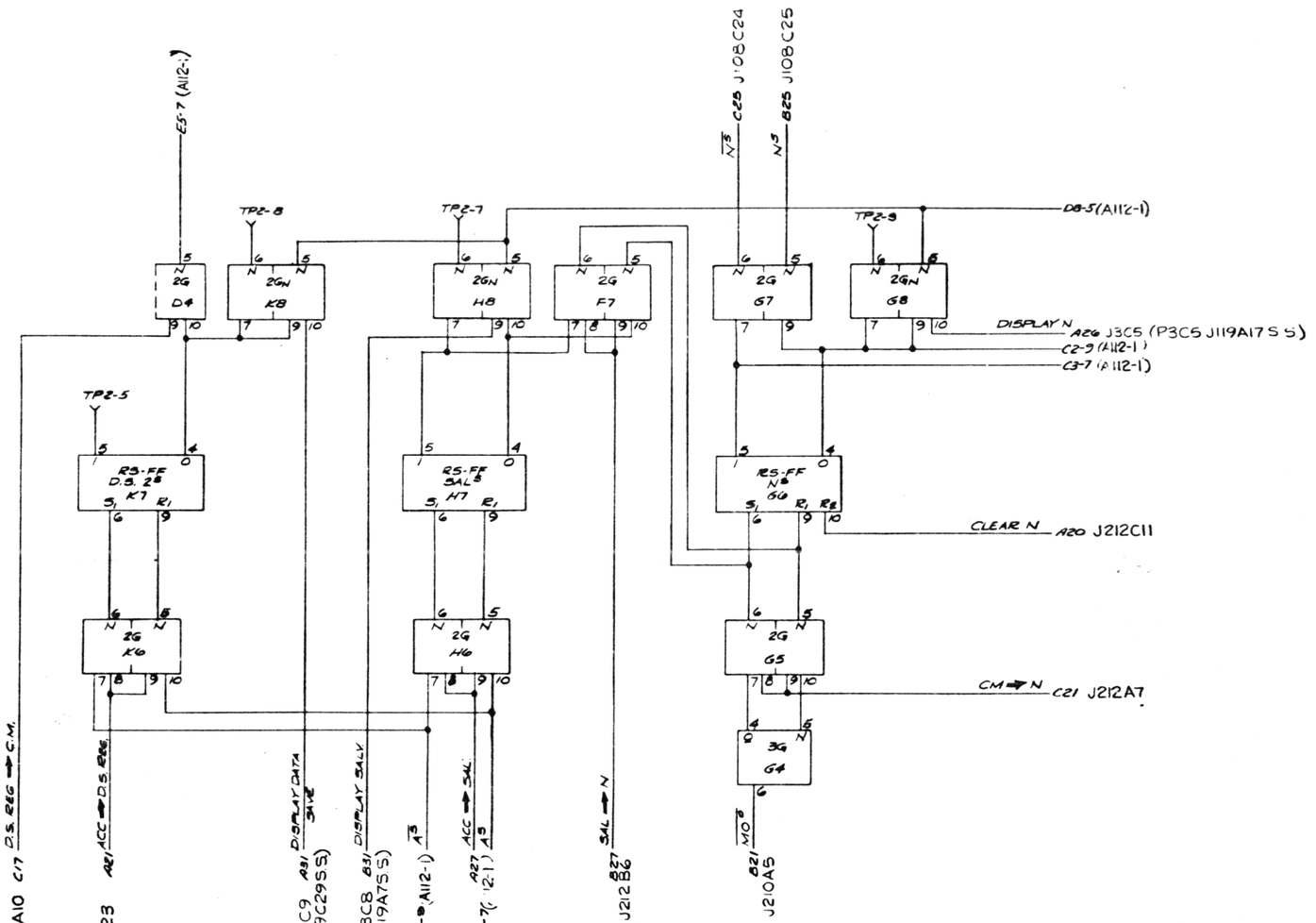
257356	NF370-T9
NEXT ASSY	USED ON

SIZE	CODE IDENT NO	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 25

FORM NO. F 1474-1E

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



A112-2

B688040E

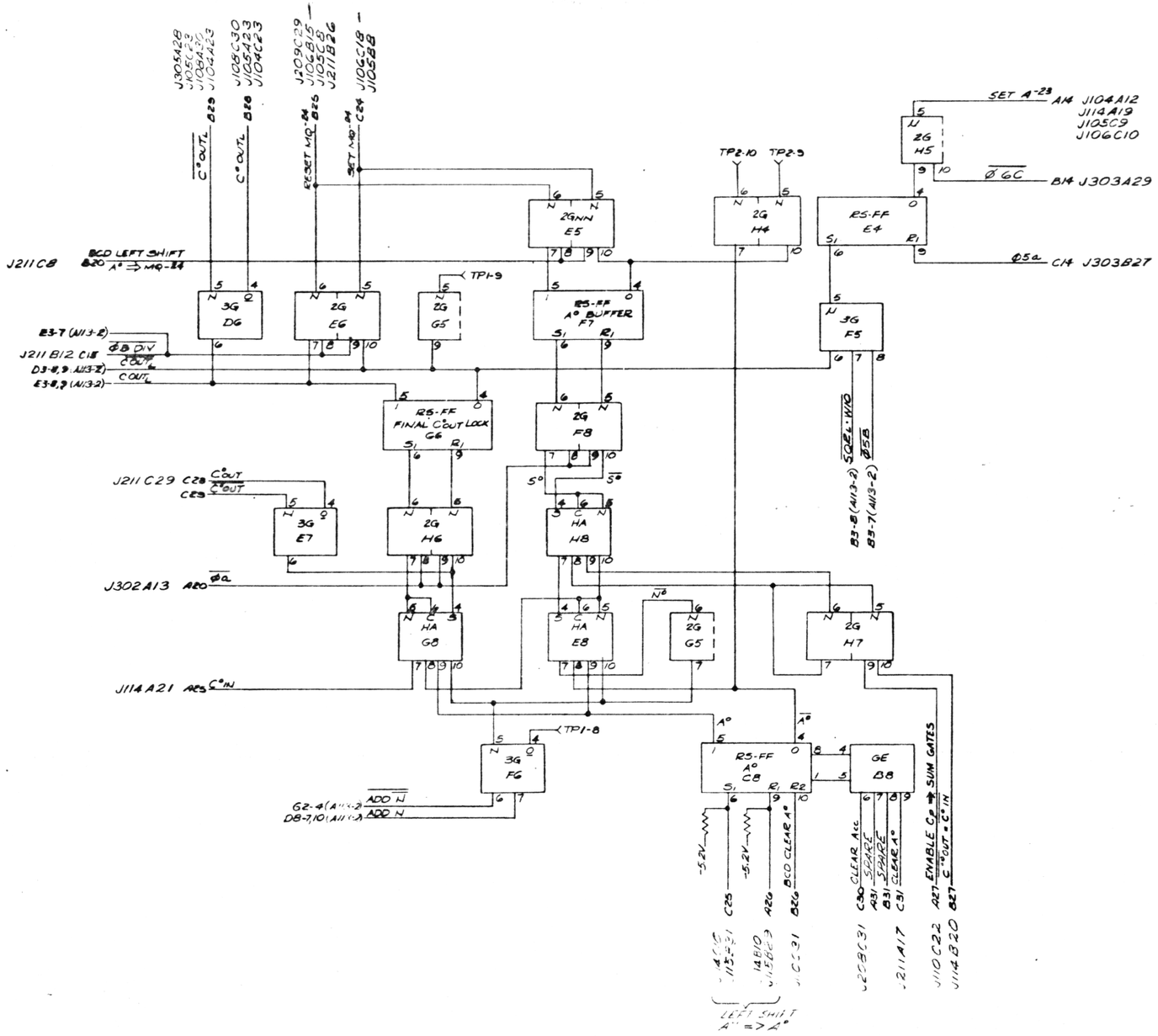
A

[B688040E]

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR 2/22/67 DR CHK 2/9/67 DESIGN CHK MFG. CHK PROJ. APPD 2/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM - SIGN CONTROL
		SIZE D | CODE IDENT NO. 36378 | DWG. NO. B688040E
		SCALE NONE | SHEET 26

2/23/67	A/F 27N 17
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A

[B688040E]

A113-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR		
MFR. TO LINK STDS.	DR CHK		
MATL	DESIGN CHK		
FINISH	MFG. CHK		
NEXT ASSY / USED ON	PROJ. APPD		

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

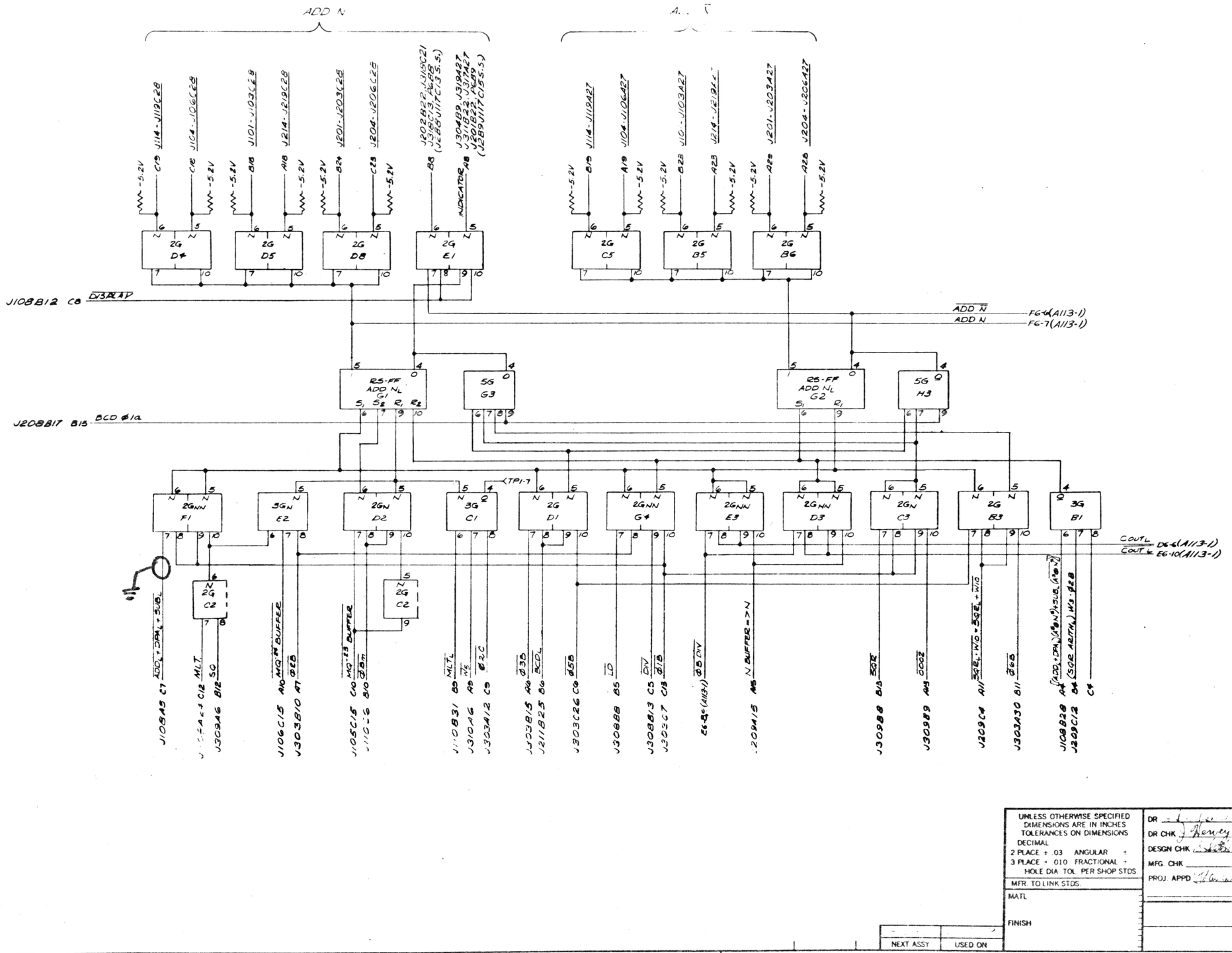
LOGIC DIAGRAM (A°+N°) AND ADD N CONTROL

SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE | SHEET 27

FORM NO. P 1474-A2

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR	
MFR. TO LINK STDS.	DR CHK	Henry 10 9 67
MATL	DESGN CHK	12 7 67
FINISH	MFG. CHK	
	PROJ. APPD	

NEXT ASSY	USED ON

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM (A'-N') AND ADD N CONTROL

SIZE	CODE IDENT NO	DWG. NO
D	36378	B688040E

SCALE | SHEET 28

FORM NO. F 1474 4D

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

NOTE:
ALL CAPACITORS ARE 01 UF,
50V, -80% +20%, CRL 5469S7.

303200E

B688040E

A114-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR 9-26-67
REFR TO LINK STDS	DR CHK 10-9-67
MATL	DESGN CHK 10-9-67
FINISH	MFG CHK
	PROJ APPD 10/10/67

LINK GROUP SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM ARITHMETIC UNIT BIT 2⁻¹ (i=1)

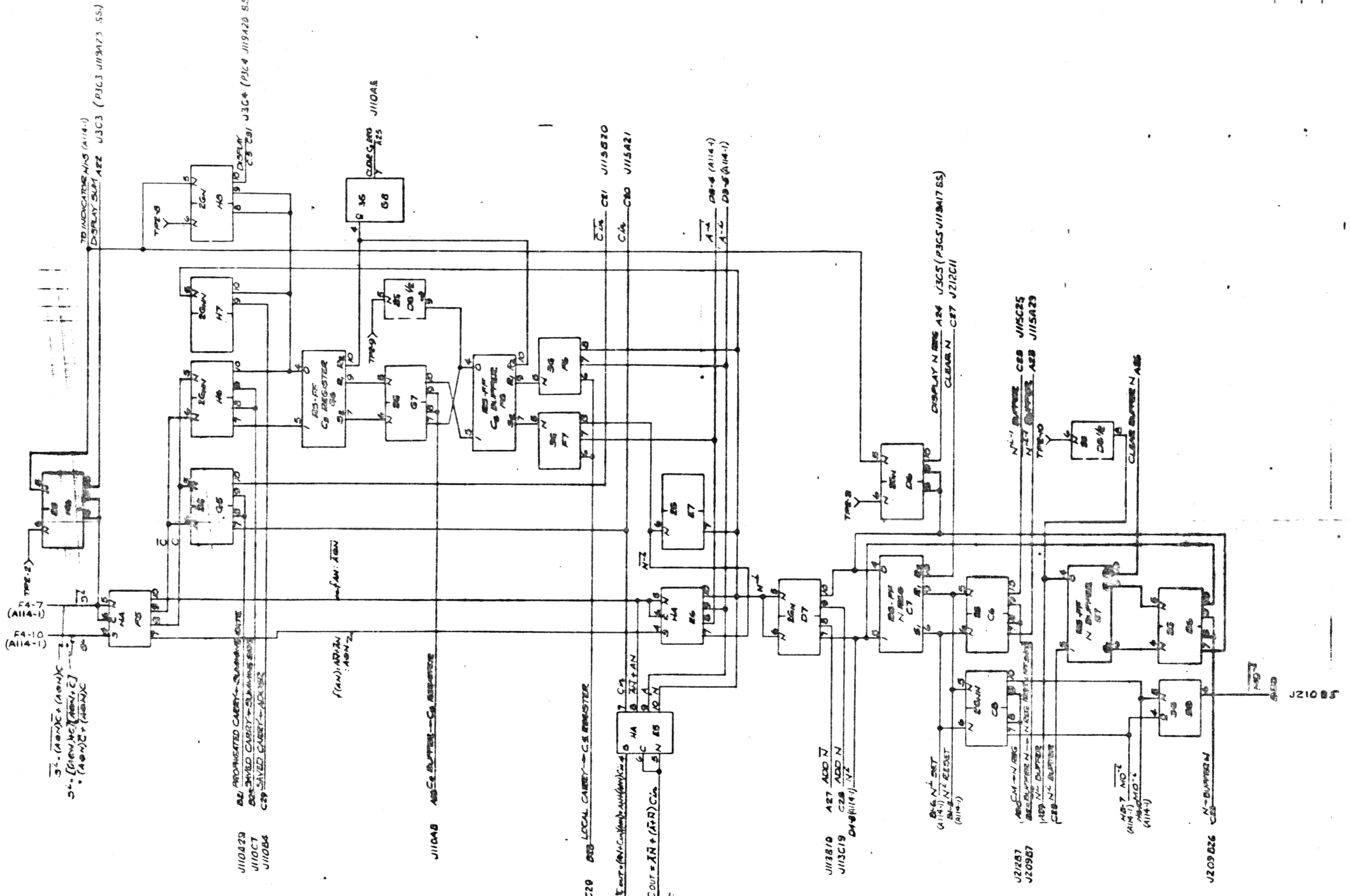
SIZE	CODE IDENT NO.	DWG NO.
D	36378	B688040E

SCALE — SHEET 29

687286 NEXT ASSY | A/F 370-T9 USED ON

FORM NO. F 1474 49

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS	DR Bilello 9-24-67 DR CHK [illegible] 10-9-67 DESIGN CHK [illegible] 10-9-67 MFG CHK PROJ. APPD [illegible] 10/10/67
MFR TO LINK STDS MATL FINISH	LINK GENERAL PRECISION, INC. LOGIC DIAGRAM ARITHMETIC UNIT BIT 2^{-1} (i=1)
68728D NEXT ASSY | A/F37U-T9 USED ON	SIZE D | CODE IDENT NO 36378 | DWG NO B688040E SCALE | SHEET 39

B688040E

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

B688040E A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS	DR Prochnow 9.26.67
MFR TO LINK STDS	DR CHK J Hennessy 10-9-67
MATL	DESGN CHK [illegible] 10-9-67
FINISH	MFG CHK
	PROJ APPD [illegible] 10/10/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM ARITHMETIC UNIT BIT 2⁻² (i = 2)

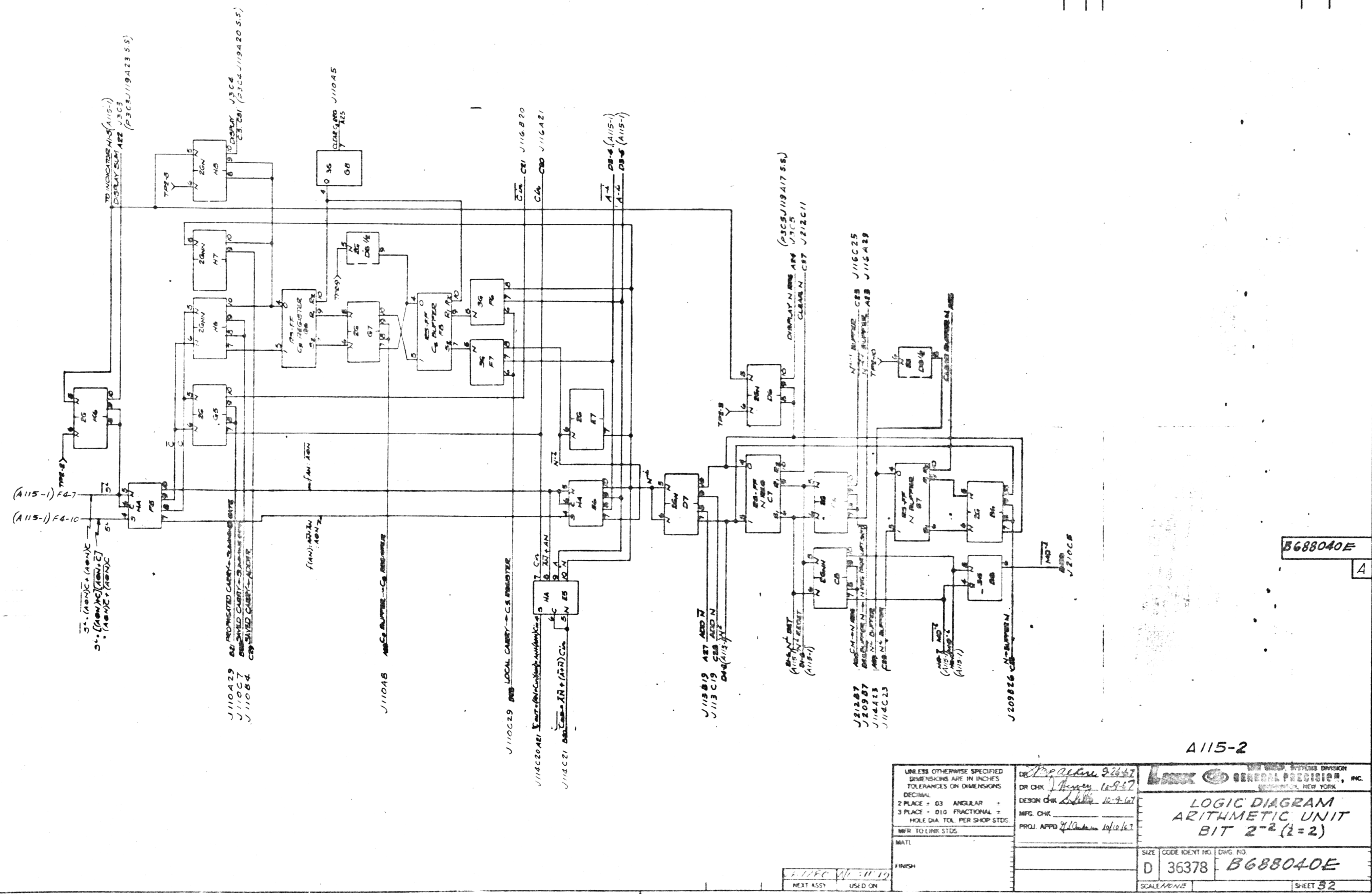
SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE NONE SHEET 31

6872AC	AN/ASQ-17A
NEXT ASSY	USED ON

A115-1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MAT'L
FINISH

NEXT ASSY | USED ON

DR Capaccio 9-24-67
DR CHK J Meyer 10-9-67
DESIGN CHK [illegible] 10-9-67
MFG. CHK
PROJ. APPD [illegible] 10/10/67

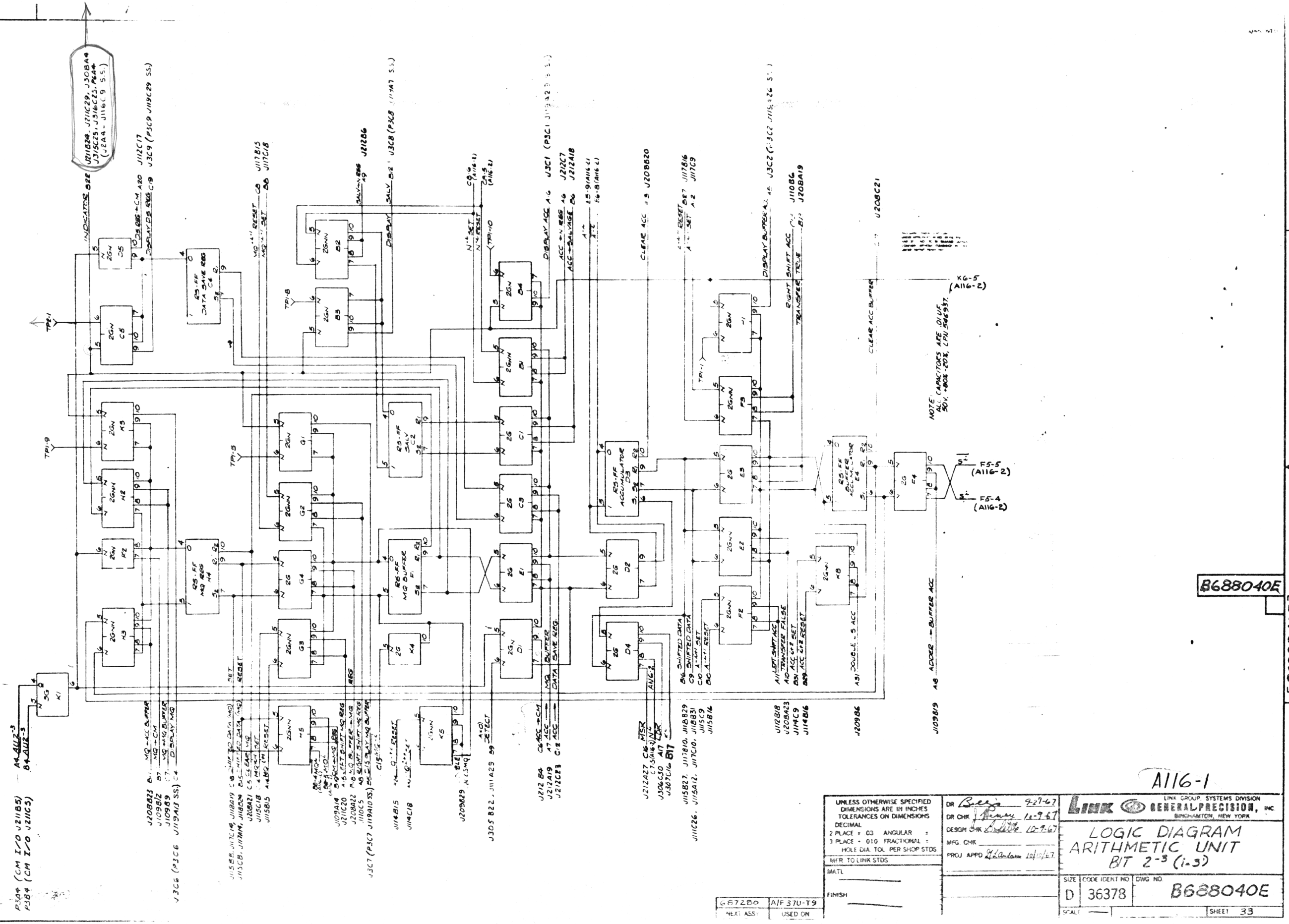
LINK SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM ARITHMETIC UNIT BIT 2^{-2} (2 = 2)

SIZE	CODE IDENT NO.	DWG NO.
D	36378	B6888040E

SCALE NONE | SHEET 32

B6888040E


INDICATOR
J211824, J211C29, J308A9
J315C25, J316C25, P644
(J2AA - J116C9 SS)
J211C17
DISPLAY
J3C9 (P3C9 J119C29 SS)
J212B6
J3C1 (P3C1
J212C7
J212418
J212C18
J3C8 (P3C8
DISPLAY ACC
CLEAR ACC
J208B20
DISPLAY BUFFER
J3C2 (P3C2
J110B6
J208A19
RIGHT SHIFT ACC
TRANSFER TRUE
CLEAR ACC BUFFER
J208C21
NOTE:
ALL CAPACITORS ARE .01 UF,
50V, +80% -20%, CPD 5A6937.
K6-5
(A116-2)
F5-5
(A116-2)
F5-4
(A116-2)
B688040E
A116-1
P3A4 (CM I/O J21185)
P3B4 (CM I/O J21165)
J3G6 (P3C6
J119A13 SS)
J208B23
J110B12
J110B9
J211B24
J208A22
J110C5
J3C7 (P3C7 J119A10 SS)
J114B15
J114C18
J209B29
J305B22, J111A29
J212B4
J212A19
J212C13
J212A27
J306C30
J307C16
J115B27, J111B10, J111B29
J111C26, J115A12, J111C10, J111B31
J115C9
J115B16
J112B18
J208A23
J114C9
J114B16
J120B6
J109B19
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA TOL PER SHOP STDS
MFR TO LINK STDS
MATL
FINISH
DR 9-27-67
DR CHK 10-9-67
DESIGN CHK 10-9-67
MFG. CHK
PROJ APPD 10/9/67
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC
BINGHAMTON, NEW YORK
LOGIC DIAGRAM
ARITHMETIC UNIT
BIT 2-3 (1-3)
SIZE D
CODE IDENT NO. 36378
DWG NO. B688040E
SCALE
SHEET 33
687280
NEXT ASST
A1F370-T9
USED ON
Form No. F 1474-48

8 7

D C B A

TO INDICATOR HI-3 (A116-1)
DISPLAY SUM A22 J3C3 (P3C3 J119A23 SS.)

DISPLAY C21 J3C4 (PC34 J119A20 SS.)

CLEAR SUM A21 J110A5

C21 J117B20
C20 J117A21

A-4 DB-4 (A116-1)
A-5 DB-5 (A116-1)

DISPLAY N BRG A24 J3C5 (P3C5 J119A17 SS.)
CLEAR N C27 J2170H

N+1 BUFFER C23 J117C25
N+1 BUFFER A23 J117A29

TP2-9
TP2-8
TP2-10

F4-7 (A116-1)
F4-10 (A116-1)

S+ (A0•B)' + (A0•N)C
S+ [(A0•B)'•(A0•N)]C
+ (A0•B)'•(A0•N)C

A0 PROPAGATED CARRY - SUMMING GATE
B0 SAVED CARRY - SUMMING GATE
C29 SAVED CARRY - ADDER

J110A29
J110C7
J110B4

J110A8 A0 Cs BUFFER → Cs REGISTER

J110C29 B28 LOCAL CARRY → Cs REGISTER

J115C20 A21 Cout (AN•Cin) + (AN•Cin) + (AN•Cin)

J115C21 B20 Cout = AN + (AN)Cin

J113B19 A27 ADD N
J113C19 C28 ADD N
D4-8 (A116-1) N+1

D1-6 N+1 SET
D1-5 N+1 RESET
(A116-1)

J121A17 A30 CM = N BRG
J120B17 B24 BUFFER N → N REG (FOR LAST SHIFT)
J115A23 A29 N+1 BUFFER
J115C23 C28 N+1 BUFFER

MQ-7 (A116-1) → MQ-6

J209B26 C22 N BUFFER N
MQ-7
B30
J210A9

B688040E

A116-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR
3 PLACE ± .010 FRACTIONAL
HOLE DIA TO BE PER SPOT SIZE
REF TO LINK STD
MAT
FINISH

DR 8-22-67
DR CHK 10.9.67
DESGN CHK 10.9.67
MFG CHK
PROJ APPD 10/6/67

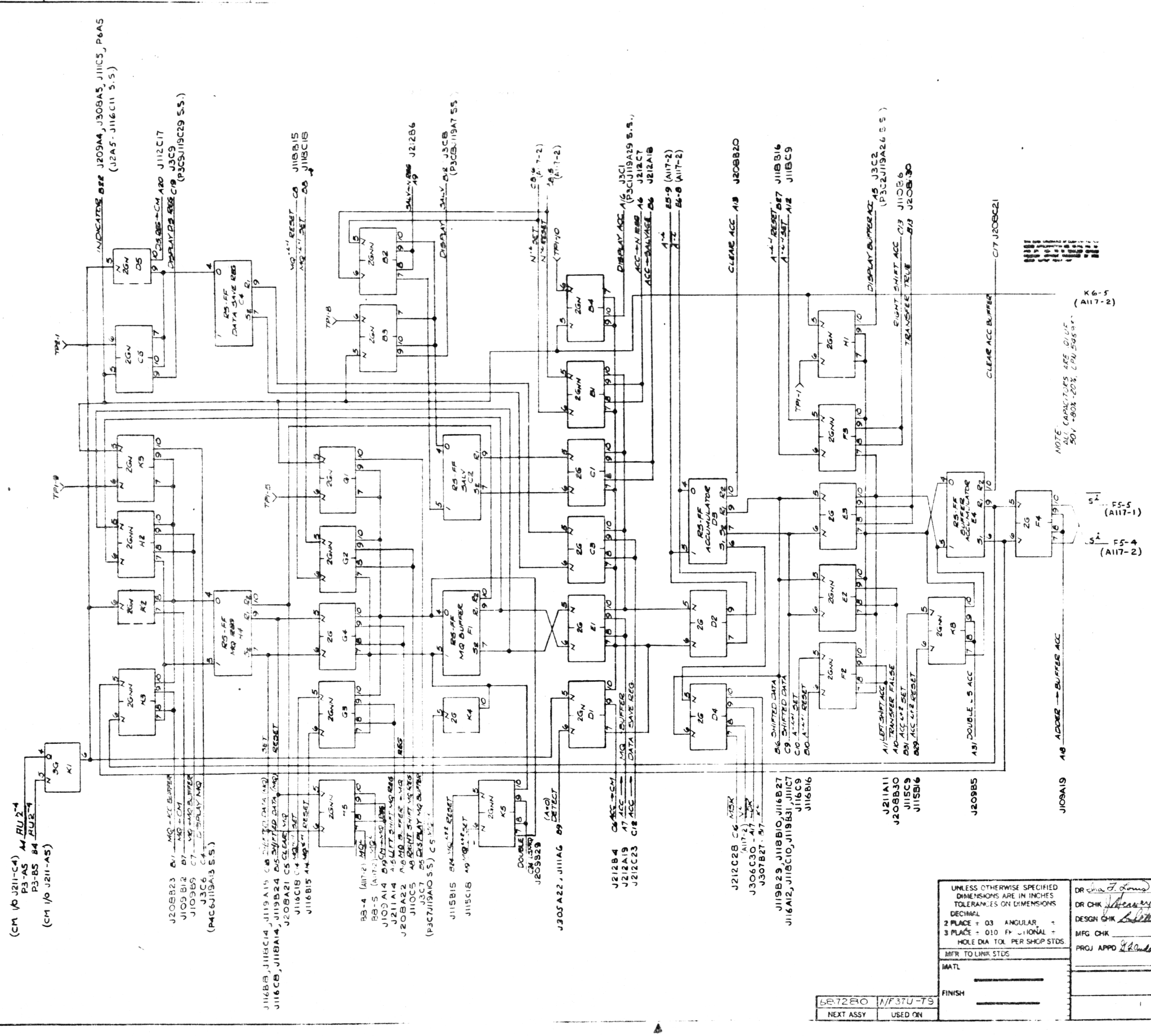
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC
BINGHAMTON, NEW YORK

LOGIC DIAGRAM ARITHMETIC UNIT BIT 2-3 (i=3)

SIZE D | CODE IDENT NO 36378 | DWG NO B688040E | SHEET 34

6B7280 A/F37U-T9 NEXT ASSY

FORM NO. F 1474-48

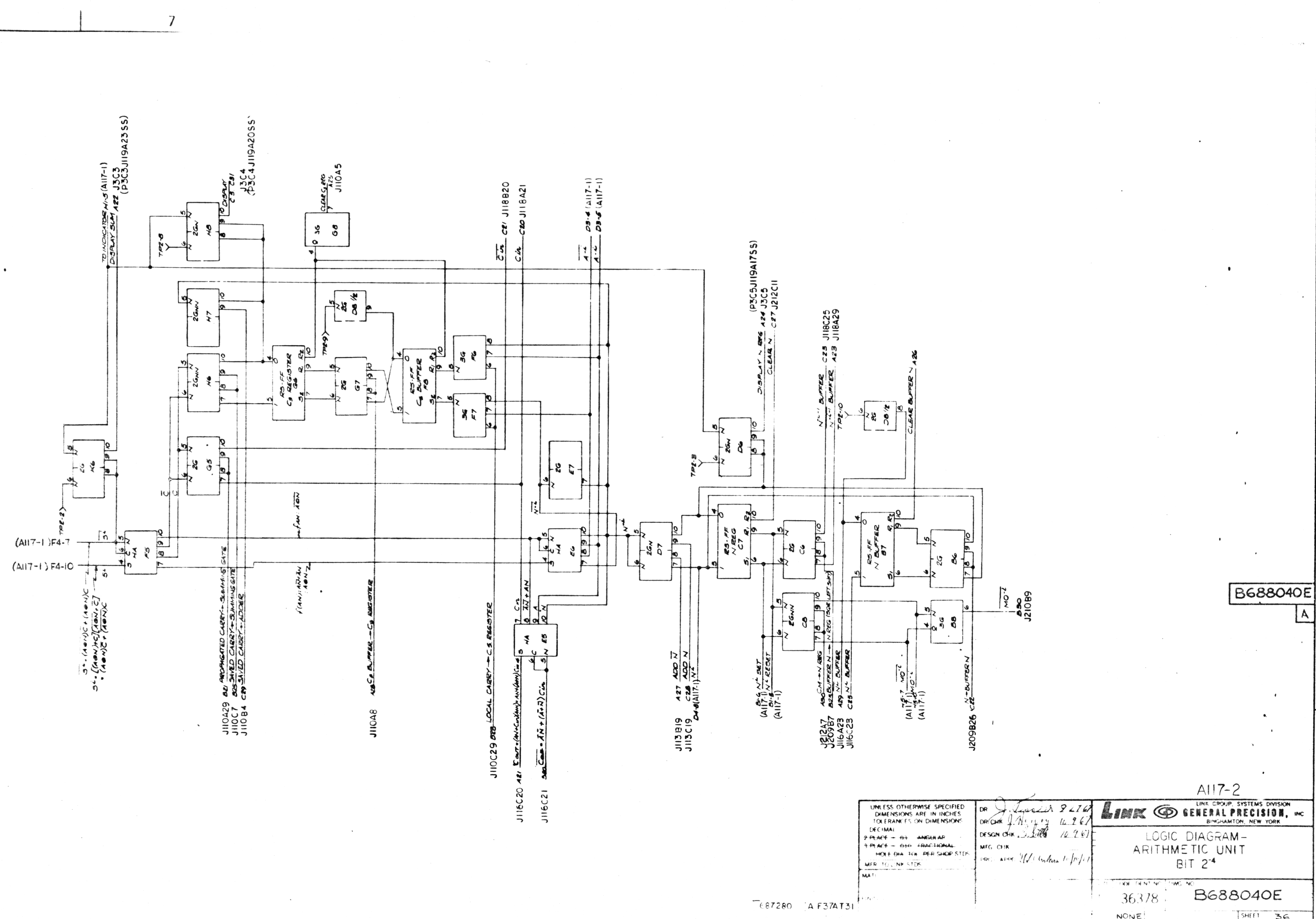


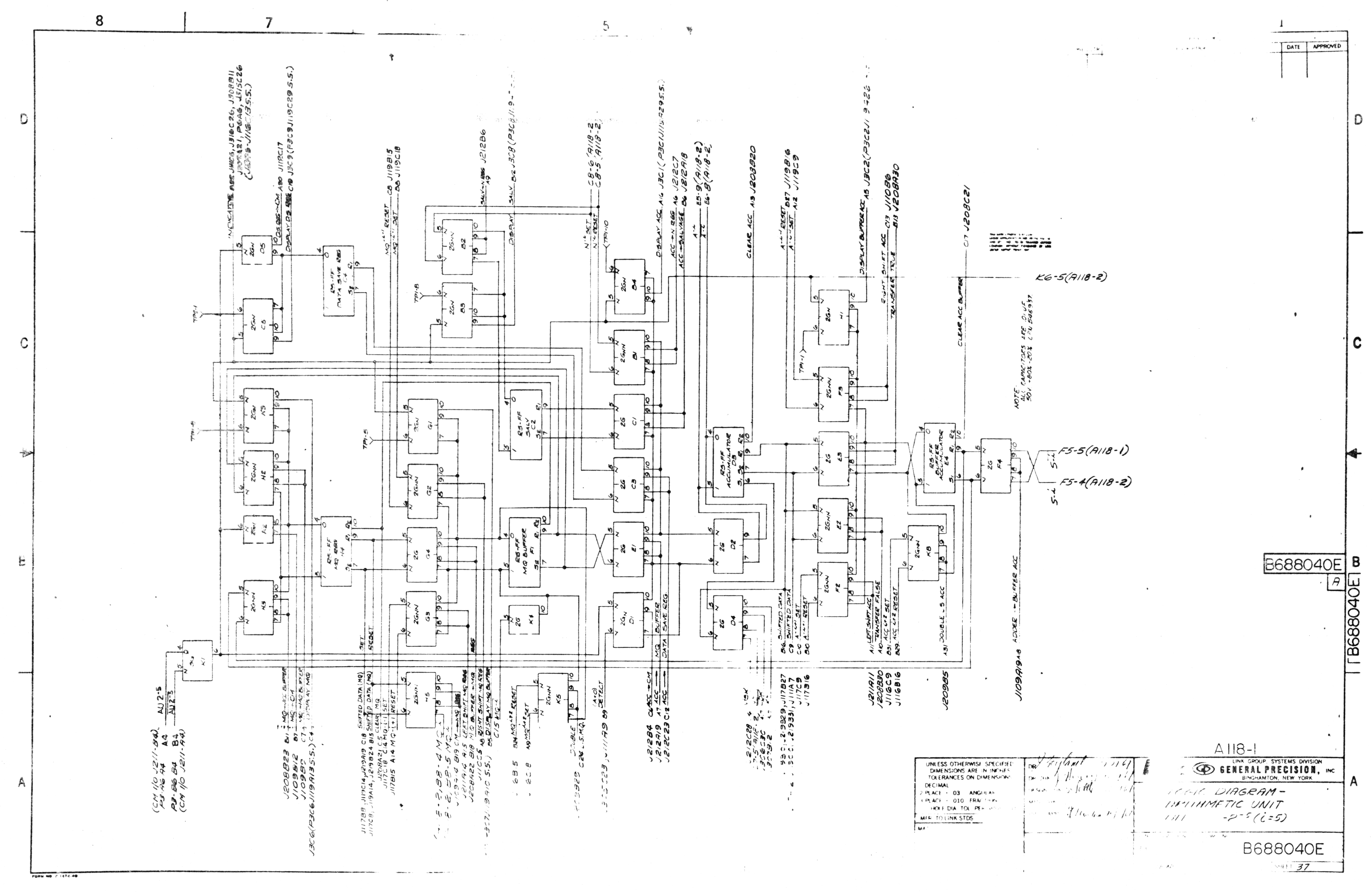
B688040E

A117-1

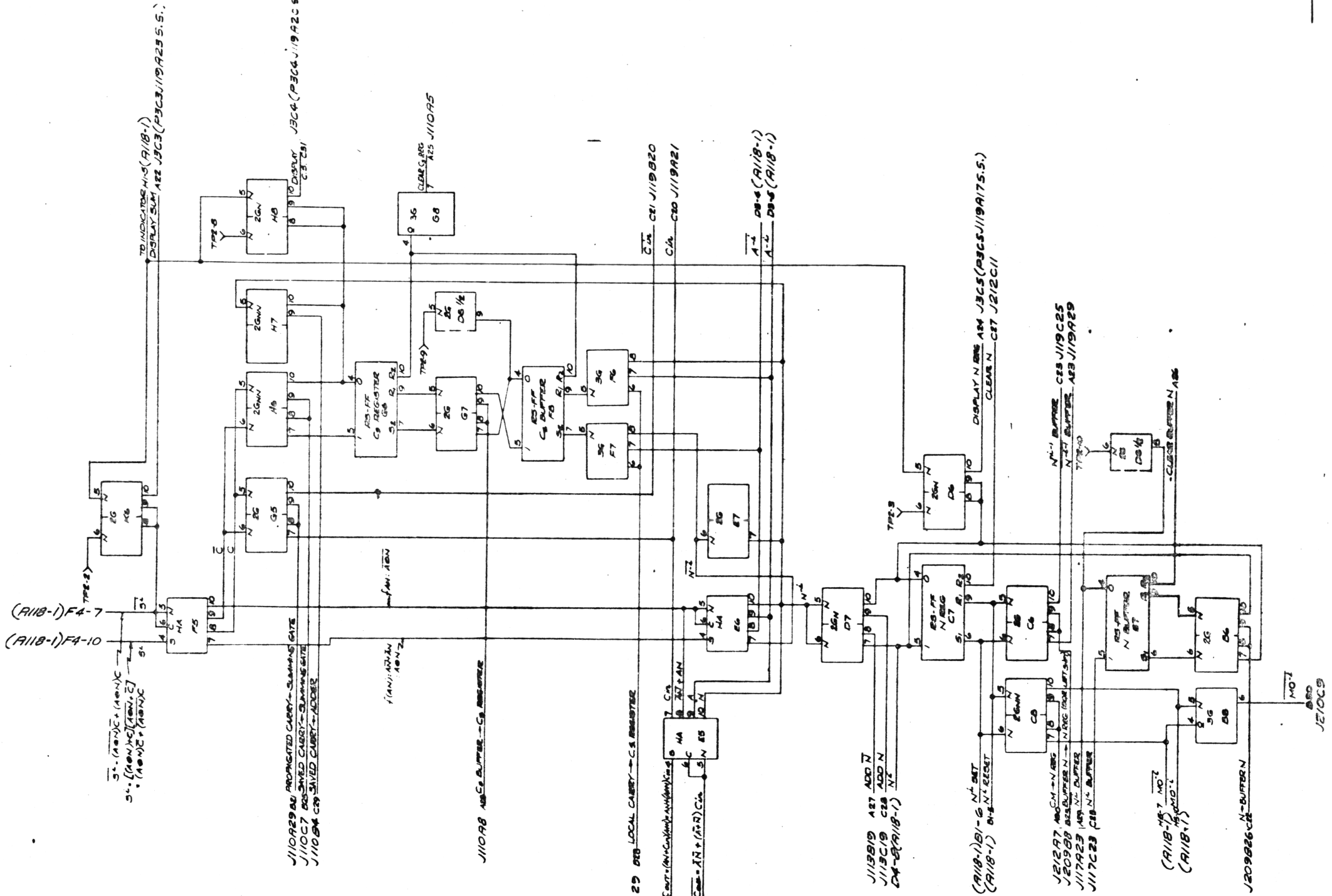
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS. MFR TO LINK STDS. MATL FINISH	DR Lina T. Lomas 9-28-67 DR CHK [illegible] 10 9 67 DESGN CHK [illegible] 10-10-67 MFG CHK PROJ APPD [illegible] 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC BINGHAMTON, NEW YORK
		LOGIC DIAGRAM ARITHMETIC UNIT BIT 2^{-4} $(i = 4)$
68-7280 NF3TU-TS NEXT ASSY USED ON		SIZE D CODE IDENT NO 36378 DWG. NO. B 688040E SCALE NONE SHEET 35

FORM NO. F 1474 48


8
7
D
C
B
A
INDICATE BIT 5 (A117-1)
DISPLAY SUM A22
J5C3
(P3C3J119A23SS)
J5C4
(P3C4J119A20SS)
CLEAR S REG A25
J110A5
C21 J118B20
C20 J118A21
D3-4 (A117-1)
D3-5 (A117-1)
(P3C5J119A17SS)
J5C5
C27 J212C11
DISPLAY N REG A24
CLEAR N
N+1 BUFFER C25 J118C25
N+1 BUFFER A23 J118A29
CLEAR BUFFER N A26
TPE-2
TPE-3
TPE-10
TPE-9
(A117-1) F4-7
(A117-1) F4-10
J110A29 B21 PROPAGATED CARRY→SUMMING GATE
J110C7 B28 SAVED CARRY→SUMMING GATE
J110B4 C29 SAVED CARRY→ADDER
J110A8 A26 C-S BUFFER→C-S REGISTER
J110C29 B28 LOCAL CARRY→C-S REGISTER
J116C20 A21
J116C21
J113B19 A27 ADD N
J113C19 C28 ADD N
D4-8 (A117-1) N+2
(A117-1) N+2 RESET
J212A7 B23 BUFFER N→N REG (FOR LEFT SHIFT)
J209B7 A29 N+1 BUFFER
J116A23 C19 N+1 BUFFER
J116C23
(A117-1) N+1 SHIFT
J209B26 C22 N+1 BUFFER N
J210B9
B688040E
A
B688040E
A117-2
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR
3 PLACE ± .010 FRACTIONAL
HOLE DIA TOL PER SHOP STDS
MFR TO LINK STDS
MATL
DR
DR CHK
DESGN CHK
MFG CHK
LINK GROUP, SYSTEMS DIVISION
LINK GENERAL PRECISION, INC
BINGHAMTON, NEW YORK
LOGIC DIAGRAM-
ARITHMETIC UNIT
BIT 2-4
IDENT NO 36378
DWG NO B688040E
NONE
SHEET 36
C87280 A F37AT31
FORM NO F 1474-48


8
7
5
1
DATE
APPROVED
D
C
B
A
INCREMENT ACC (J1C26, J1C28, J1C29, J1C30, J1C31, J1C32, J1C33, J1C34, J1C35)
DISPLAY B2 (P3C9 J1C29 S.S.)
DISPLAY B3 (P3C9 J1C29 S.S.)
MQ-1 RESET
MQ-1 SET
DISPLAY
DISPLAY ACC A16 J3C (P3C11 J1C29 S.S.)
ACC = SALVAGE
CLEAR ACC A13 J203920
A-1 RESET
A-1 SET
DISPLAY BUFFER ACC A5 J3C2 (P3C21 J1C29 S.S.)
RIGHT SHIFT ACC
TRANSFER TRUE
CLEAR ACC BUFFER
A13 J203C21
K6-5(A118-2)
F5-5(A118-1)
F5-4(A118-2)
NOTE
ALL CAPACITORS ARE 0.1 μF
50V -80% +20%
J1C29 S.S.
J1C35)
J1C36(P3C6 J1C29 S.S.)
J1C37(P3C6 J1C29 S.S.)
J1C38(P3C6 J1C29 S.S.)
J1C39(P3C6 J1C29 S.S.)
J1C40(P3C6 J1C29 S.S.)
J1C41(P3C6 J1C29 S.S.)
J1C42(P3C6 J1C29 S.S.)
J1C43(P3C6 J1C29 S.S.)
J1C44(P3C6 J1C29 S.S.)
J1C45(P3C6 J1C29 S.S.)
J1C46(P3C6 J1C29 S.S.)
J1C47(P3C6 J1C29 S.S.)
J1C48(P3C6 J1C29 S.S.)
J1C49(P3C6 J1C29 S.S.)
J1C50(P3C6 J1C29 S.S.)
J1C51(P3C6 J1C29 S.S.)
J1C52(P3C6 J1C29 S.S.)
J1C53(P3C6 J1C29 S.S.)
J1C54(P3C6 J1C29 S.S.)
J1C55(P3C6 J1C29 S.S.)
J1C56(P3C6 J1C29 S.S.)
J1C57(P3C6 J1C29 S.S.)
J1C58(P3C6 J1C29 S.S.)
J1C59(P3C6 J1C29 S.S.)
J1C60(P3C6 J1C29 S.S.)
J1C61(P3C6 J1C29 S.S.)
J1C62(P3C6 J1C29 S.S.)
J1C63(P3C6 J1C29 S.S.)
J1C64(P3C6 J1C29 S.S.)
J1C65(P3C6 J1C29 S.S.)
J1C66(P3C6 J1C29 S.S.)
J1C67(P3C6 J1C29 S.S.)
J1C68(P3C6 J1C29 S.S.)
J1C69(P3C6 J1C29 S.S.)
J1C70(P3C6 J1C29 S.S.)
J1C71(P3C6 J1C29 S.S.)
J1C72(P3C6 J1C29 S.S.)
J1C73(P3C6 J1C29 S.S.)
J1C74(P3C6 J1C29 S.S.)
J1C75(P3C6 J1C29 S.S.)
J1C76(P3C6 J1C29 S.S.)
J1C77(P3C6 J1C29 S.S.)
J1C78(P3C6 J1C29 S.S.)
J1C79(P3C6 J1C29 S.S.)
J1C80(P3C6 J1C29 S.S.)
J1C81(P3C6 J1C29 S.S.)
J1C82(P3C6 J1C29 S.S.)
J1C83(P3C6 J1C29 S.S.)
J1C84(P3C6 J1C29 S.S.)
J1C85(P3C6 J1C29 S.S.)
J1C86(P3C6 J1C29 S.S.)
J1C87(P3C6 J1C29 S.S.)
J1C88(P3C6 J1C29 S.S.)
J1C89(P3C6 J1C29 S.S.)
J1C90(P3C6 J1C29 S.S.)
J1C91(P3C6 J1C29 S.S.)
J1C92(P3C6 J1C29 S.S.)
J1C93(P3C6 J1C29 S.S.)
J1C94(P3C6 J1C29 S.S.)
J1C95(P3C6 J1C29 S.S.)
J1C96(P3C6 J1C29 S.S.)
J1C97(P3C6 J1C29 S.S.)
J1C98(P3C6 J1C29 S.S.)
J1C99(P3C6 J1C29 S.S.)
J1C100(P3C6 J1C29 S.S.)
J1C101(P3C6 J1C29 S.S.)
J1C102(P3C6 J1C29 S.S.)
J1C103(P3C6 J1C29 S.S.)
J1C104(P3C6 J1C29 S.S.)
J1C105(P3C6 J1C29 S.S.)
J1C106(P3C6 J1C29 S.S.)
J1C107(P3C6 J1C29 S.S.)
J1C108(P3C6 J1C29 S.S.)
J1C109(P3C6 J1C29 S.S.)
J1C110(P3C6 J1C29 S.S.)
J1C111(P3C6 J1C29 S.S.)
J1C112(P3C6 J1C29 S.S.)
J1C113(P3C6 J1C29 S.S.)
J1C114(P3C6 J1C29 S.S.)
J1C115(P3C6 J1C29 S.S.)
J1C116(P3C6 J1C29 S.S.)
J1C117(P3C6 J1C29 S.S.)
J1C118(P3C6 J1C29 S.S.)
J1C119(P3C6 J1C29 S.S.)
J1C120(P3C6 J1C29 S.S.)
J1C121(P3C6 J1C29 S.S.)
J1C122(P3C6 J1C29 S.S.)
J1C123(P3C6 J1C29 S.S.)
J1C124(P3C6 J1C29 S.S.)
J1C125(P3C6 J1C29 S.S.)
J1C126(P3C6 J1C29 S.S.)
J1C127(P3C6 J1C29 S.S.)
J1C128(P3C6 J1C29 S.S.)
J1C129(P3C6 J1C29 S.S.)
J1C130(P3C6 J1C29 S.S.)
J1C131(P3C6 J1C29 S.S.)
J1C132(P3C6 J1C29 S.S.)
J1C133(P3C6 J1C29 S.S.)
J1C134(P3C6 J1C29 S.S.)
J1C135(P3C6 J1C29 S.S.)
J1C136(P3C6 J1C29 S.S.)
J1C137(P3C6 J1C29 S.S.)
J1C138(P3C6 J1C29 S.S.)
J1C139(P3C6 J1C29 S.S.)
J1C140(P3C6 J1C29 S.S.)
J1C141(P3C6 J1C29 S.S.)
J1C142(P3C6 J1C29 S.S.)
J1C143(P3C6 J1C29 S.S.)
J1C144(P3C6 J1C29 S.S.)
J1C145(P3C6 J1C29 S.S.)
J1C146(P3C6 J1C29 S.S.)
J1C147(P3C6 J1C29 S.S.)
J1C148(P3C6 J1C29 S.S.)
J1C149(P3C6 J1C29 S.S.)
J1C150(P3C6 J1C29 S.S.)
J1C151(P3C6 J1C29 S.S.)
J1C152(P3C6 J1C29 S.S.)
J1C153(P3C6 J1C29 S.S.)
J1C154(P3C6 J1C29 S.S.)
J1C155(P3C6 J1C29 S.S.)
J1C156(P3C6 J1C29 S.S.)
J1C157(P3C6 J1C29 S.S.)
J1C158(P3C6 J1C29 S.S.)
J1C159(P3C6 J1C29 S.S.)
J1C160(P3C6 J1C29 S.S.)
J1C161(P3C6 J1C29 S.S.)
J1C162(P3C6 J1C29 S.S.)
J1C163(P3C6 J1C29 S.S.)
J1C164(P3C6 J1C29 S.S.)
J1C165(P3C6 J1C29 S.S.)
J1C166(P3C6 J1C29 S.S.)
J1C167(P3C6 J1C29 S.S.)
J1C168(P3C6 J1C29 S.S.)
J1C169(P3C6 J1C29 S.S.)
J1C170(P3C6 J1C29 S.S.)
J1C171(P3C6 J1C29 S.S.)
J1C172(P3C6 J1C29 S.S.)
J1C173(P3C6 J1C29 S.S.)
J1C174(P3C6 J1C29 S.S.)
J1C175(P3C6 J1C29 S.S.)
J1C176(P3C6 J1C29 S.S.)
J1C177(P3C6 J1C29 S.S.)
J1C178(P3C6 J1C29 S.S.)
J1C179(P3C6 J1C29 S.S.)
J1C180(P3C6 J1C29 S.S.)
J1C181(P3C6 J1C29 S.S.)
J1C182(P3C6 J1C29 S.S.)
J1C183(P3C6 J1C29 S.S.)
J1C184(P3C6 J1C29 S.S.)
J1C185(P3C6 J1C29 S.S.)
J1C186(P3C6 J1C29 S.S.)
J1C187(P3C6 J1C29 S.S.)
J1C188(P3C6 J1C29 S.S.)
J1C189(P3C6 J1C29 S.S.)
J1C190(P3C6 J1C29 S.S.)
J1C191(P3C6 J1C29 S.S.)
J1C192(P3C6 J1C29 S.S.)
J1C193(P3C6 J1C29 S.S.)
J1C194(P3C6 J1C29 S.S.)
J1C195(P3C6 J1C29 S.S.)
J1C196(P3C6 J1C29 S.S.)
J1C197(P3C6 J1C29 S.S.)
J1C198(P3C6 J1C29 S.S.)
J1C199(P3C6 J1C29 S.S.)
J1C200(P3C6 J1C29 S.S.)
J1C201(P3C6 J1C29 S.S.)
J1C202(P3C6 J1C29 S.S.)
J1C203(P3C6 J1C29 S.S.)
J1C204(P3C6 J1C29 S.S.)
J1C205(P3C6 J1C29 S.S.)
J1C206(P3C6 J1C29 S.S.)
J1C207(P3C6 J1C29 S.S.)
J1C208(P3C6 J1C29 S.S.)
J1C209(P3C6 J1C29 S.S.)
J1C210(P3C6 J1C29 S.S.)
J1C211(P3C6 J1C29 S.S.)
J1C212(P3C6 J1C29 S.S.)
J1C213(P3C6 J1C29 S.S.)
J1C214(P3C6 J1C29 S.S.)
J1C215(P3C6 J1C29 S.S.)
J1C216(P3C6 J1C29 S.S.)
J1C217(P3C6 J1C29 S.S.)
J1C218(P3C6 J1C29 S.S.)
J1C219(P3C6 J1C29 S.S.)
J1C220(P3C6 J1C29 S.S.)
J1C221(P3C6 J1C29 S.S.)
J1C222(P3C6 J1C29 S.S.)
J1C223(P3C6 J1C29 S.S.)
J1C224(P3C6 J1C29 S.S.)
J1C225(P3C6 J1C29 S.S.)
J1C226(P3C6 J1C29 S.S.)
J1C227(P3C6 J1C29 S.S.)
J1C228(P3C6 J1C29 S.S.)
J1C229(P3C6 J1C29 S.S.)
J1C230(P3C6 J1C29 S.S.)
J1C231(P3C6 J1C29 S.S.)
J1C232(P3C6 J1C29 S.S.)
J1C233(P3C6 J1C29 S.S.)
J1C234(P3C6 J1C29 S.S.)
J1C235(P3C6 J1C29 S.S.)
J1C236(P3C6 J1C29 S.S.)
J1C237(P3C6 J1C29 S.S.)
J1C238(P3C6 J1C29 S.S.)
J1C239(P3C6 J1C29 S.S.)
J1C240(P3C6 J1C29 S.S.)
J1C241(P3C6 J1C29 S.S.)
J1C242(P3C6 J1C29 S.S.)
J1C243(P3C6 J1C29 S.S.)
J1C244(P3C6 J1C29 S.S.)
J1C245(P3C6 J1C29 S.S.)
J1C246(P3C6 J1C29 S.S.)
J1C247(P3C6 J1C29 S.S.)
J1C248(P3C6 J1C29 S.S.)
J1C249(P3C6 J1C29 S.S.)
J1C250(P3C6 J1C29 S.S.)
J1C251(P3C6 J1C29 S.S.)
J1C252(P3C6 J1C29 S.S.)
J1C253(P3C6 J1C29 S.S.)
J1C254(P3C6 J1C29 S.S.)
J1C255(P3C6 J1C29 S.S.)
J1C256(P3C6 J1C29 S.S.)
J1C257(P3C6 J1C29 S.S.)
J1C258(P3C6 J1C29 S.S.)
J1C259(P3C6 J1C29 S.S.)
J1C260(P3C6 J1C29 S.S.)
J1C261(P3C6 J1C29 S.S.)
J1C262(P3C6 J1C29 S.S.)
J1C263(P3C6 J1C29 S.S.)
J1C264(P3C6 J1C29 S.S.)
J1C265(P3C6 J1C29 S.S.)
J1C266(P3C6 J1C29 S.S.)
J1C267(P3C6 J1C29 S.S.)
J1C268(P3C6 J1C29 S.S.)
J1C269(P3C6 J1C29 S.S.)
J1C270(P3C6 J1C29 S.S.)
J1C271(P3C6 J1C29 S.S.)
J1C272(P3C6 J1C29 S.S.)
J1C273(P3C6 J1C29 S.S.)
J1C274(P3C6 J1C29 S.S.)
J1C275(P3C6 J1C29 S.S.)
J1C276(P3C6 J1C29 S.S.)
J1C277(P3C6 J1C29 S.S.)
J1C278(P3C6 J1C29 S.S.)
J1C279(P3C6 J1C29 S.S.)
J1C280(P3C6 J1C29 S.S.)
J1C281(P3C6 J1C29 S.S.)
J1C282(P3C6 J1C29 S.S.)
J1C283(P3C6 J1C29 S.S.)
J1C284(P3C6 J1C29 S.S.)
J1C285(P3C6 J1C29 S.S.)
J1C286(P3C6 J1C29 S.S.)
J1C287(P3C6 J1C29 S.S.)
J1C288(P3C6 J1C29 S.S.)
J1C289(P3C6 J1C29 S.S.)
J1C290(P3C6 J1C29 S.S.)
J1C291(P3C6 J1C29 S.S.)
J1C292(P3C6 J1C29 S.S.)
J1C293(P3C6 J1C29 S.S.)
J1C294(P3C6 J1C29 S.S.)
J1C295(P3C6 J1C29 S.S.)
J1C296(P3C6 J1C29 S.S.)
J1C297(P3C6 J1C29 S.S.)
J1C298(P3C6 J1C29 S.S.)
J1C299(P3C6 J1C29 S.S.)
J1C300(P3C6 J1C29 S.S.)
J1C301(P3C6 J1C29 S.S.)
J1C302(P3C6 J1C29 S.S.)
J1C303(P3C6 J1C29 S.S.)
J1C304(P3C6 J1C29 S.S.)
J1C305(P3C6 J1C29 S.S.)
J1C306(P3C6 J1C29 S.S.)
J1C307(P3C6 J1C29 S.S.)
J1C308(P3C6 J1C29 S.S.)
J1C309(P3C6 J1C29 S.S.)
J1C310(P3C6 J1C29 S.S.)
J1C311(P3C6 J1C29 S.S.)
J1C312(P3C6 J1C29 S.S.)
J1C313(P3C6 J1C29 S.S.)
J1C314(P3C6 J1C29 S.S.)
J1C315(P3C6 J1C29 S.S.)
J1C316(P3C6 J1C29 S.S.)
J1C317(P3C6 J1C29 S.S.)
J1C318(P3C6 J1C29 S.S.)
J1C319(P3C6 J1C29 S.S.)
J1C320(P3C6 J1C29 S.S.)
J1C321(P3C6 J1C29 S.S.)
J1C322(P3C6 J1C29 S.S.)
J1C323(P3C6 J1C29 S.S.)
J1C324(P3C6 J1C29 S.S.)
J1C325(P3C6 J1C29 S.S.)
J1C326(P3C6 J1C29 S.S.)
J1C327(P3C6 J1C29 S.S.)
J1C328(P3C6 J1C29 S.S.)
J1C329(P3C6 J1C29 S.S.)
J1C330(P3C6 J1C29 S.S.)
J1C331(P3C6 J1C29 S.S.)
J1C332(P3C6 J1C29 S.S.)
J1C333(P3C6 J1C29 S.S.)
J1C334(P3C6 J1C29 S.S.)
J1C335(P3C6 J1C29 S.S.)
J1C336(P3C6 J1C29 S.S.)
J1C337(P3C6 J1C29 S.S.)
J1C338(P3C6 J1C29 S.S.)
J1C339(P3C6 J1C29 S.S.)
J1C340(P3C6 J1C29 S.S.)
J1C341(P3C6 J1C29 S.S.)
J1C342(P3C6 J1C29 S.S.)
J1C343(P3C6 J1C29 S.S.)
J1C344(P3C6 J1C29 S.S.)
J1C345(P3C6 J1C29 S.S.)
J1C346(P3C6 J1C29 S.S.)
J1C347(P3C6 J1C29 S.S.)
J1C348(P3C6 J1C29 S.S.)
J1C349(P3C6 J1C29 S.S.)
J1C350(P3C6 J1C29 S.S.)
J1C351(P3C6 J1C29 S.S.)
J1C352(P3C6 J1C29 S.S.)
J1C353(P3C6 J1C29 S.S.)
J1C354(P3C6 J1C29 S.S.)
J1C355(P3C6 J1C29 S.S.)
J1C356(P3C6 J1C29 S.S.)
J1C357(P3C6 J1C29 S.S.)
J1C358(P3C6 J1C29 S.S.)
J1C359(P3C6 J1C29 S.S.)
J1C360(P3C6 J1C29 S.S.)
J1C361(P3C6 J1C29 S.S.)
J1C362(P3C6 J1C29 S.S.)
J1C363(P3C6 J1C29 S.S.)
J1C364(P3C6 J1C29 S.S.)
J1C365(P3C6 J1C29 S.S.)
J1C366(P3C6 J1C29 S.S.)
J1C367(P3C6 J1C29 S.S.)
J1C368(P3C6 J1C29 S.S.)
J1C369(P3C6 J1C29 S.S.)
J1C370(P3C6 J1C29 S.S.)
J1C371(P3C6 J1C29 S.S.)
J1C372(P3C6 J1C29 S.S.)
J1C373(P3C6 J1C29 S.S.)
J1C374(P3C6 J1C29 S.S.)
J1C375(P3C6 J1C29 S.S.)
J1C376(P3C6 J1C29 S.S.)
J1C377(P3C6 J1C29 S.S.)
J1C378(P3C6 J1C29 S.S.)
J1C379(P3C6 J1C29 S.S.)
J1C380(P3C6 J1C29 S.S.)
J1C381(P3C6 J1C29 S.S.)
J1C382(P3C6 J1C29 S.S.)
J1C383(P3C6 J1C29 S.S.)
J1C384(P3C6 J1C29 S.S.)
J1C385(P3C6 J1C29 S.S.)
J1C386(P3C6 J1C29 S.S.)
J1C387(P3C6 J1C29 S.S.)
J1C388(P3C6 J1C29 S.S.)
J1C389(P3C6 J1C29 S.S.)
J1C390(P3C6 J1C29 S.S.)
J1C391(P3C6 J1C29 S.S.)
J1C392(P3C6 J1C29 S.S.)
J1C393(P3C6 J1C29 S.S.)
J1C394(P3C6 J1C29 S.S.)
J1C395(P3C6 J1C29 S.S.)
J1C396(P3C6 J1C29 S.S.)
J1C397(P3C6 J1C29 S.S.)
J1C398(P3C6 J1C29 S.S.)
J1C399(P3C6 J1C29 S.S.)
J1C400(P3C6 J1C29 S.S.)
J1C401(P3C6 J1C29 S.S.)
J1C402(P3C6 J1C29 S.S.)
J1C403(P3C6 J1C29 S.S.)
J1C404(P3C6 J1C29 S.S.)
J1C405(P3C6 J1C29 S.S.)
J1C406(P3C6 J1C29 S.S.)
J1C407(P3C6 J1C29 S.S.)
J1C408(P3C6 J1C29 S.S.)
J1C409(P3C6 J1C29 S.S.)
J1C410(P3C6 J1C29 S.S.)
J1C411(P3C6 J1C29 S.S.)
J1C412(P3C6 J1C29 S.S.)
J1C413(P3C6 J1C29 S.S.)
J1C414(P3C6 J1C29 S.S.)
J1C415(P3C6 J1C29 S.S.)
J1C416(P3C6 J1C29 S.S.)
J1C417(P3C6 J1C29 S.S.)
J1C418(P3C6 J1C29 S.S.)
J1C419(P3C6 J1C29 S.S.)
J1C420(P3C6 J1C29 S.S.)
J1C421(P3C6 J1C29 S.S.)
J1C422(P3C6 J1C29 S.S.)
J1C423(P3C6 J1C29 S.S.)
J1C424(P3C6 J1C29 S.S.)
J1C425(P3C6 J1C29 S.S.)
J1C426(P3C6 J1C29 S.S.)
J1C427(P3C6 J1C29 S.S.)
J1C428(P3C6 J1C29 S.S.)
J1C429(P3C6 J1C29 S.S.)
J1C430(P3C6 J1C29 S.S.)
J1C431(P3C6 J1C29 S.S.)
J1C432(P3C6 J1C29 S.S.)
J1C433(P3C6 J1C29 S.S.)
J1C434(P3C6 J1C29 S.S.)
J1C435(P3C6 J1C29 S.S.)
J1C436(P3C6 J1C29 S.S.)
J1C437(P3C6 J1C29 S.S.)
J1C438(P3C6 J1C29 S.S.)
J1C439(P3C6 J1C29 S.S.)
J1C440(P3C6 J1C29 S.S.)
J1C441(P3C6 J1C29 S.S.)
J1C442(P3C6 J1C29 S.S.)
J1C443(P3C6 J1C29 S.S.)
J1C444(P3C6 J1C29 S.S.)
J1C445(P3C6 J1C29 S.S.)
J1C446(P3C6 J1C29 S.S.)
J1C447(P3C6 J1C29 S.S.)
J1C448(P3C6 J1C29 S.S.)
J1C449(P3C6 J1C29 S.S.)
J1C450(P3C6 J1C29 S.S.)
J1C451(P3C6 J1C29 S.S.)
J1C452(P3C6 J1C29 S.S.)
J1C453(P3C6 J1C29 S.S.)
J1C454(P3C6 J1C29 S.S.)
J1C455(P3C6 J1C29 S.S.)
J1C456(P3C6 J1C29 S.S.)
J1C457(P3C6 J1C29 S.S.)
J1C458(P3C6 J1C29 S.S.)
J1C459(P3C6 J1C29 S.S.)
J1C460(P3C6 J1C29 S.S.)
J1C461(P3C6 J1C29 S.S.)
J1C462(P3C6 J1C29 S.S.)
J1C463(P3C6 J1C29 S.S.)
J1C464(P3C6 J1C29 S.S.)
J1C465(P3C6 J1C29 S.S.)
J1C466(P3C6 J1C29 S.S.)
J1C467(P3C6 J1C29 S.S.)
J1C468(P3C6 J1C29 S.S.)
J1C469(P3C6 J1C29 S.S.)
J1C470(P3C6 J1C29 S.S.)
J1C471(P3C6 J1C29 S.S.)
J1C472(P3C6 J1C29 S.S.)
J1C473(P3C6 J1C29 S.S.)
J1C474(P3C6 J1C29 S.S.)
J1C475(P3C6 J1C29 S.S.)
J1C476(P3C6 J1C29 S.S.)
J1C477(P3C6 J1C29 S.S.)
J1C478(P3C6 J1C29 S.S.)
J1C479(P3C6 J1C29 S.S.)
J1C480(P3C6 J1C29 S.S.)
J1C481(P3C6 J1C29 S.S.)
J1C482(P3C6 J1C29 S.S.)
J1C483(P3C6 J1C29 S.S.)
J1C484(P3C6 J1C29 S.S.)
J1C485(P3C6 J1C29 S.S.)
J1C486(P3C6 J1C29 S.S.)
J1C487(P3C6 J1C29 S.S.)
J1C488(P3C6 J1C29 S.S.)
J1C489(P3C6 J1C29 S.S.)
J1C490(P3C6 J1C29 S.S.)
J1C491(P3C6 J1C29 S.S.)
J1C492(P3C6 J1C29 S.S.)
J1C493(P3C6 J1C29 S.S.)
J1C494(P3C6 J1C29 S.S.)
J1C495(P3C6 J1C29 S.S.)
J1C496(P3C6 J1C29 S.S.)
J1C497(P3C6 J1C29 S.S.)
J1C498(P3C6 J1C29 S.S.)
J1C499(P3C6 J1C29 S.S.)
J1C500(P3C6 J1C29 S.S.)
J1C501(P3C6 J1C29 S.S.)
J1C502(P3C6 J1C29 S.S.)
J1C503(P3C6 J1C29 S.S.)
J1C504(P3C6 J1C29 S.S.)
J1C505(P3C6 J1C29 S.S.)
J1C506(P3C6 J1C29 S.S.)
J1C507(P3C6 J1C29 S.S.)
J1C508(P3C6 J1C29 S.S.)
J1C509(P3C6 J1C29 S.S.)
J1C510(P3C6 J1C29 S.S.)
J1C511(P3C6 J1C29 S.S.)
J1C512(P3C6 J1C29 S.S.)
J1C513(P3C6 J1C29 S.S.)
J1C514(P3C6 J1C29 S.S.)
J1C515(P3C6 J1C29 S.S.)
J1C516(P3C6 J1C29 S.S.)
J1C517(P3C6 J1C29 S.S.)
J1C518(P3C6 J1C29 S.S.)
J1C519(P3C6 J1C29 S.S.)
J1C520(P3C6 J1C29 S.S.)
J1C521(P3C6 J1C29 S.S.)
J1C522(P3C6 J1C29 S.S.)
J1C523(P3C6 J1C29 S.S.)
J1C524(P3C6 J1C29 S.S.)
J1C525(P3C6 J1C29 S.S.)
J1C526(P3C6 J1C29 S.S.)
J1C527(P3C6 J1C29 S.S.)
J1C528(P3C6 J1C29 S.S.)
J1C529(P3C6 J1C29 S.S.)
J1C530(P3C6 J1C29 S.S.)
J1C531(P3C6 J1C29 S.S.)
J1C532(P3C6 J1C29 S.S.)
J1C533(P3C6 J1C29 S.S.)
J1C534(P3C6 J1C29 S.S.)
J1C535(P3C6 J1C29 S.S.)
J1C536(P3C6 J1C29 S.S.)
J1C537(P3C6 J1C29 S.S.)
J1C538(P3C6 J1C29 S.S.)
J1C539(P3C6 J1C29 S.S.)
J1C540(P3C6 J1C29 S.S.)
J1C541(P3C6 J1C29 S.S.)
J1C542(P3C6 J1C29 S.S.)
J1C543(P3C6 J1C29 S.S.)
J1C544(P3C6 J1C29 S.S.)
J1C545(P3C6 J1C29 S.S.)
J1C546(P3C6 J1C29 S.S.)
J1C547(P3C6 J1C29 S.S.)
J1C548(P3C6 J1C29 S.S.)
J1C549(P3C6 J1C29 S.S.)
J1C550(P3C6 J1C29 S.S.)
J1C551(P3C6 J1C29 S.S.)
J1C552(P3C6 J1C29 S.S.)
J1C553(P3C6 J1C29 S.S.)
J1C554(P3C6 J1C29 S.S.)
J1C555(P3C6 J1C29 S.S.)
J1C556(P3C6 J1C29 S.S.)
J1C557(P3C6 J1C29 S.S.)
J1C558(P3C6 J1C29 S.S.)
J1C559(P3C6 J1C29 S.S.)
J1C560(P3C6 J1C29 S.S.)
J1C561(P3C6 J1C29 S.S.)
J1C562(P3C6 J1C29 S.S.)
J1C563(P3C6 J1C29 S.S.)
J1C564(P3C6 J1C29 S.S.)
J1C565(P3C6 J1C29 S.S.)
J1C566(P3C6 J1C29 S.S.)
J1C567(P3C6 J1C29 S.S.)
J1C568(P3C6 J1C29 S.S.)
J1C569(P3C6 J1C29 S.S.)
J1C570(P3C6 J1C29 S.S.)
J1C571(P3C6 J1C29 S.S.)
J1C572(P3C6 J1C29 S.S.)
J1C573(P3C6 J1C29 S.S.)
J1C574(P3C6 J1C29 S.S.)
J1C575(P3C6 J1C29 S.S.)
J1C576(P3C6 J1C29 S.S.)
J1C577(P3C6 J1C29 S.S.)
J1C578(P3C6 J1C29 S.S.)
J1C579(P3C6 J1C29 S.S.)
J1C580(P3C6 J1C29 S.S.)
J1C581(P3C6 J1C29 S.S.)
J1C582(P3C6 J1C29 S.S.)
J1C583(P3C6 J1C29 S.S.)
J1C584(P3C6 J1C29 S.S.)
J1C585(P3C6 J1C29 S.S.)
J1C586(P3C6 J1C29 S.S.)
J1C587(P3C6 J1C29 S.S.)
J1C588(P3C6 J1C29 S.S.)
J1C589(P3C6 J1C29 S.S.)
J1C590(P3C6 J1C29 S.S.)
J1C591(P3C6 J1C29 S.S.)
J1C592(P3C6 J1C29 S.S.)
J1C593(P3C6 J1C29 S.S.)
J1C594(P3C6 J1C29 S.S.)
J1C595(P3C6 J1C29 S.S.)
J1C596(P3C6 J1C29 S.S.)
J1C597(P3C6 J1C29 S.S.)
J1C598(P3C6 J1C29 S.S.)
J1C599(P3C6 J1C29 S.S.)
J1C600(P3C6 J1C29 S.S.)
J1C601(P3C6 J1C29 S.S.)
J1C602(P3C6 J1C29 S.S.)
J1C603(P3C6 J1C29 S.S.)
J1C604(P3C6 J1C29 S.S.)
J1C605(P3C6 J1C29 S.S.)
J1C606(P3C6 J1C29 S.S.)
J1C607(P3C6 J1C29 S.S.)
J1C608(P3C6 J1C29 S.S.)
J1C609(P3C6 J1C29 S.S.)
J1C610(P3C6 J1C29 S.S.)
J1C611(P3C6 J1C29 S.S.)
J1C612(P3C6 J1C29 S.S.)
J1C613(P3C6 J1C29 S.S.)
J1C614(P3C6 J1C29 S.S.)
J1C615(P3C6 J1C29 S.S.)
J1C616(P3C6 J1C29 S.S.)
J1C617(P3C6 J1C29 S.S.)
J1C618(P3C6 J1C29 S.S.)
J1C619(P3C6 J1C29 S.S.)
J1C620(P3C6 J1C29 S.S.)
J1C621(P3C6 J1C29 S.S.)
J1C622(P3C6 J1C29 S.S.)
J1C623(P3C6 J1C29 S.S.)
J1C624(P3C6 J1C29 S.S.)
J1C625(P3C6 J1C29 S.S.)
J1C626(P3C6 J1C29 S.S.)
J1C627(P3C6 J1C29 S.S.)
J1C628(P3C6 J1C29 S.S.)
J1C629(P3C6 J1C29 S.S.)
J1C630(P3C6 J1C29 S.S.)
J1C631(P3C6 J1C29 S.S.)
J1C632(P3C6 J1C29 S.S.)
J1C633(P3C6 J1C29 S.S.)
J1C634(P3C6 J1C29 S.S.)
J1C635(P3C6 J1C29 S.S.)
J1C636(P3C6 J1C29 S.S.)
J1C637(P3C6 J1C29 S.S.)
J1C638(P3C6 J1C29 S.S.)
J1C639(P3C6 J1C29 S.S.)
J1C640(P3C6 J1C29 S.S.)
J1C641(P3C6 J1C29 S.S.)
J1C642(P3C6 J1C29 S.S.)
J1C643(P3C6 J1C29 S.S.)
J1C644(P3C6 J1C29 S.S.)
J1C645(P3C6 J1C29 S.S.)
J1C646(P3C6 J1C29 S.S.)
J1C647(P3C6 J1C29 S.S.)
J1C648(P3C6 J1C29 S.S.)
J1C649(P3C6 J1C29 S.S.)
J1C650(P3C6 J1C29 S.S.)
J1C651(P3C6 J1C29 S.S.)
J1C652(P3C6 J1C29 S.S.)
J1C653(P3C6 J1C29 S.S.)
J1C654(P3C6 J1C29 S.S.)
J1C655(P3C6 J1C29 S.S.)
J1C656(P3C6 J1C29 S.S.)
J1C657(P3C6 J1C29 S.S.)
J1C658(P3C6 J1C29 S.S.)
J1C659(P3C6 J1C29 S.S.)
J1C660(P3C6 J1C29 S.S.)
J1C661(P3C6 J1C29 S.S.)
J1C662(P3C6 J1C29 S.S.)
J1C663(P3C6 J1C29 S.S.)
J1C664(P3C6 J1C29 S.S.)
J1C665(P3C6 J1C29 S.S.)
J1C666(P3C6 J1C29 S.S.)
J1C667(P3C6 J1C29 S.S.)
J1C668(P3C6 J1C29 S.S.)
J1C669(P3C6 J1C29 S.S.)
J1C670(P3C6 J1C29 S.S.)
J1C671(P3C6 J1C29 S.S.)
J1C672(P3C6 J1C29 S.S.)
J1C673(P3C6 J1C29 S.S.)
J1C674(P3C6 J1C29 S.S.)
J1C675(P3C6 J1C29 S.S.)
J1C676(P3C6 J1C29 S.S.)
J1C677(P3C6 J1C29 S.S.)
J1C678(P3C6 J1C29 S.S.)
J1C679(P3C6 J1C29 S.S.)
J1C680(P3C6 J1C29 S.S.)
J1C681(P3C6 J1C29 S.S.)
J1C682(P3C6 J1C29 S.S.)
J1C683(P3C6 J1C29 S.S.)
J1C684(P3C6 J1C29 S.S.)
J1C685(P3C6 J1C29 S.S.)
J1C686(P3C6 J1C29 S.S.)
J1C687(P3C6 J1C29 S.S.)
J1C688(P3C6 J1C29 S.S.)
J1C689(P3C6 J1C29 S.S.)
J1C690(P3C6 J1C29 S.S.)
J1C691(P3C6 J1C29 S.S.)
J1C692(P3C6 J1C29 S.S.)
J1C693(P3C6 J1C29 S.S.)
J1C694(P3C6 J1C29 S.S.)
J1C695(P3C6 J1C29 S.S.)
J1C696(P3C6 J1C29 S.S.)
J1C697(P3C6 J1C29 S.S.)
J1C698(P3C6 J1C29 S.S.)
J1C699(P3C6 J1C29 S.S.)
J1C700(P3C6 J1C29 S.S.)
J1C701(P3C6 J1C29 S.S.)
J1C702(P3C6 J1C29 S.S.)
J1C703(P3C6 J1C29 S.S.)
J1C704(P3C6 J1C29 S.S.)
J1C705(P3C6 J1C29 S.S.)
J1C706(P3C6 J1C29 S.S.)
J1C707(P3C6 J1C29 S.S.)
J1C708(P3C6 J1C29 S.S.)
J1C709(P3C6 J1C29 S.S.)
J1C710(P3C6 J1C29 S.S.)
J1C711(P3C6 J1C29 S.S.)
J1C712(P3C6 J1C29 S.S.)
J1C713(P3C6 J1C29 S.S.)
J1C714(P3C6 J1C29 S.S.)
J1C715(P3C6 J1C29 S.S.)
J1C716(P3C6 J1C29 S.S.)
J1C717(P3C6 J1C29 S.S.)
J1C718(P3C6 J1C29 S.S.)
J1C719(P3C6 J1C29 S.S.)
J1C720(P3C6 J1C29 S.S.)
J1C721(P3C6 J1C29 S.S.)
J1C722(P3C6 J1C29 S.S.)
J1C723(P3C6 J1C29 S.S.)
J1C724(P3C6 J1C29 S.S.)
J1C725(P3C6 J1C29 S.S.)
J1C726(P3C6 J1C29 S.S.)
J1C727(P3C6 J1C29 S.S.)
J1C728(P3C6 J1C29 S.S.)
J1C729(P3C6 J1C29 S.S.)
J1C730(P3C6 J1C29 S.S.)
J1C731(P3C6 J1C29 S.S.)
J1C732(P3C6 J1C29 S.S.)
J1C733(P3C6 J1C29 S.S.)
J1C734(P3C6 J1C29 S.S.)
J1C735(P3C6 J1C29 S.S.)
J1C736(P3C6 J1C29 S.S.)
J1C737(P3C6 J1C29 S.S.)
J1C738(P3C6 J1C29 S.S.)
J1C739(P3C6 J1C29 S.S.)
J1C740(P3C6 J1C29 S.S.)
J1C741(P3C6 J1C29 S.S.)
J1C742(P3C6 J1C29 S.S.)
J1C743(P3C6 J1C29 S.S.)
J1C744(P3C6 J1C29 S.S.)
J1C745(P3C6 J1C29 S.S.)
J1C746(P3C6 J1C29 S.S.)
J1C747(P3C6 J1C29 S.S.)
J1C748(P3C6 J1C29 S.S.)
J1C749(P3C6 J1C29 S.S.)
J1C750(P3C6 J1C29 S.S.)
J1C751(P3C6 J1C29 S.S.)
J1C752(P3C6 J1C29 S.S.)
J1C753(P3C6 J1C29 S.S.)
J1C754(P3C6 J1C29 S.S.)
J1C755(P3C6 J1C29 S.S.)
J1C756(P3C6 J1C29 S.S.)
J1C757(P3C6 J1C29 S.S.)
J1C758(P3C6 J1C29 S.S.)
J1C759(P3C6 J1C29 S.S.)
J1C760(P3C6 J1C29 S.S.)
J1C761(P3C6 J1C29 S.S.)
J1C762(P3C6 J1C29 S.S.)
J1C763(P3C6 J1C29 S.S.)
J1C764(P3C6 J1C29 S.S.)
J1C765(P3C6 J1C29 S.S.)
J1C766(P3C6 J1C29 S.S.)
J1C767(P3C6 J1C29 S.S.)
J1C768(P3C6 J1C29 S.S.)
J1C769(P3C6 J1C29 S.S.)
J1C770(P3C6 J1C29 S.S.)
J1C771(P3C6 J1C29 S.S.)
J1C772(P3C6 J1C29 S.S.)
J1C773(P3C6 J1C29 S.S.)
J1C774(P3C6 J1C29 S.S.)
J1C775(P3C6 J1C29

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E
A

1TB688040E1

A118-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS	DR J Barfield 10-3-67
MFR TO LINK STDS	DR CHK [illegible] 10-9-67
MAT'L	DESIGN CHK [illegible] 10-9-67
	MFG CHK
	PROJ APPD [illegible] 10/10/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM — ARITHMETIC UNIT BIT 2^{-5} (i=5)

SIZE	CODE IDENT NO.	DWG NO.
D	36378	B688040E

SCALE NONE SHEET 38

8 7

DATE	APPROVED

INDICATOR B22 J11B27, J31B22, J31SB22, P6A17 (J247-J16C15 S.S.)

(CM I/O U210-B5 P3-A7 AU2-A (CM I/O U210-C5) P3-B7 AU2-A

J2C9B23 J10B12 J10989 J3C6 (P3C6J19A13 S.S.)

J2C9B24 J2C8A21 J11BC18 J11B815

J11C14, J21B819 J11C13, J21B824 J11C15, J21B829 J11C16, J21B834

J109A14 J11A14 J10C5 J3C7 P3C7J119A10 S.S.)

J11B815 J11C16 J209B29 J11C18, J3C5C18

J212B29 J212A19 J2 2223 J118B27, J219B10, J21B829 J11A21, J21B831, J219C10, J11BA12 J11BC9 J11BB16

J212C28 J306C30 J307C17

J211A11 J208B30 J11TC9 J11TB16

J209B5

J109A19 A8

J208A30

J11086

J208C21

K6-5 (A119-2)

E5-5 (A119-1)

E5-4 (A119-2)

(A119-2)

(A119-2)

(A119-2)

(A119-2)

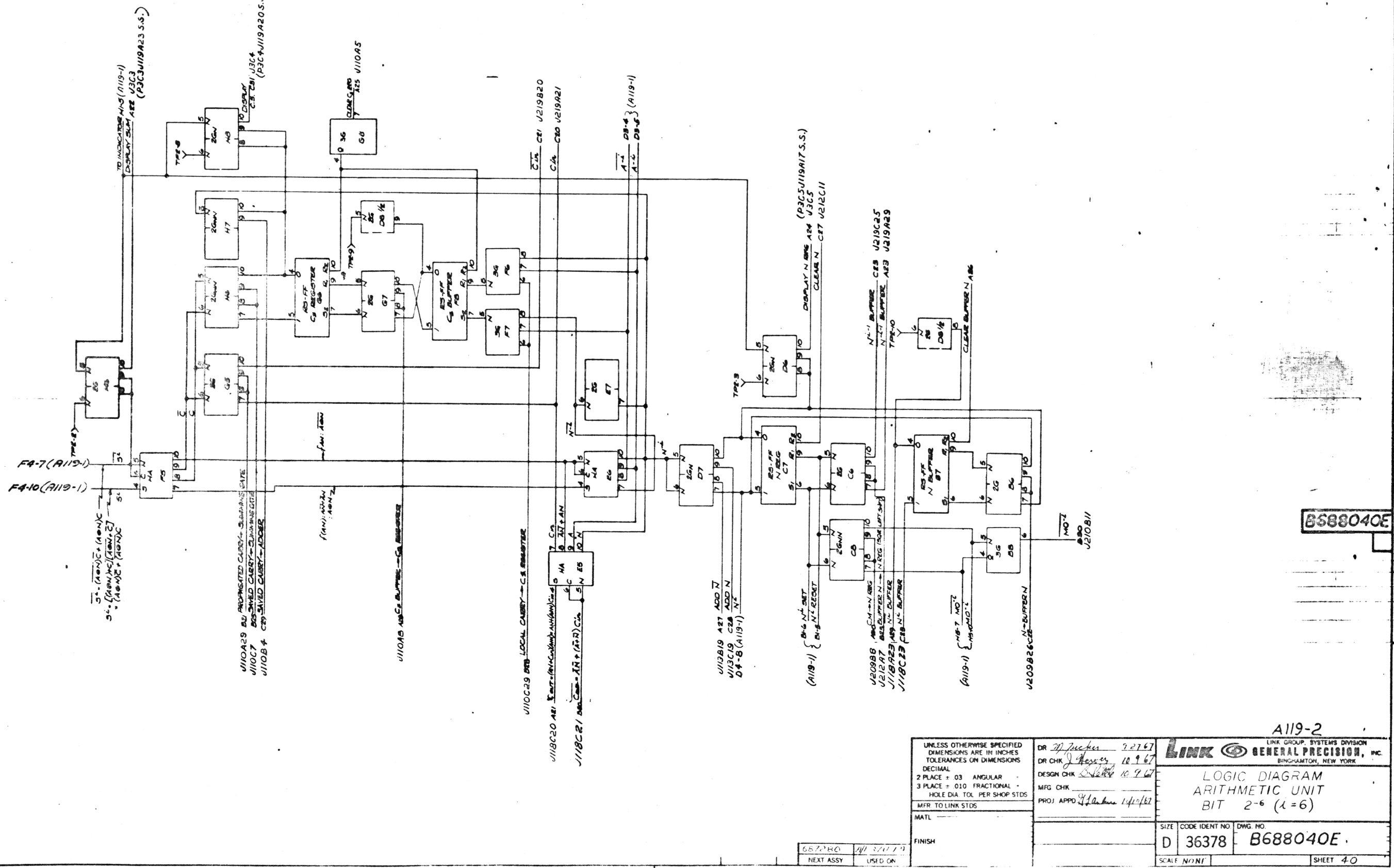
B688040E

A119-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS MFR TO LINK STDS	DR [illegible] 9.27.61 DR CHK [illegible] 10.9.61 DESGN CHK [illegible] 10.9.61 MFG CHK PROJ APPD [illegible] 10/9/61	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MAT'L FINISH		LOGIC DIAGRAM ARITHMETIC UNIT BIT 2-6 (λ=6)
		SIZE D · CODE IDENT NO 36378 · DWG NO B688040E · SHEET 39

68080	9/30/19
NEXT ASSY	USED ON

FORM NO. F 1474-4B



REVISIONS		
DESCRIPTION	DATE	APPROVED

A119-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL PER SHOP STDS
MFR. TO LINK STDS
MATL
FINISH

DR	M Tucker	2.27.67
DR CHK	J Hessey	10.9.67
DESIGN CHK	[illegible]	10.9.67
MFG. CHK		
PROJ. APPD	[illegible]	11/10/67

687080	NP 3707 P
NEXT ASSY	USED ON

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM ARITHMETIC UNIT BIT 2^{-6} ($\lambda = 6$)

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 40

REVISIONS		
DESCRIPTION	DATE	APPROVED

K6-5 (A201-1)

F5-5 (A201-1)

F5-4 (A201-1)

B688040E

A201-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS	DR	DATE
DECIMAL	DR CHK	
~~2 PLACE ± .03 ANGULAR~~	DESGN CHK	
~~3 PLACE ± .010 FRACTIONAL~~	MFG CHK	
~~HOLE DIA TOL PER SHOP STDS~~	PROJ APPD	
MFR TO LINK STDS		
MATL		
FINISH		

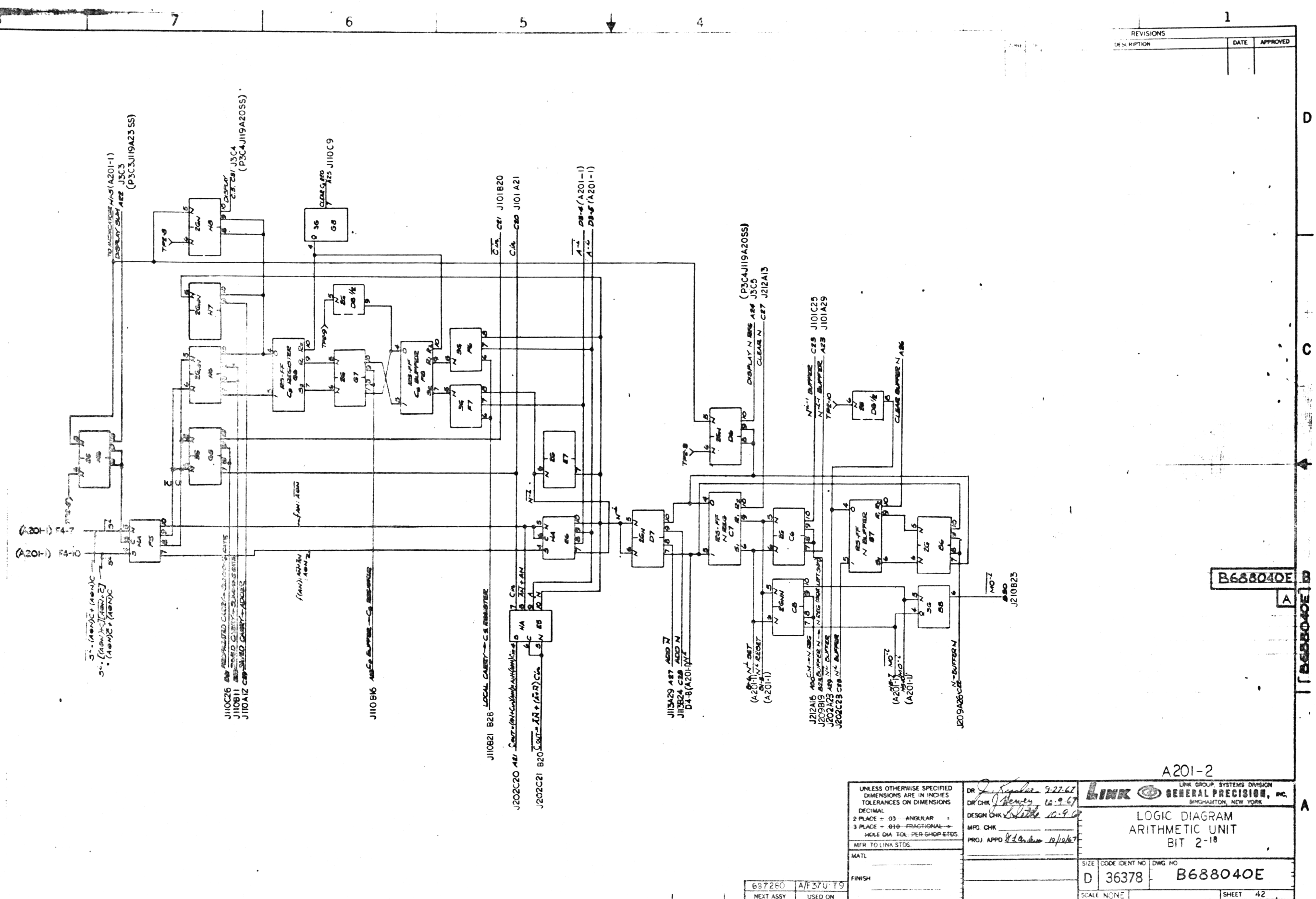
687260	A F37U-T9
NEXT ASSY	USED ON

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM
ARITHMETIC UNIT
BIT 2-18

SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E
SCALE NONE		SHEET 41

REVISIONS		
DESCRIPTION	DATE	APPROVED

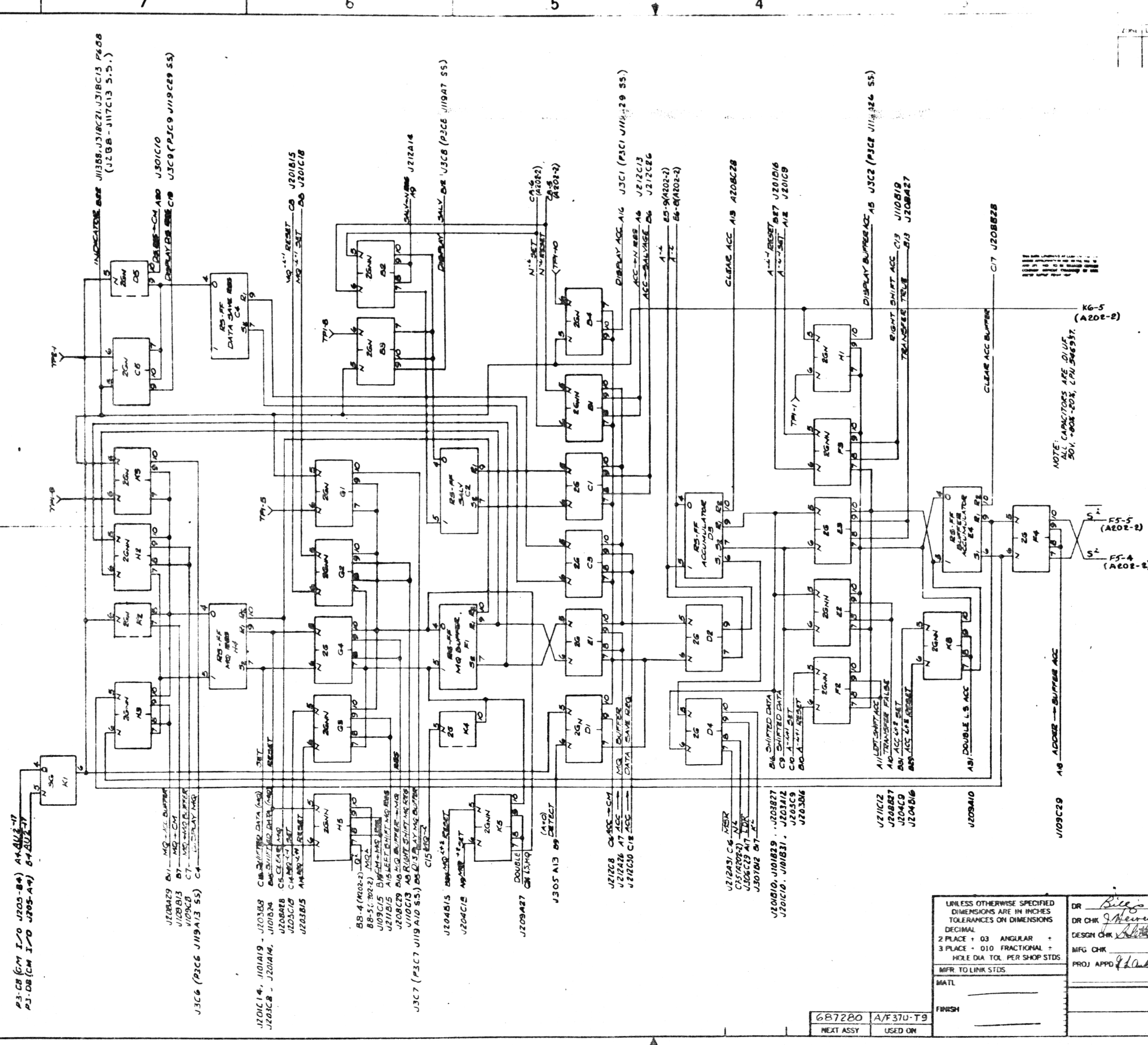


B688040E

A201-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS. MFR TO LINK STDS. MATL FINISH	DR J. Kopelow 9-27-67 DR CHK J. Kenney 10-9-67 DESIGN CHK [illegible] 10-9-67 MFG CHK PROJ APPD [illegible] 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM ARITHMETIC UNIT BIT 2-18
		SIZE D | CODE IDENT NO 36378 | DWG NO B688040E
		SCALE NONE | SHEET 42

687260	A/F37U-T9
NEXT ASSY	USED ON



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

DR	Bigo	9-21-67
DR CHK	J Heaney	10-9-67
DESIGN CHK	[illegible]	10-9-67
MFG CHK		
PROJ APPD	[illegible]	10/10/67

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± 03 ANGULAR ±
3 PLACE ± 010 FRACTIONAL ±
HOLE DIA TOL PER SHOP STDS
MFR TO LINK STDS
MATL
FINISH

687280	A/F37U-T9
NEXT ASSY	USED ON

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

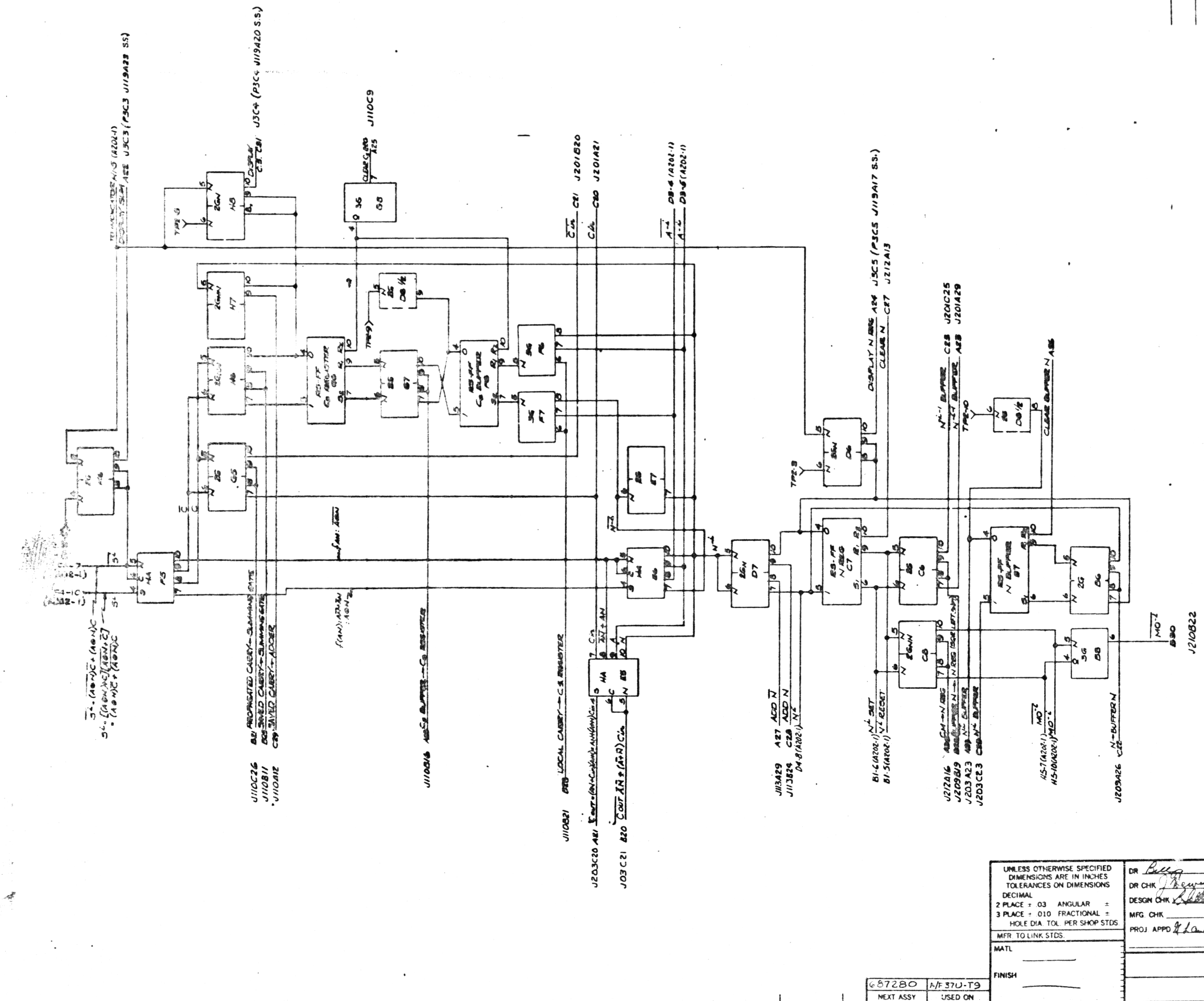
LOGIC DIAGRAM
ARITHMETIC UNIT
BIT 2^{-17} (i=17)

SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE —— SHEET 43

FORM NO. F 1474-4B

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



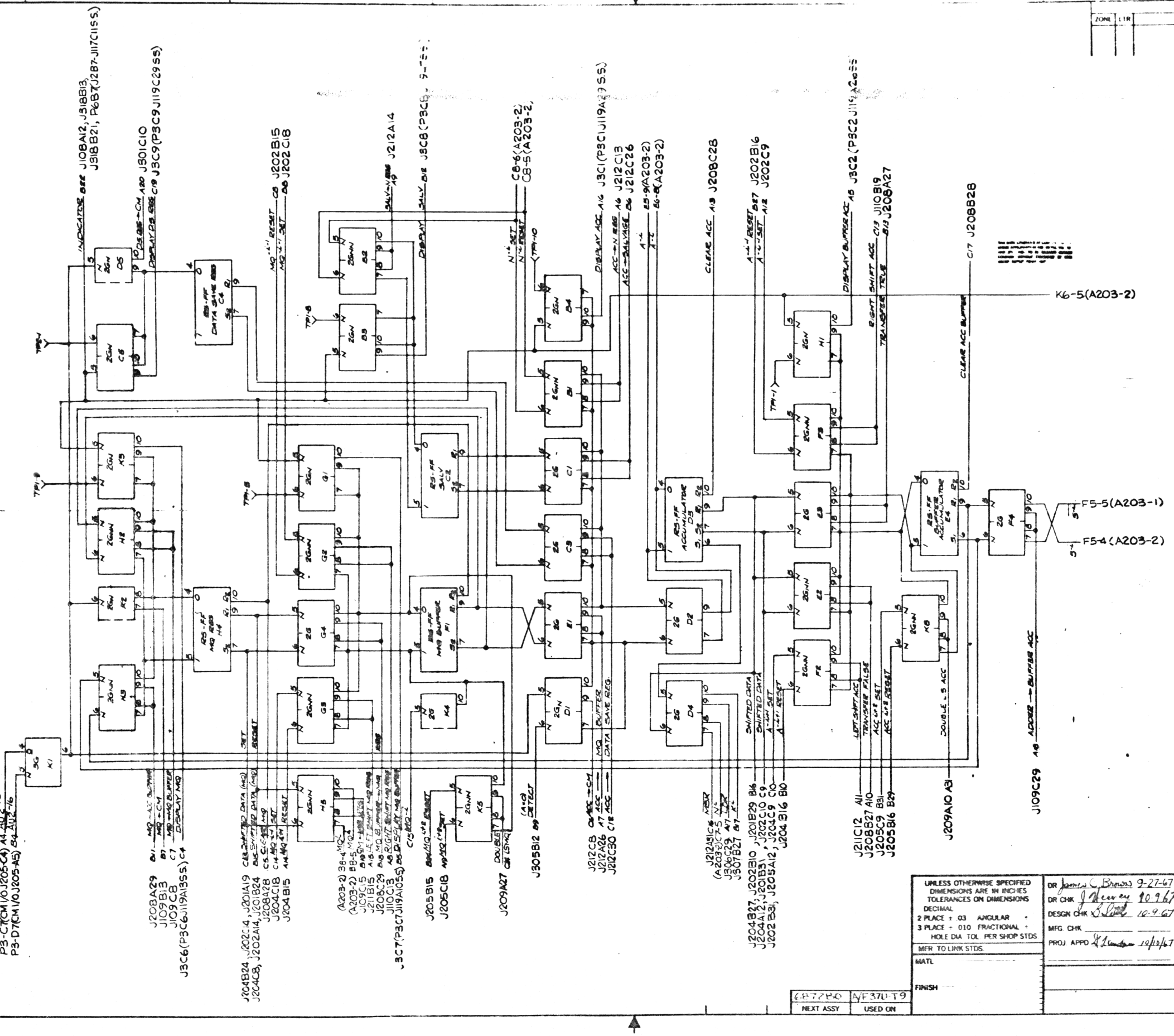
B688040E

A202-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR Bellg 9.28.67 DR CHK Mowry 10-9-67 DESIGN CHK 10.9.67 MFG. CHK PROJ APPD 10-12-67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM ARITHMETIC UNIT BIT 2^{-17} ($i = 17$)
		SIZE D · CODE IDENT NO 36378 · DWG NO B688040E · SCALE · SHEET 44

687280	A/F 370-T9
NEXT ASSY	USED ON

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA TOL PER SHOP STDS.
MFR TO LINK STDS.
MATL
FINISH

NEXT ASSY	6872P0
USED ON	NF370T9

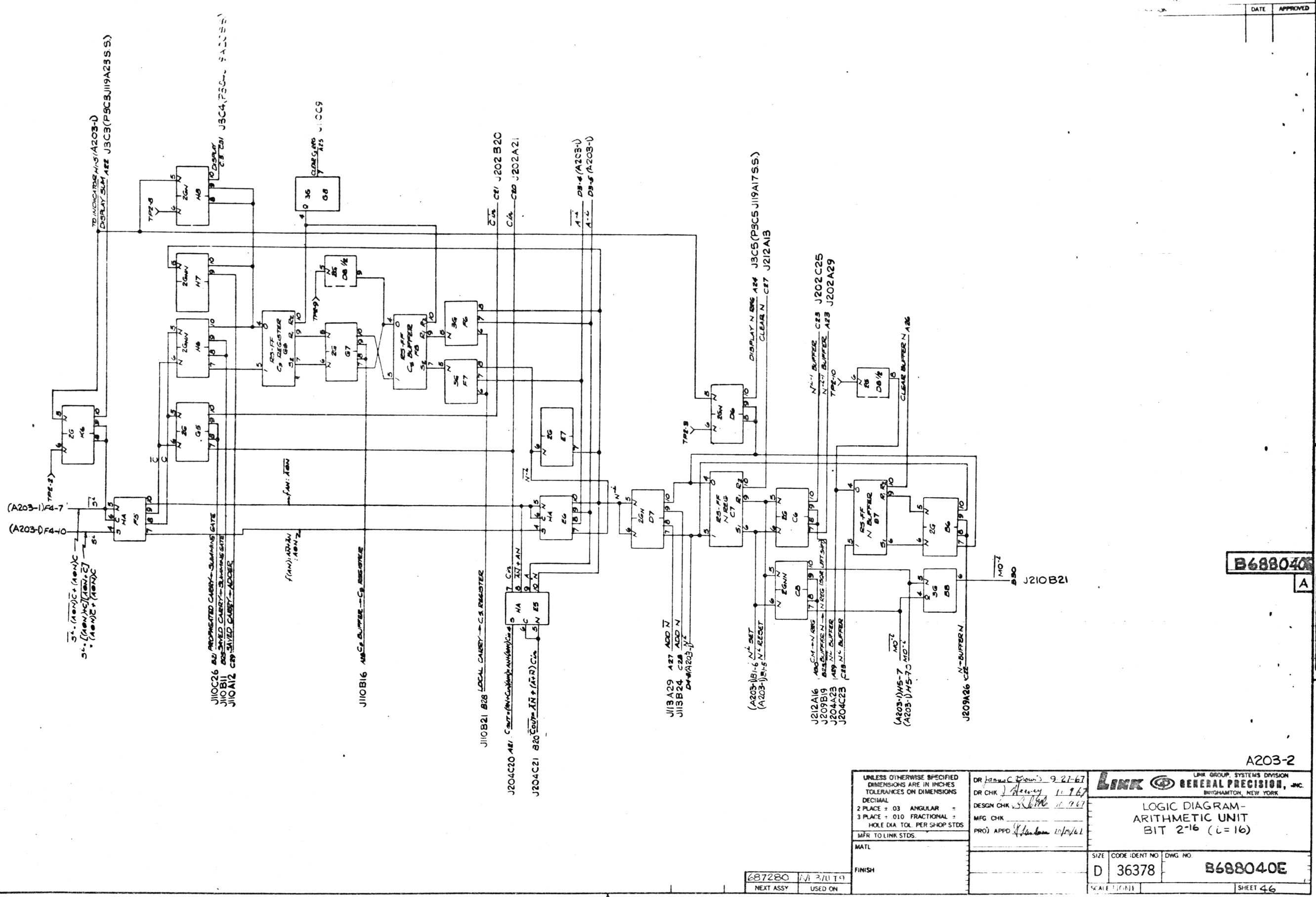
DR James C. Brown 9-27-67
DR CHK J. Heaney 10-9-67
DESGN CHK [illegible] 10-9-67
MFG CHK
PROJ APPD [illegible] 10/12/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM- ARITHMETIC UNIT BIT 2-16 (i=16)

SIZE	CODE IDENT NO	DWG. NO.
D	36378	B688040E

SCALE NONE SHEET 45



DATE	APPROVED

B688040E

A

A203-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS
MFR. TO LINK STDS.
MATL
FINISH

DR	James C. Brown	9-27-67
DR CHK	J. Keeney	11-9-67
DESGN CHK	R. Stark	11-9-67
MFG CHK		
PROJ APPD	H. Henderson	10/19/67

LINK GROUP, SYSTEMS DIVISION
LINK GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

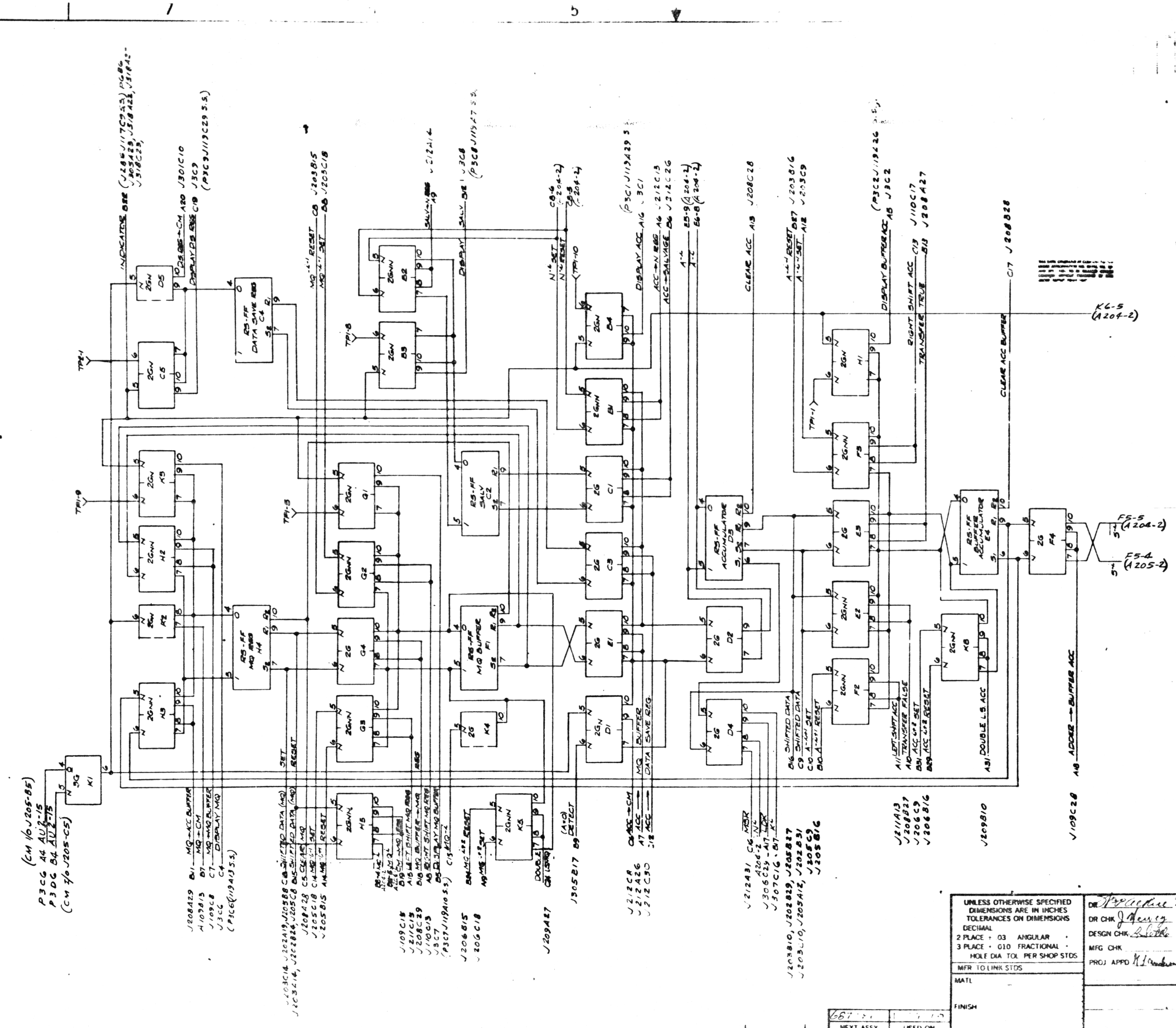
LOGIC DIAGRAM-
ARITHMETIC UNIT
BIT 2-16 (i = 16)

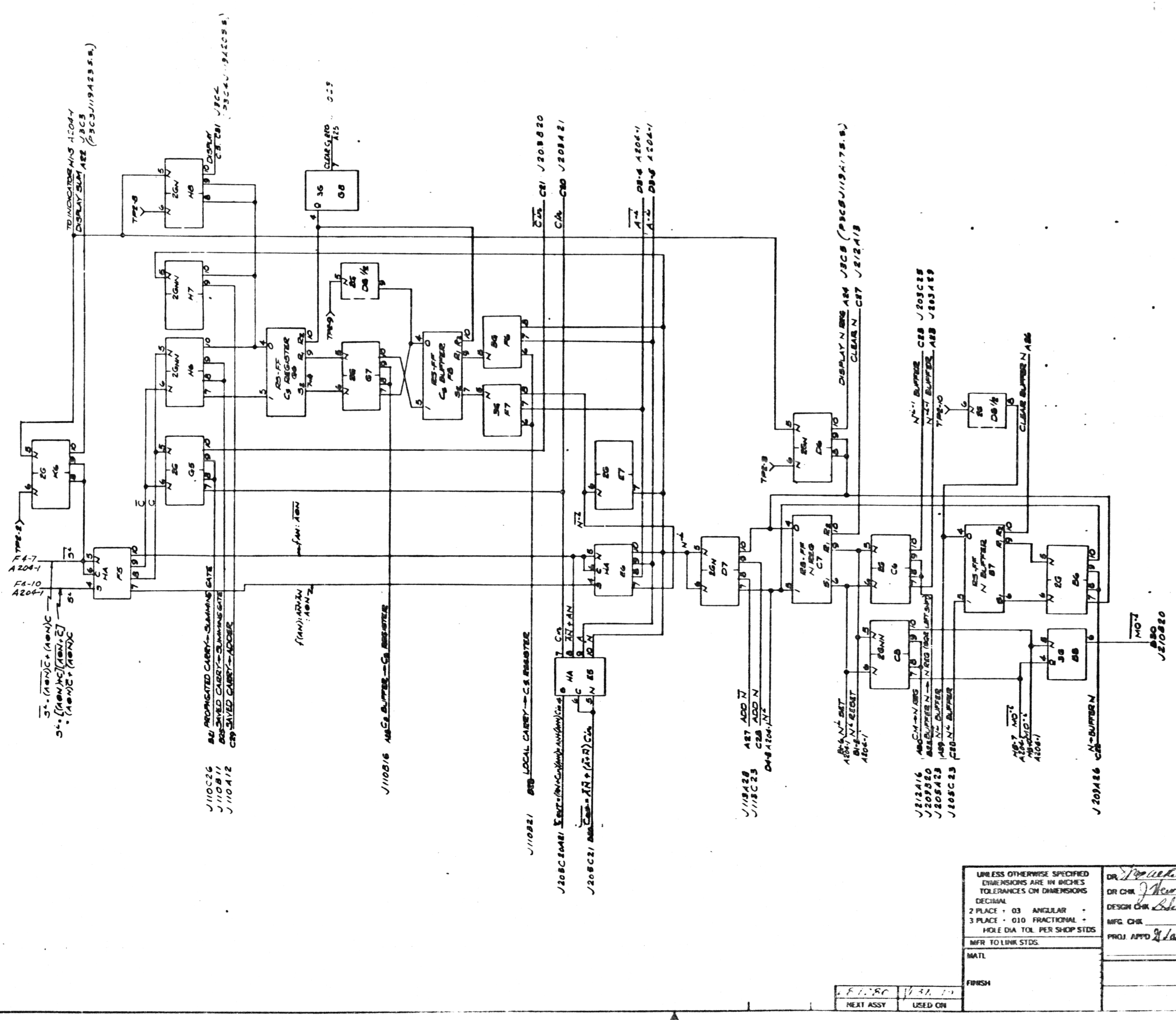
SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE NONE | SHEET 46

687280	A1 3/10 T9
NEXT ASSY	USED ON

FORM NO. F-1474-49


REVISIONS
DESCRIPTION
DATE
APPROVED
INDICATORS
DISPLAY MQ
SET
RESET
DISPLAY
DISPLAY ACC
CLEAR ACC
DISPLAY BUFFER ACC
RIGHT SHIFT ACC
TRANSFER TRUE
CLEAR ACC BUFFER
KG-5 (A204-2)
FS-5 (A204-2)
FS-4 (A205-2)
MQ BUFFER
SAVE REG
ACCUMULATOR
ACC BUFFER
DOUBLE L.S. ACC
ADDER → BUFFER ACC
MQ → ACC BUFFER
DISPLAY MQ
DOUBLE L.S. MQ
MQ SHIFTED DATA
ACC SHIFTED DATA
LEFT SHIFT ACC
TRANSFER FALSE
ACC → MQ BUFFER
ACC → DISPLAY
ACC → ACC
MQ → DATA
(CM 1/0 J205-B5)
P3CG 44 AU2-15
P3DG 84 AU2-15
(CM 1/0 J205-C5)
A204-1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA TOL PER SHOP STDS
MFR TO LINK STDS
MATL
FINISH
NEXT ASSY
USED ON
DR
DR CHK J. Henry 10-9-61
DESGN CHK 10-9-61
MFG CHK
PROJ APPD
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK
LOGIC DIAGRAM
ARITHMETIC UNIT
BIT 2-15 (i=15).
SIZE D
CODE IDENT NO 36378
DWG NO B688040E
SCALE FULL
SHEET 47
B688040E
A


TO INDICATOR NIXIE DISPLAY SUM A22 J3C3 (P3C3J//9423 S.E.)
DISPLAY CENTRAL J3C4 (P3C4J//9423 S.E.)
TYPE-8
TYPE-9
TYPE-10
TYPE-11
TYPE-12
TYPE-13
TYPE-14
TYPE-15
TYPE-16
TYPE-17
TYPE-18
TYPE-19
TYPE-20
TYPE-21
TYPE-22
TYPE-23
TYPE-24
TYPE-25
TYPE-26
TYPE-27
TYPE-28
TYPE-29
TYPE-30
TYPE-31
TYPE-32
TYPE-33
TYPE-34
TYPE-35
TYPE-36
TYPE-37
TYPE-38
TYPE-39
TYPE-40
TYPE-41
TYPE-42
TYPE-43
TYPE-44
TYPE-45
TYPE-46
TYPE-47
TYPE-48
TYPE-49
TYPE-50
TYPE-51
TYPE-52
TYPE-53
TYPE-54
TYPE-55
TYPE-56
TYPE-57
TYPE-58
TYPE-59
TYPE-60
TYPE-61
TYPE-62
TYPE-63
TYPE-64
TYPE-65
TYPE-66
TYPE-67
TYPE-68
TYPE-69
TYPE-70
TYPE-71
TYPE-72
TYPE-73
TYPE-74
TYPE-75
TYPE-76
TYPE-77
TYPE-78
TYPE-79
TYPE-80
TYPE-81
TYPE-82
TYPE-83
TYPE-84
TYPE-85
TYPE-86
TYPE-87
TYPE-88
TYPE-89
TYPE-90
TYPE-91
TYPE-92
TYPE-93
TYPE-94
TYPE-95
TYPE-96
TYPE-97
TYPE-98
TYPE-99
TYPE-100
TYPE-101
TYPE-102
TYPE-103
TYPE-104
TYPE-105
TYPE-106
TYPE-107
TYPE-108
TYPE-109
TYPE-110
TYPE-111
TYPE-112
TYPE-113
TYPE-114
TYPE-115
TYPE-116
TYPE-117
TYPE-118
TYPE-119
TYPE-120
TYPE-121
TYPE-122
TYPE-123
TYPE-124
TYPE-125
TYPE-126
TYPE-127
TYPE-128
TYPE-129
TYPE-130
TYPE-131
TYPE-132
TYPE-133
TYPE-134
TYPE-135
TYPE-136
TYPE-137
TYPE-138
TYPE-139
TYPE-140
TYPE-141
TYPE-142
TYPE-143
TYPE-144
TYPE-145
TYPE-146
TYPE-147
TYPE-148
TYPE-149
TYPE-150
TYPE-151
TYPE-152
TYPE-153
TYPE-154
TYPE-155
TYPE-156
TYPE-157
TYPE-158
TYPE-159
TYPE-160
TYPE-161
TYPE-162
TYPE-163
TYPE-164
TYPE-165
TYPE-166
TYPE-167
TYPE-168
TYPE-169
TYPE-170
TYPE-171
TYPE-172
TYPE-173
TYPE-174
TYPE-175
TYPE-176
TYPE-177
TYPE-178
TYPE-179
TYPE-180
TYPE-181
TYPE-182
TYPE-183
TYPE-184
TYPE-185
TYPE-186
TYPE-187
TYPE-188
TYPE-189
TYPE-190
TYPE-191
TYPE-192
TYPE-193
TYPE-194
TYPE-195
TYPE-196
TYPE-197
TYPE-198
TYPE-199
TYPE-200
TYPE-201
TYPE-202
TYPE-203
TYPE-204
TYPE-205
TYPE-206
TYPE-207
TYPE-208
TYPE-209
TYPE-210
TYPE-211
TYPE-212
TYPE-213
TYPE-214
TYPE-215
TYPE-216
TYPE-217
TYPE-218
TYPE-219
TYPE-220
TYPE-221
TYPE-222
TYPE-223
TYPE-224
TYPE-225
TYPE-226
TYPE-227
TYPE-228
TYPE-229
TYPE-230
TYPE-231
TYPE-232
TYPE-233
TYPE-234
TYPE-235
TYPE-236
TYPE-237
TYPE-238
TYPE-239
TYPE-240
TYPE-241
TYPE-242
TYPE-243
TYPE-244
TYPE-245
TYPE-246
TYPE-247
TYPE-248
TYPE-249
TYPE-250
TYPE-251
TYPE-252
TYPE-253
TYPE-254
TYPE-255
TYPE-256
TYPE-257
TYPE-258
TYPE-259
TYPE-260
TYPE-261
TYPE-262
TYPE-263
TYPE-264
TYPE-265
TYPE-266
TYPE-267
TYPE-268
TYPE-269
TYPE-270
TYPE-271
TYPE-272
TYPE-273
TYPE-274
TYPE-275
TYPE-276
TYPE-277
TYPE-278
TYPE-279
TYPE-280
TYPE-281
TYPE-282
TYPE-283
TYPE-284
TYPE-285
TYPE-286
TYPE-287
TYPE-288
TYPE-289
TYPE-290
TYPE-291
TYPE-292
TYPE-293
TYPE-294
TYPE-295
TYPE-296
TYPE-297
TYPE-298
TYPE-299
TYPE-300
TYPE-301
TYPE-302
TYPE-303
TYPE-304
TYPE-305
TYPE-306
TYPE-307
TYPE-308
TYPE-309
TYPE-310
TYPE-311
TYPE-312
TYPE-313
TYPE-314
TYPE-315
TYPE-316
TYPE-317
TYPE-318
TYPE-319
TYPE-320
TYPE-321
TYPE-322
TYPE-323
TYPE-324
TYPE-325
TYPE-326
TYPE-327
TYPE-328
TYPE-329
TYPE-330
TYPE-331
TYPE-332
TYPE-333
TYPE-334
TYPE-335
TYPE-336
TYPE-337
TYPE-338
TYPE-339
TYPE-340
TYPE-341
TYPE-342
TYPE-343
TYPE-344
TYPE-345
TYPE-346
TYPE-347
TYPE-348
TYPE-349
TYPE-350
TYPE-351
TYPE-352
TYPE-353
TYPE-354
TYPE-355
TYPE-356
TYPE-357
TYPE-358
TYPE-359
TYPE-360
TYPE-361
TYPE-362
TYPE-363
TYPE-364
TYPE-365
TYPE-366
TYPE-367
TYPE-368
TYPE-369
TYPE-370
TYPE-371
TYPE-372
TYPE-373
TYPE-374
TYPE-375
TYPE-376
TYPE-377
TYPE-378
TYPE-379
TYPE-380
TYPE-381
TYPE-382
TYPE-383
TYPE-384
TYPE-385
TYPE-386
TYPE-387
TYPE-388
TYPE-389
TYPE-390
TYPE-391
TYPE-392
TYPE-393
TYPE-394
TYPE-395
TYPE-396
TYPE-397
TYPE-398
TYPE-399
TYPE-400
TYPE-401
TYPE-402
TYPE-403
TYPE-404
TYPE-405
TYPE-406
TYPE-407
TYPE-408
TYPE-409
TYPE-410
TYPE-411
TYPE-412
TYPE-413
TYPE-414
TYPE-415
TYPE-416
TYPE-417
TYPE-418
TYPE-419
TYPE-420
TYPE-421
TYPE-422
TYPE-423
TYPE-424
TYPE-425
TYPE-426
TYPE-427
TYPE-428
TYPE-429
TYPE-430
TYPE-431
TYPE-432
TYPE-433
TYPE-434
TYPE-435
TYPE-436
TYPE-437
TYPE-438
TYPE-439
TYPE-440
TYPE-441
TYPE-442
TYPE-443
TYPE-444
TYPE-445
TYPE-446
TYPE-447
TYPE-448
TYPE-449
TYPE-450
TYPE-451
TYPE-452
TYPE-453
TYPE-454
TYPE-455
TYPE-456
TYPE-457
TYPE-458
TYPE-459
TYPE-460
TYPE-461
TYPE-462
TYPE-463
TYPE-464
TYPE-465
TYPE-466
TYPE-467
TYPE-468
TYPE-469
TYPE-470
TYPE-471
TYPE-472
TYPE-473
TYPE-474
TYPE-475
TYPE-476
TYPE-477
TYPE-478
TYPE-479
TYPE-480
TYPE-481
TYPE-482
TYPE-483
TYPE-484
TYPE-485
TYPE-486
TYPE-487
TYPE-488
TYPE-489
TYPE-490
TYPE-491
TYPE-492
TYPE-493
TYPE-494
TYPE-495
TYPE-496
TYPE-497
TYPE-498
TYPE-499
TYPE-500
TYPE-501
TYPE-502
TYPE-503
TYPE-504
TYPE-505
TYPE-506
TYPE-507
TYPE-508
TYPE-509
TYPE-510
TYPE-511
TYPE-512
TYPE-513
TYPE-514
TYPE-515
TYPE-516
TYPE-517
TYPE-518
TYPE-519
TYPE-520
TYPE-521
TYPE-522
TYPE-523
TYPE-524
TYPE-525
TYPE-526
TYPE-527
TYPE-528
TYPE-529
TYPE-530
TYPE-531
TYPE-532
TYPE-533
TYPE-534
TYPE-535
TYPE-536
TYPE-537
TYPE-538
TYPE-539
TYPE-540
TYPE-541
TYPE-542
TYPE-543
TYPE-544
TYPE-545
TYPE-546
TYPE-547
TYPE-548
TYPE-549
TYPE-550
TYPE-551
TYPE-552
TYPE-553
TYPE-554
TYPE-555
TYPE-556
TYPE-557
TYPE-558
TYPE-559
TYPE-560
TYPE-561
TYPE-562
TYPE-563
TYPE-564
TYPE-565
TYPE-566
TYPE-567
TYPE-568
TYPE-569
TYPE-570
TYPE-571
TYPE-572
TYPE-573
TYPE-574
TYPE-575
TYPE-576
TYPE-577
TYPE-578
TYPE-579
TYPE-580
TYPE-581
TYPE-582
TYPE-583
TYPE-584
TYPE-585
TYPE-586
TYPE-587
TYPE-588
TYPE-589
TYPE-590
TYPE-591
TYPE-592
TYPE-593
TYPE-594
TYPE-595
TYPE-596
TYPE-597
TYPE-598
TYPE-599
TYPE-600
TYPE-601
TYPE-602
TYPE-603
TYPE-604
TYPE-605
TYPE-606
TYPE-607
TYPE-608
TYPE-609
TYPE-610
TYPE-611
TYPE-612
TYPE-613
TYPE-614
TYPE-615
TYPE-616
TYPE-617
TYPE-618
TYPE-619
TYPE-620
TYPE-621
TYPE-622
TYPE-623
TYPE-624
TYPE-625
TYPE-626
TYPE-627
TYPE-628
TYPE-629
TYPE-630
TYPE-631
TYPE-632
TYPE-633
TYPE-634
TYPE-635
TYPE-636
TYPE-637
TYPE-638
TYPE-639
TYPE-640
TYPE-641
TYPE-642
TYPE-643
TYPE-644
TYPE-645
TYPE-646
TYPE-647
TYPE-648
TYPE-649
TYPE-650
TYPE-651
TYPE-652
TYPE-653
TYPE-654
TYPE-655
TYPE-656
TYPE-657
TYPE-658
TYPE-659
TYPE-660
TYPE-661
TYPE-662
TYPE-663
TYPE-664
TYPE-665
TYPE-666
TYPE-667
TYPE-668
TYPE-669
TYPE-670
TYPE-671
TYPE-672
TYPE-673
TYPE-674
TYPE-675
TYPE-676
TYPE-677
TYPE-678
TYPE-679
TYPE-680
TYPE-681
TYPE-682
TYPE-683
TYPE-684
TYPE-685
TYPE-686
TYPE-687
TYPE-688
TYPE-689
TYPE-690
TYPE-691
TYPE-692
TYPE-693
TYPE-694
TYPE-695
TYPE-696
TYPE-697
TYPE-698
TYPE-699
TYPE-700
TYPE-701
TYPE-702
TYPE-703
TYPE-704
TYPE-705
TYPE-706
TYPE-707
TYPE-708
TYPE-709
TYPE-710
TYPE-711
TYPE-712
TYPE-713
TYPE-714
TYPE-715
TYPE-716
TYPE-717
TYPE-718
TYPE-719
TYPE-720
TYPE-721
TYPE-722
TYPE-723
TYPE-724
TYPE-725
TYPE-726
TYPE-727
TYPE-728
TYPE-729
TYPE-730
TYPE-731
TYPE-732
TYPE-733
TYPE-734
TYPE-735
TYPE-736
TYPE-737
TYPE-738
TYPE-739
TYPE-740
TYPE-741
TYPE-742
TYPE-743
TYPE-744
TYPE-745
TYPE-746
TYPE-747
TYPE-748
TYPE-749
TYPE-750
TYPE-751
TYPE-752
TYPE-753
TYPE-754
TYPE-755
TYPE-756
TYPE-757
TYPE-758
TYPE-759
TYPE-760
TYPE-761
TYPE-762
TYPE-763
TYPE-764
TYPE-765
TYPE-766
TYPE-767
TYPE-768
TYPE-769
TYPE-770
TYPE-771
TYPE-772
TYPE-773
TYPE-774
TYPE-775
TYPE-776
TYPE-777
TYPE-778
TYPE-779
TYPE-780
TYPE-781
TYPE-782
TYPE-783
TYPE-784
TYPE-785
TYPE-786
TYPE-787
TYPE-788
TYPE-789
TYPE-790
TYPE-791
TYPE-792
TYPE-793
TYPE-794
TYPE-795
TYPE-796
TYPE-797
TYPE-798
TYPE-799
TYPE-800
TYPE-801
TYPE-802
TYPE-803
TYPE-804
TYPE-805
TYPE-806
TYPE-807
TYPE-808
TYPE-809
TYPE-810
TYPE-811
TYPE-812
TYPE-813
TYPE-814
TYPE-815
TYPE-816
TYPE-817
TYPE-818
TYPE-819
TYPE-820
TYPE-821
TYPE-822
TYPE-823
TYPE-824
TYPE-825
TYPE-826
TYPE-827
TYPE-828
TYPE-829
TYPE-830
TYPE-831
TYPE-832
TYPE-833
TYPE-834
TYPE-835
TYPE-836
TYPE-837
TYPE-838
TYPE-839
TYPE-840
TYPE-841
TYPE-842
TYPE-843
TYPE-844
TYPE-845
TYPE-846
TYPE-847
TYPE-848
TYPE-849
TYPE-850
TYPE-851
TYPE-852
TYPE-853
TYPE-854
TYPE-855
TYPE-856
TYPE-857
TYPE-858
TYPE-859
TYPE-860
TYPE-861
TYPE-862
TYPE-863
TYPE-864
TYPE-865
TYPE-866
TYPE-867
TYPE-868
TYPE-869
TYPE-870
TYPE-871
TYPE-872
TYPE-873
TYPE-874
TYPE-875
TYPE-876
TYPE-877
TYPE-878
TYPE-879
TYPE-880
TYPE-881
TYPE-882
TYPE-883
TYPE-884
TYPE-885
TYPE-886
TYPE-887
TYPE-888
TYPE-889
TYPE-890
TYPE-891
TYPE-892
TYPE-893
TYPE-894
TYPE-895
TYPE-896
TYPE-897
TYPE-898
TYPE-899
TYPE-900
TYPE-901
TYPE-902
TYPE-903
TYPE-904
TYPE-905
TYPE-906
TYPE-907
TYPE-908
TYPE-909
TYPE-910
TYPE-911
TYPE-912
TYPE-913
TYPE-914
TYPE-915
TYPE-916
TYPE-917
TYPE-918
TYPE-919
TYPE-920
TYPE-921
TYPE-922
TYPE-923
TYPE-924
TYPE-925
TYPE-926
TYPE-927
TYPE-928
TYPE-929
TYPE-930
TYPE-931
TYPE-932
TYPE-933
TYPE-934
TYPE-935
TYPE-936
TYPE-937
TYPE-938
TYPE-939
TYPE-940
TYPE-941
TYPE-942
TYPE-943
TYPE-944
TYPE-945
TYPE-946
TYPE-947
TYPE-948
TYPE-949
TYPE-950
TYPE-951
TYPE-952
TYPE-953
TYPE-954
TYPE-955
TYPE-956
TYPE-957
TYPE-958
TYPE-959
TYPE-960
TYPE-961
TYPE-962
TYPE-963
TYPE-964
TYPE-965
TYPE-966
TYPE-967
TYPE-968
TYPE-969
TYPE-970
TYPE-971
TYPE-972
TYPE-973
TYPE-974
TYPE-975
TYPE-976
TYPE-977
TYPE-978
TYPE-979
TYPE-980
TYPE-981
TYPE-982
TYPE-983
TYPE-984
TYPE-985
TYPE-986
TYPE-987
TYPE-988
TYPE-989
TYPE-990
TYPE-991
TYPE-992
TYPE-993
TYPE-994
TYPE-995
TYPE-996
TYPE-997
TYPE-998
TYPE-999
TYPE-1000
TYPE-1001
TYPE-1002
TYPE-1003
TYPE-1004
TYPE-1005
TYPE-1006
TYPE-1007
TYPE-1008
TYPE-1009
TYPE-1010
TYPE-1011
TYPE-1012
TYPE-1013
TYPE-1014
TYPE-1015
TYPE-1016
TYPE-1017
TYPE-1018
TYPE-1019
TYPE-1020
TYPE-1021
TYPE-1022
TYPE-1023
TYPE-1024
TYPE-1025
TYPE-1026
TYPE-1027
TYPE-1028
TYPE-1029
TYPE-1030
TYPE-1031
TYPE-1032
TYPE-1033
TYPE-1034
TYPE-1035
TYPE-1036
TYPE-1037
TYPE-1038
TYPE-1039
TYPE-1040
TYPE-1041
TYPE-1042
TYPE-1043
TYPE-1044
TYPE-1045
TYPE-1046
TYPE-1047
TYPE-1048
TYPE-1049
TYPE-1050
TYPE-1051
TYPE-1052
TYPE-1053
TYPE-1054
TYPE-1055
TYPE-1056
TYPE-1057
TYPE-1058
TYPE-1059
TYPE-1060
TYPE-1061
TYPE-1062
TYPE-1063
TYPE-1064
TYPE-1065
TYPE-1066
TYPE-1067
TYPE-1068
TYPE-1069
TYPE-1070
TYPE-1071
TYPE-1072
TYPE-1073
TYPE-1074
TYPE-1075
TYPE-1076
TYPE-1077
TYPE-1078
TYPE-1079
TYPE-1080
TYPE-1081
TYPE-1082
TYPE-1083
TYPE-1084
TYPE-1085
TYPE-1086
TYPE-1087
TYPE-1088
TYPE-1089
TYPE-1090
TYPE-1091
TYPE-1092
TYPE-1093
TYPE-1094
TYPE-1095
TYPE-1096
TYPE-1097
TYPE-1098
TYPE-1099
TYPE-1100
TYPE-1101
TYPE-1102
TYPE-1103
TYPE-1104
TYPE-1105
TYPE-1106
TYPE-1107
TYPE-1108
TYPE-1109
TYPE-1110
TYPE-1111
TYPE-1112
TYPE-1113
TYPE-1114
TYPE-1115
TYPE-1116
TYPE-1117
TYPE-1118
TYPE-1119
TYPE-1120
TYPE-1121
TYPE-1122
TYPE-1123
TYPE-1124
TYPE-1125
TYPE-1126
TYPE-1127
TYPE-1128
TYPE-1129
TYPE-1130
TYPE-1131
TYPE-1132
TYPE-1133
TYPE-1134
TYPE-1135
TYPE-1136
TYPE-1137
TYPE-1138
TYPE-1139
TYPE-1140
TYPE-1141
TYPE-1142
TYPE-1143
TYPE-1144
TYPE-1145
TYPE-1146
TYPE-1147
TYPE-1148
TYPE-1149
TYPE-1150
TYPE-1151
TYPE-1152
TYPE-1153
TYPE-1154
TYPE-1155
TYPE-1156
TYPE-1157
TYPE-1158
TYPE-1159
TYPE-1160
TYPE-1161
TYPE-1162
TYPE-1163
TYPE-1164
TYPE-1165
TYPE-1166
TYPE-1167
TYPE-1168
TYPE-1169
TYPE-1170
TYPE-1171
TYPE-1172
TYPE-1173
TYPE-1174
TYPE-1175
TYPE-1176
TYPE-1177
TYPE-1178
TYPE-1179
TYPE-1180
TYPE-1181
TYPE-1182
TYPE-1183
TYPE-1184
TYPE-1185
TYPE-1186
TYPE-1187
TYPE-1188
TYPE-1189
TYPE-1190
TYPE-1191
TYPE-1192
TYPE-1193
TYPE-1194
TYPE-1195
TYPE-1196
TYPE-1197
TYPE-1198
TYPE-1199
TYPE-1200
TYPE-1201
TYPE-1202
TYPE-1203
TYPE-1204
TYPE-1205
TYPE-1206
TYPE-1207
TYPE-1208
TYPE-1209
TYPE-1210
TYPE-1211
TYPE-1212
TYPE-1213
TYPE-1214
TYPE-1215
TYPE-1216
TYPE-1217
TYPE-1218
TYPE-1219
TYPE-1220
TYPE-1221
TYPE-1222
TYPE-1223
TYPE-1224
TYPE-1225
TYPE-1226
TYPE-1227
TYPE-1228
TYPE-1229
TYPE-1230
TYPE-1231
TYPE-1232
TYPE-1233
TYPE-1234
TYPE-1235
TYPE-1236
TYPE-1237
TYPE-1238
TYPE-1239
TYPE-1240
TYPE-1241
TYPE-1242
TYPE-1243
TYPE-1244
TYPE-1245
TYPE-1246
TYPE-1247
TYPE-1248
TYPE-1249
TYPE-1250
TYPE-1251
TYPE-1252
TYPE-1253
TYPE-1254
TYPE-1255
TYPE-1256
TYPE-1257
TYPE-1258
TYPE-1259
TYPE-1260
TYPE-1261
TYPE-1262
TYPE-1263
TYPE-1264
TYPE-1265
TYPE-1266
TYPE-1267
TYPE-1268
TYPE-1269
TYPE-1270
TYPE-1271
TYPE-1272
TYPE-1273
TYPE-1274
TYPE-1275
TYPE-1276
TYPE-1277
TYPE-1278
TYPE-1279
TYPE-1280
TYPE-1281
TYPE-1282
TYPE-1283
TYPE-1284
TYPE-1285
TYPE-1286
TYPE-1287
TYPE-1288
TYPE-1289
TYPE-1290
TYPE-1291
TYPE-1292
TYPE-1293
TYPE-1294
TYPE-1295
TYPE-1296
TYPE-1297
TYPE-1298
TYPE-1299
TYPE-1300
TYPE-1301
TYPE-1302
TYPE-1303
TYPE-1304
TYPE-1305
TYPE-1306
TYPE-1307
TYPE-1308
TYPE-1309
TYPE-1310
TYPE-1311
TYPE-1312
TYPE-1313
TYPE-1314
TYPE-1315
TYPE-1316
TYPE-1317
TYPE-1318
TYPE-1319
TYPE-1320
TYPE-1321
TYPE-1322
TYPE-1323
TYPE-1324
TYPE-1325
TYPE-1326
TYPE-1327
TYPE-1328
TYPE-1329
TYPE-1330
TYPE-1331
TYPE-1332
TYPE-1333
TYPE-1334
TYPE-1335
TYPE-1336
TYPE-1337
TYPE-1338
TYPE-1339
TYPE-1340
TYPE-1341
TYPE-1342
TYPE-1343
TYPE-1344
TYPE-1345
TYPE-1346
TYPE-1347
TYPE-1348
TYPE-1349
TYPE-1350
TYPE-1351
TYPE-1352
TYPE-1353
TYPE-1354
TYPE-1355
TYPE-1356
TYPE-1357
TYPE-1358
TYPE-1359
TYPE-1360
TYPE-1361
TYPE-1362
TYPE-1363
TYPE-1364
TYPE-1365
TYPE-1366
TYPE-1367
TYPE-1368
TYPE-1369
TYPE-1370
TYPE-1371
TYPE-1372
TYPE-1373
TYPE-1374
TYPE-1375
TYPE-1376
TYPE-1377
TYPE-1378
TYPE-1379
TYPE-1380
TYPE-1381
TYPE-1382
TYPE-1383
TYPE-1384
TYPE-1385
TYPE-1386
TYPE-1387
TYPE-1388
TYPE-1389
TYPE-1390
TYPE-1391
TYPE-1392
TYPE-1393
TYPE-1394
TYPE-1395
TYPE-1396
TYPE-1397
TYPE-1398
TYPE-1399
TYPE-1400
TYPE-1401
TYPE-1402
TYPE-1403
TYPE-1404
TYPE-1405
TYPE-1406
TYPE-1407
TYPE-1408
TYPE-1409
TYPE-1410
TYPE-1411
TYPE-1412
TYPE-1413
TYPE-1414
TYPE-1415
TYPE-1416
TYPE-1417
TYPE-1418
TYPE-1419
TYPE-1420
TYPE-1421
TYPE-1422
TYPE-1423
TYPE-1424
TYPE-1425
TYPE-1426
TYPE-1427
TYPE-1428
TYPE-1429
TYPE-1430
TYPE-1431
TYPE-1432
TYPE-1433
TYPE-1434
TYPE-1435
TYPE-1436
TYPE-1437
TYPE-1438
TYPE-1439
TYPE-1440
TYPE-1441
TYPE-1442
TYPE-1443
TYPE-1444
TYPE-1445
TYPE-1446
TYPE-1447
TYPE-1448
TYPE-1449
TYPE-1450
TYPE-1451
TYPE-1452
TYPE-1453
TYPE-1454
TYPE-1455
TYPE-1456
TYPE-1457
TYPE-1458
TYPE-1459
TYPE-1460
TYPE-1461
TYPE-1462
TYPE-1463
TYPE-1464
TYPE-1465
TYPE-1466
TYPE-1467
TYPE-1468
TYPE-1469
TYPE-1470
TYPE-1471
TYPE-1472
TYPE-1473
TYPE-1474
TYPE-1475
TYPE-1476
TYPE-1477
TYPE-1478
TYPE-1479
TYPE-1480
TYPE-1481
TYPE-1482
TYPE-1483
TYPE-1484
TYPE-1485
TYPE-1486
TYPE-1487
TYPE-1488
TYPE-1489
TYPE-1490
TYPE-1491
TYPE-1492
TYPE-1493
TYPE-1494
TYPE-1495
TYPE-1496
TYPE-1497
TYPE-1498
TYPE-1499
TYPE-1500
TYPE-1501
TYPE-1502
TYPE-1503
TYPE-1504
TYPE-1505
TYPE-1506
TYPE-1507
TYPE-1508
TYPE-1509
TYPE-1510
TYPE-1511
TYPE-1512
TYPE-1513
TYPE-1514
TYPE-1515
TYPE-1516
TYPE-1517
TYPE-1518
TYPE-1519
TYPE-1520
TYPE-1521
TYPE-1522
TYPE-1523
TYPE-1524
TYPE-1525
TYPE-1526
TYPE-1527
TYPE-1528
TYPE-1529
TYPE-1530
TYPE-1531
TYPE-1532
TYPE-1533
TYPE-1534
TYPE-1535
TYPE-1536
TYPE-1537
TYPE-1538
TYPE-1539
TYPE-1540
TYPE-1541
TYPE-1542
TYPE-1543
TYPE-1544
TYPE-1545
TYPE-1546
TYPE-1547
TYPE-1548
TYPE-1549
TYPE-1550
TYPE-1551
TYPE-1552
TYPE-1553
TYPE-1554
TYPE-1555
TYPE-1556
TYPE-1557
TYPE-1558
TYPE-1559
TYPE-1560
TYPE-1561
TYPE-1562
TYPE-1563
TYPE-1564
TYPE-1565
TYPE-1566
TYPE-1567
TYPE-1568
TYPE-1569
TYPE-1570
TYPE-1571
TYPE-1572
TYPE-1573
TYPE-1574
TYPE-1575
TYPE-1576
TYPE-1577
TYPE-1578
TYPE-1579
TYPE-1580
TYPE-1581
TYPE-1582
TYPE-1583
TYPE-1584
TYPE-1585
TYPE-1586
TYPE-1587
TYPE-1588
TYPE-1589
TYPE-1590
TYPE-1591
TYPE-1592
TYPE-1593
TYPE-1594
TYPE-1595
TYPE-1596
TYPE-1597
TYPE-1598
TYPE-1599
TYPE-1600
TYPE-1601
TYPE-1602
TYPE-1603
TYPE-1604
TYPE-1605
TYPE-1606
TYPE-1607
TYPE-1608
TYPE-1609
TYPE-1610
TYPE-1611
TYPE-1612
TYPE-1613
TYPE-1614
TYPE-1615
TYPE-1616
TYPE-1617
TYPE-1618
TYPE-1619
TYPE-1620
TYPE-1621
TYPE-1622
TYPE-1623
TYPE-1624
TYPE-1625
TYPE-1626
TYPE-1627
TYPE-1628
TYPE-1629
TYPE-1630
TYPE-1631
TYPE-1632
TYPE-1633
TYPE-1634
TYPE-1635
TYPE-1636
TYPE-1637
TYPE-1638
TYPE-1639
TYPE-1640
TYPE-1641
TYPE-1642
TYPE-1643
TYPE-1644
TYPE-1645
TYPE-1646
TYPE-1647
TYPE-1648
TYPE-1649
TYPE-1650
TYPE-1651
TYPE-1652
TYPE-1653
TYPE-1654
TYPE-1655
TYPE-1656
TYPE-1657
TYPE-1658
TYPE-1659
TYPE-1660
TYPE-1661
TYPE-1662
TYPE-1663
TYPE-1664
TYPE-1665
TYPE-1666
TYPE-1667
TYPE-1668
TYPE-1669
TYPE-1670
TYPE-1671
TYPE-1672
TYPE-1673
TYPE-1674
TYPE-1675
TYPE-1676
TYPE-1677
TYPE-1678
TYPE-1679
TYPE-1680
TYPE-1681
TYPE-1682
TYPE-1683
TYPE-1684
TYPE-1685
TYPE-1686
TYPE-1687
TYPE-1688
TYPE-1689
TYPE-1690
TYPE-1691
TYPE-1692
TYPE-1693
TYPE-1694
TYPE-1695
TYPE-1696
TYPE-1697
TYPE-1698
TYPE-1699
TYPE-1700
TYPE-1701
TYPE-1702
TYPE-1703
TYPE-1704
TYPE-1705
TYPE-1706
TYPE-1707
TYPE-1708
TYPE-1709
TYPE-1710
TYPE-1711
TYPE-1712
TYPE-1713
TYPE-1714
TYPE-1715
TYPE-1716
TYPE-1717
TYPE-1718
TYPE-1719
TYPE-1720
TYPE-1721
TYPE-1722
TYPE-1723
TYPE-1724
TYPE-1725
TYPE-1726
TYPE-1727
TYPE-1728
TYPE-1729
TYPE-1730
TYPE-1731
TYPE-1732
TYPE-1733
TYPE-1734
TYPE-1735
TYPE-1736
TYPE-1737
TYPE-1738
TYPE-1739
TYPE-1740
TYPE-1741
TYPE-1742
TYPE-1743
TYPE-1744
TYPE-1745
TYPE-1746
TYPE-1747
TYPE-1748
TYPE-1749
TYPE-1750
TYPE-1751
TYPE-1752
TYPE-1753
TYPE-1754
TYPE-1755
TYPE-1756
TYPE-1757
TYPE-1758
TYPE-1759
TYPE-1760
TYPE-1761
TYPE-1762
TYPE-1763
TYPE-1764
TYPE-1765
TYPE-1766
TYPE-1767
TYPE-1768
TYPE-1769
TYPE-1770
TYPE-1771
TYPE-1772
TYPE-1773
TYPE-1774
TYPE-1775
TYPE-1776
TYPE-1777
TYPE-1778
TYPE-1779
TYPE-1780
TYPE-1781
TYPE-1782
TYPE-1783
TYPE-1784
TYPE-1785
TYPE-1786
TYPE-1787
TYPE-1788
TYPE-1789
TYPE-1790
TYPE-1791
TYPE-1792
TYPE-1793
TYPE-1794
TYPE-1795
TYPE-1796
TYPE-1797
TYPE-1798
TYPE-1799
TYPE-1800
TYPE-1801
TYPE-1802
TYPE-1803
TYPE-1804
TYPE-1805
TYPE-1806
TYPE-1807
TYPE-1808
TYPE-1809
TYPE-1810
TYPE-1811
TYPE-1812
TYPE-1813
TYPE-1814
TYPE-1815
TYPE-1816
TYPE-1817
TYPE-1818
TYPE-1819
TYPE-1820
TYPE-1821
TYPE-1822
TYPE-1823
TYPE-1824
TYPE-1825
TYPE-1826
TYPE-1827
TYPE-1828
TYPE-1829
TYPE-1830
TYPE-1831
TYPE-1832
TYPE-1833
TYPE-1834
TYPE-1835
TYPE-1836
TYPE-1837
TYPE-1838
TYPE-1839
TYPE-1840
TYPE-1841
TYPE-1842
TYPE-1843
TYPE-1844
TYPE-1845
TYPE-1846
TYPE-1847
TYPE-1848
TYPE-1849
TYPE-1850
TYPE-1851
TYPE-1852
TYPE-1853
TYPE-1854
TYPE-1855
TYPE-1856
TYPE-1857
TYPE-1858
TYPE-1859
TYPE-1860
TYPE-1861
TYPE-1862
TYPE-1863
TYPE-1864
TYPE-1865
TYPE-1866
TYPE-1867
TYPE-1868
TYPE-1869
TYPE-1870
TYPE-1871
TYPE-1872
TYPE-1873
TYPE-1874
TYPE-1875
TYPE-1876
TYPE-1877
TYPE-1878
TYPE-1879
TYPE-1880
TYPE-1881
TYPE-1882
TYPE-1883
TYPE-1884
TYPE-1885
TYPE-1886
TYPE-1887
TYPE-1888
TYPE-1889
TYPE-1890
TYPE-1891
TYPE-1892
TYPE-1893
TYPE-1894
TYPE-1895
TYPE-1896
TYPE-1897
TYPE-1898
TYPE-1899
TYPE-1900
TYPE-1901
TYPE-1902
TYPE-1903
TYPE-1904
TYPE-1905
TYPE-1906
TYPE-1907
TYPE-1908
TYPE-1909
TYPE-1910
TYPE-1911
TYPE-1912
TYPE-1913
TYPE-1914
TYPE-1915
TYPE-1916
TYPE-1917
TYPE-1918
TYPE-1919
TYPE-1920
TYPE-1921
TYPE-1922
TYPE-1923
TYPE-1924
TYPE-1925
TYPE-1926
TYPE-1927
TYPE-1928
TYPE-1929
TYPE-1930
TYPE-1931
TYPE-1932
TYPE-1933
TYPE-1934
TYPE-1935
TYPE-1936
TYPE-1937
TYPE-1938
TYPE-1939
TYPE-1940
TYPE-1941
TYPE-1942
TYPE-1943
TYPE-1944
TYPE-1945
TYPE-1946
TYPE-1947
TYPE-1948
TYPE-1949
TYPE-1950
TYPE-1951
TYPE-1952
TYPE-1953
TYPE-1954
TYPE-1955
TYPE-1956
TYPE-1957
TYPE-1958
TYPE-1959
TYPE-1960
TYPE-1961
TYPE-1962
TYPE-1963
TYPE-1964
TYPE-1965
TYPE-1966
TYPE-1967
TYPE-1968
TYPE-1969
TYPE-1970
TYPE-1971
TYPE-1972
TYPE-1973
TYPE-1974
TYPE-1975
TYPE-1976
TYPE-1977
TYPE-1978
TYPE-1979
TYPE-1980
TYPE-1981
TYPE-1982
TYPE-1983
TYPE-1984
TYPE-1985
TYPE-1986
TYPE-1987
TYPE-1988
TYPE-1989
TYPE-1990
TYPE-1991
TYPE-1992
TYPE-1993
TYPE-1994
TYPE-1995
TYPE-1996
TYPE-1997
TYPE-1998
TYPE-1999
TYPE-2000
TYPE-2001
TYPE-2002
TYPE-2003
TYPE-2004
TYPE-2005
TYPE-2006
TYPE-2007
TYPE-2008
TYPE-2009
TYPE-2010
TYPE-2011
TYPE-2012
TYPE-2013
TYPE-2014
TYPE-2015
TYPE-2016
TYPE-2017
TYPE-2018
TYPE-2019
TYPE-2020
TYPE-2021
TYPE-2022
TYPE-2023
TYPE-2024
TYPE-2025
TYPE-2026
TYPE-2027
TYPE-2028
TYPE-2029
TYPE-2030
TYPE-2031
TYPE-2032
TYPE-2033
TYPE-2034
TYPE-2035
TYPE-2036
TYPE-2037
TYPE-2038
TYPE-2039
TYPE-2040
TYPE-2041
TYPE-2042
TYPE-2043
TYPE-2044
TYPE-2045
TYPE-2046
TYPE-2047
TYPE-2048
TYPE-2049
TYPE-2050
TYPE-2051
TYPE-2052
TYPE-2053
TYPE-2054
TYPE-2055
TYPE-2056
TYPE-2057
TYPE-2058
TYPE-2059
TYPE-2060
TYPE-2061
TYPE-2062
TYPE-2063
TYPE-2064
TYPE-2065
TYPE-2066
TYPE-2067
TYPE-2068
TYPE-2069
TYPE-2070
TYPE-2071
TYPE-2072
TYPE-2073
TYPE-2074
TYPE-2075
TYPE-2076
TYPE-2077
TYPE-2078
TYPE-2079
TYPE-2080
TYPE-2081
TYPE-2082
TYPE-2083
TYPE-2084
TYPE-2085
TYPE-2086
TYPE-2087
TYPE-2088
TYPE-2089
TYPE-2090
TYPE-2091
TYPE-2092
TYPE-2093
TYPE-2094
TYPE-2095
TYPE-2096
TYPE-2097
TYPE-2098
TYPE-2099
TYPE-2100
TYPE-2101
TYPE-2102
TYPE-2103
TYPE-2104
TYPE-2105
TYPE-2106
TYPE-2107
TYPE-2108
TYPE-2109
TYPE-2110
TYPE-2111
TYPE-2112
TYPE-2113
TY

8 7 1

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED

D C B A

INDICATE B22 FF BST (J117C75.5)
DISPLAY BUFFER C19 J3C9 (P3C9J1119C295.5)
MQ-ACC BUFFER A20 J301C10
MQ-CM A7 J109B8
MQ-MQ BUFFER C7 J109B8
DISPLAY MQ C4
P3-C5 (CM 1/6 J207-B4) A4 A4U2-14
P3-D5 (CM 1/6 J207-A4) B4 A4U2-14
MQ-"1" RESET C8 J204B15
MQ-"1" SET D6 J204C18
DISPLAY
SHIFT B14 J3C8 (P3C8J1119A75.5)
SHIFT A6 J212C15
C9 (A205-2)
C4 (A205-2)
N-"1" SET
N-"1" RESET
TP1-10
DISPLAY ACC A16 J3C1 (P3C1J1119A2 75.5)
ACC-CM REG A6 J212C13
ACC-BALVAGE D6 J212A25
A-"1" E5-9 (A205-2)
A-"0" E6-8 (A205-2)
CLEAR ACC A13 J208C28
A-"1"-RESET B27 J204B16
A-"0"-SET A12 J204C9
DISPLAY BUFFER ACC A9 J3C2 (P3C2J1119A 61.5)
RIGHT SHIFT ACC C19 J110C17
TRANSFER TRUE B13 J208A27
CLEAR ACC BUFFER
C17 J208B28
K6-5 (A205-2)
NOTE: ALL CAPACITORS ARE .01 μF, 50 V, -80% +20%, EXCEPT AS SHOWN.
F5-5 (A205-2)
F5-4 (A205-2)
TP1-1
TP1-4
TP1-8
TP1-5
TP1-9
J208C30 D1 MQ-ACC BUFFER
J109B13 B7 MQ-CM
J109B8 C7 MQ-MQ BUFFER
J3C6 (P3C6J1119A35.5) C4 DISPLAY MQ
J202A19, J204C14, J206B8 C8 SHIFTED DATA (MQ)
J204A14, J203B24, J206C8 B15 SHIFTED DATA (MQ)
J208A28 C5 CLEAR MQ
J206C18 C14 MQ-"1" SET
J206B15 A14 MQ-"1" RESET
J109B15 (A205-2) A19 LEFT SHIFT MQ REG
J211C15 A15 LEFT SHIFT MQ REG
J208B23 B18 MQ BUFFER → MQ
J109B13 A8 RIGHT SHIFT MQ REG
J3C7 (P3C7J1119A70.5) B5 DISPLAY MQ BUFFER
C15 MQ-2
J214B15 B9 MQ-"1" RESET
J214C18 A9 MQ-"1" SET
J209B27 C14 (A205-2) DOUBLE
J305A17 B9 (A10) CARRY
J212B8 C6 ACC → CM
J212B24 A7 ACC → ACC
J212A19 C18 ACC → ACC
J212A3, C6 (A205-2) N-"1"
C7-5 (A205-2) N-"0"
J306C23 A7 ACC
J307A11 A7 ACC
J204B16, J203B23, J206B21 B4 SHIFTED DATA
J204C10, J203B31, J208A12 C9 SHIFTED DATA
J206C9 C10 A-"1"-SET
J206B16 B10 A-"0"-RESET
J212A13 A11 LEFT SHIFT ACC
J208B27 A10 TRANSFER FALSE
J214C9 B11 ACC-"1"-SET
J214B16 B12 ACC-"0"-RESET
J209B10 A18 DOUBLE → B ACC
J109C28 A8 ADDER → BUFFER ACC

B688040E

A205-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2-PLACE ±.03 ANGULAR ± 3-PLACE ±.010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS.	DR L Brown 9-30-67
MFR TO LINK STDS.	DR CHK J Newby 10.9.67
MATL	DESIGN CHK L Lobello 10.9.67
FINISH	MFG. CHK
	PROJ APPD A.J. Umbaum 10-11-67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

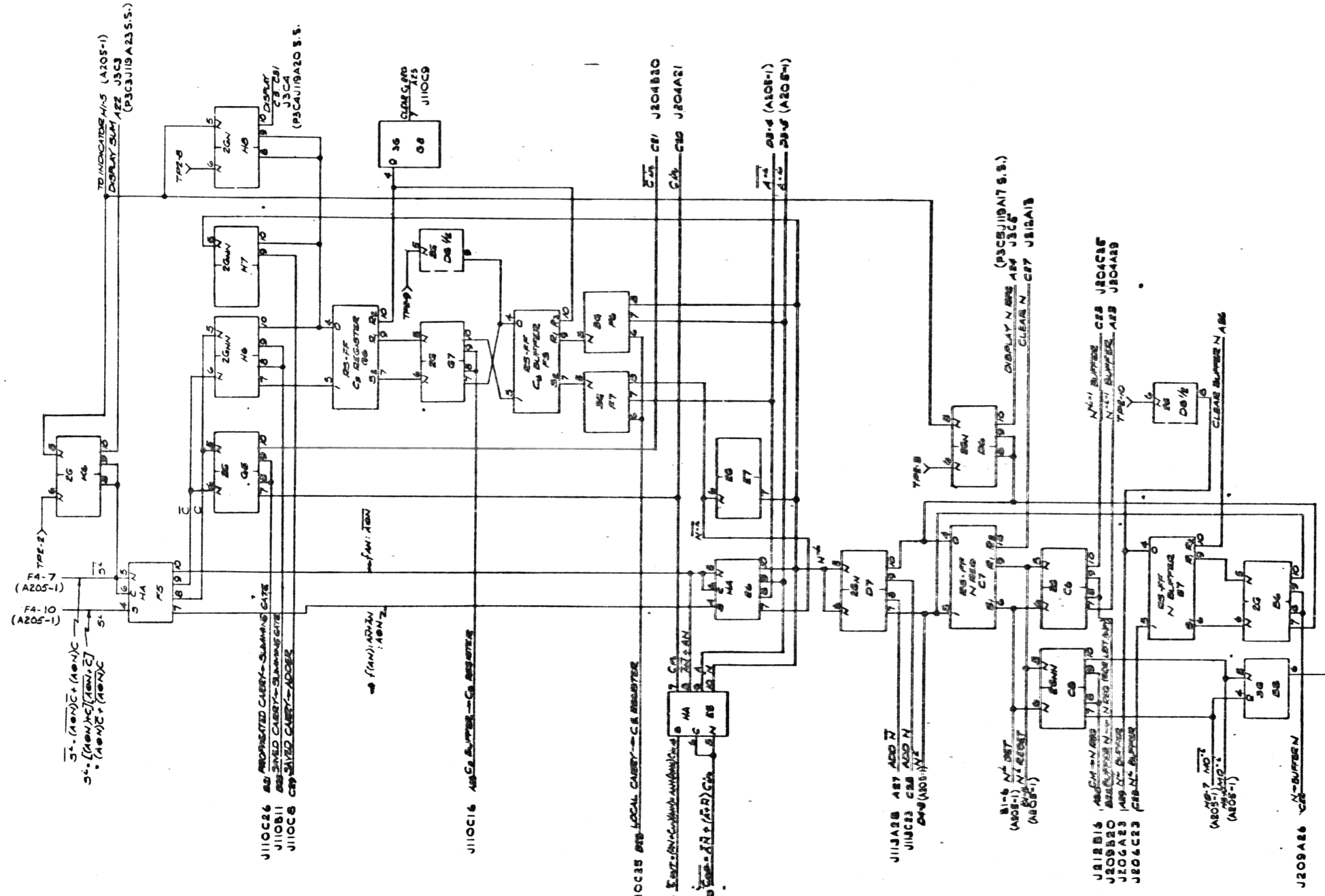
LOGIC DIAGRAM ARITHMETIC UNIT BIT 2-14

SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE NONE SHEET 49

687280 NEXT ASSY | AF370-T9 USED ON

FORM NO F-1474-40



A205-2

B6888040E

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL PER SHOP STDS.	DR Jim J. Lewis 9-28-67
MFR TO LINK STDS.	DR CHK J. Mowrey 10-9-67
MATL	DESIGN CHK L. Settle 10-9-67
FINISH	MFG. CHK
	PROJ APPD H. L. Anderson 10/9/67

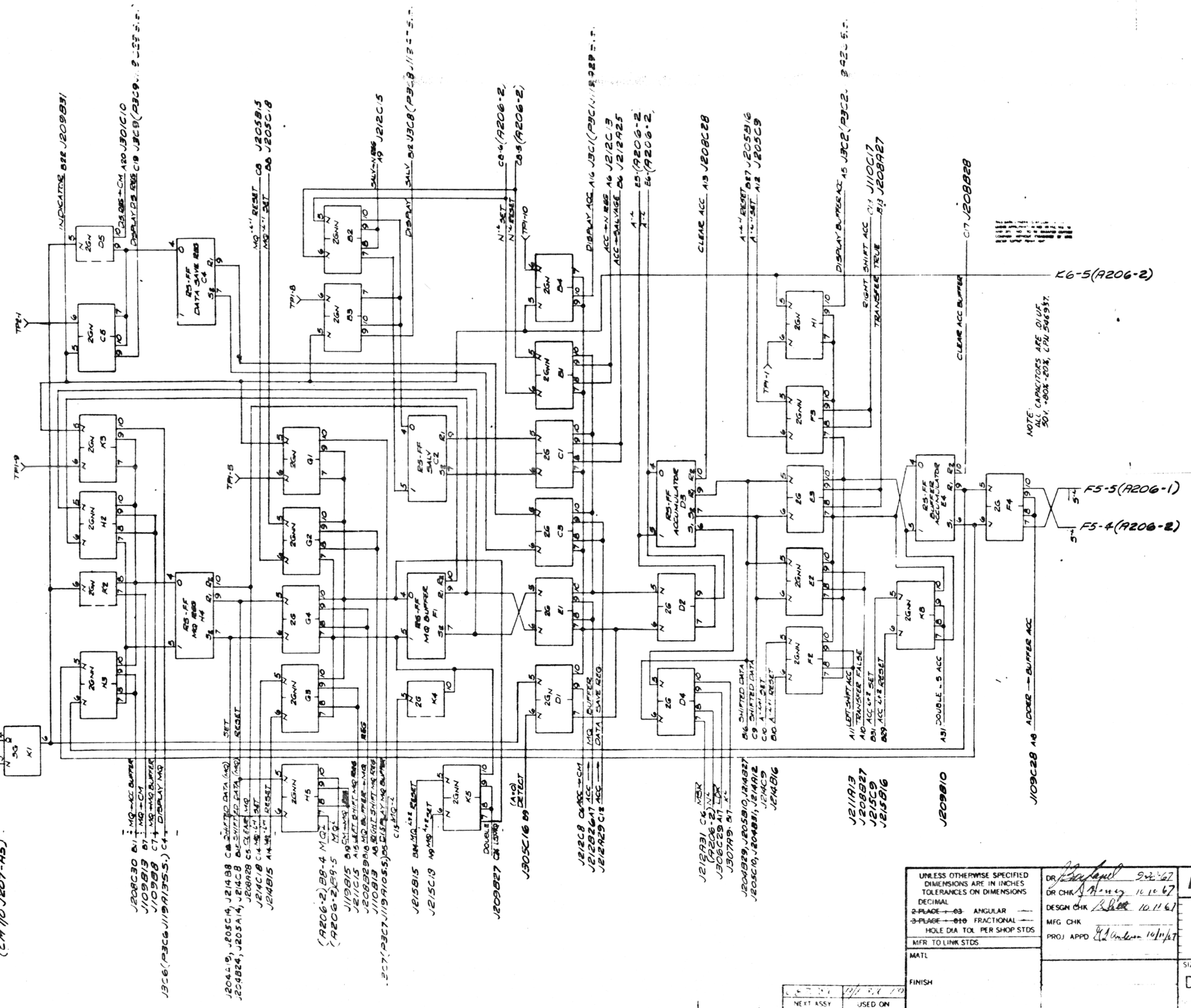
LINK GENERAL PRECISION, INC. — LINK GROUP, SYSTEMS DIVISION, BINGHAMTON, NEW YORK

LOGIC DIAGRAM
ARITHMETIC UNIT
BIT 2^{-14} $(i = 14)$

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B6888040E

SCALE NONE — SHEET 50

6B7280	NEXT ASSY	NF510-T9	USED ON



NOTE: CAPACITORS ARE 0.1 μF, 50V, ±80% -20%, CRL 5469 SY.

REVISIONS		
DESCRIPTION	DATE	APPROVED

B688040E A

B688040E1

A206-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR
3 PLACE ± .010 FRACTIONAL
HOLE DIA TOL PER SHOP STDS
MFR TO LINK STDS
MATL
FINISH

NEXT ASSY	USED ON

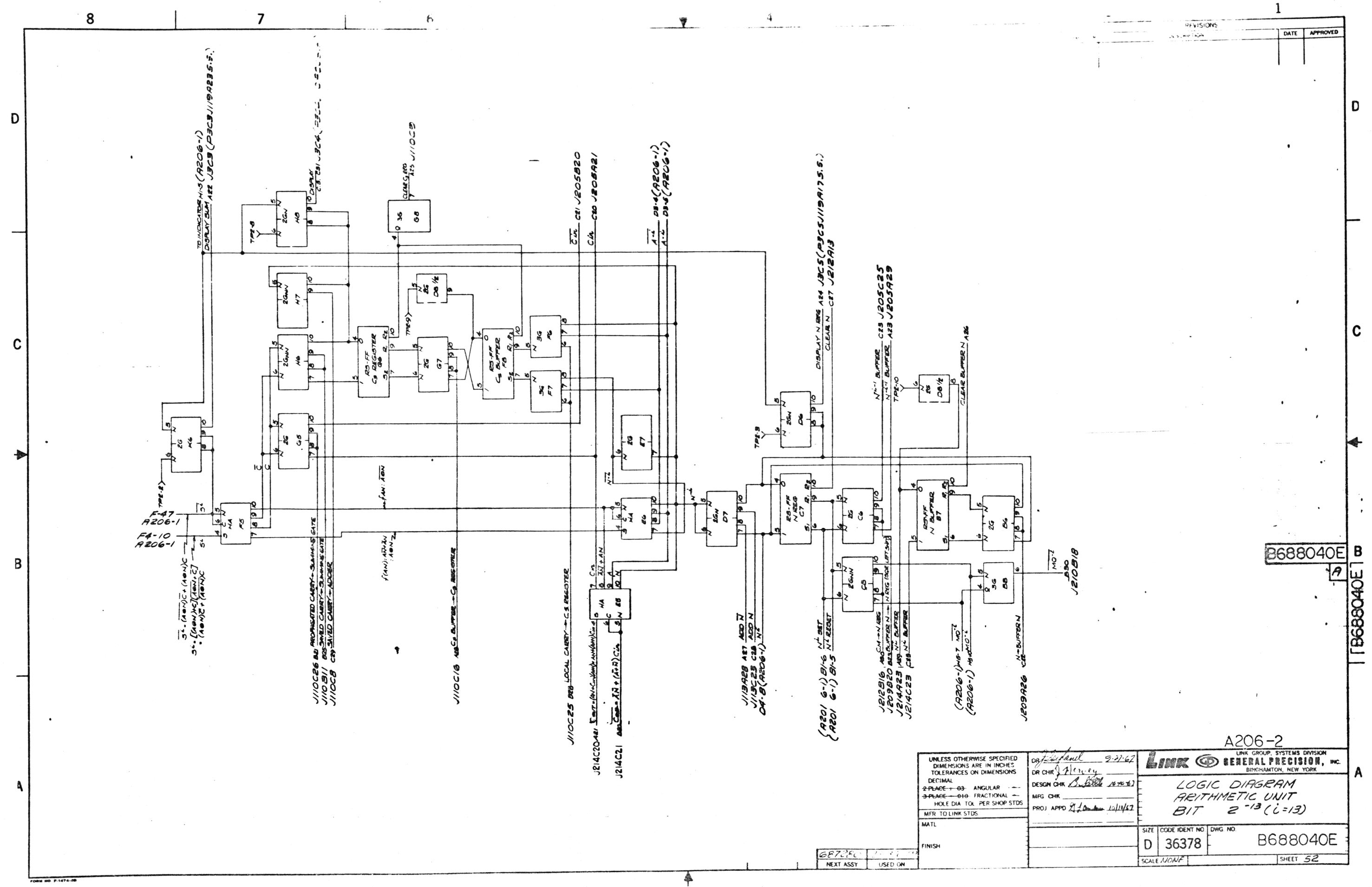
DR 9-22-67
DR CHK 10.10.67
DESGN CHK 10.11.67
MFG CHK
PROJ APPD 10/11/67

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

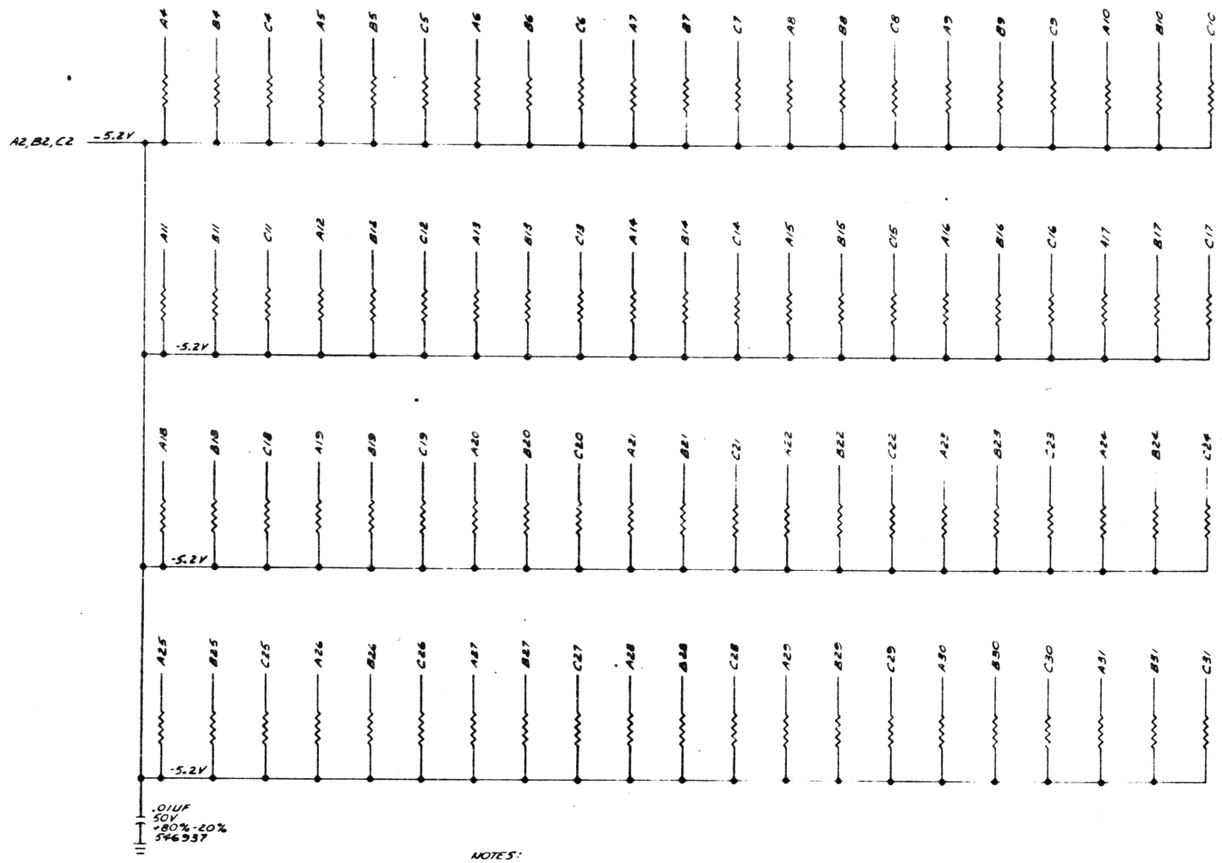
LOGIC DIAGRAM — ARITHMETIC UNIT, BIT 2^{-13} (i=13)

SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SHEET 51


REVISIONS
DATE
APPROVED
B688040E
A
A206-2
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK
LOGIC DIAGRAM
ARITHMETIC UNIT
BIT 2 -13 (i=13)
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA TOL PER SHOP STDS
MFR TO LINK STDS
MATL
FINISH
DR
DR CHK
DESGN CHK
MFG CHK
PROJ APPD
9-27-67
10/14/67
SIZE D
CODE IDENT NO. 36378
DWG NO. B688040E
SCALE NONE
SHEET 52
NEXT ASSY
USED ON
FORM NO. P-1474-28

DATE	APPROVED



NOTES:
1. ALL RESISTORS ARE 2.2K, 1/4W, 5% LPN #52057

B688040E B

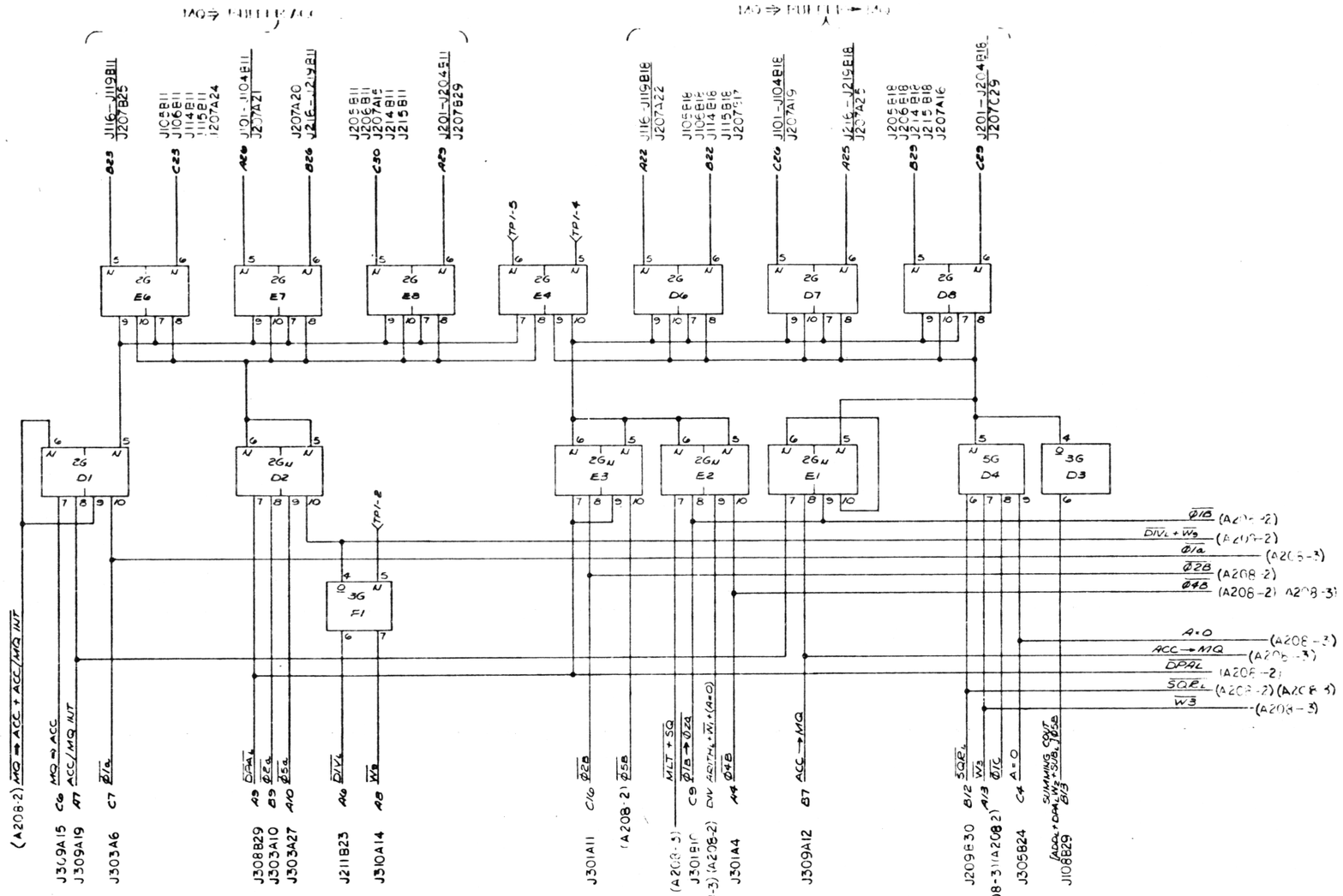
B688040E

A207

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL ~~2 PLACE ± .03~~ ANGULAR ~~3 PLACE ± .010~~ FRACTIONAL HOLE DIA TOL PER SHOP STDS	DR M Altman 10-3-67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MFR TO LINK STDS	DR CHK J Mowery 10-9-67	SCHEMATIC DIAGRAM — PULSE SHAPING
MATL	DESGN CHK [illegible] 10-9-67	
FINISH	MFG CHK	
	PROJ APPD J L Barbour 10/10/67	SIZE D · CODE IDENT NO 36378 · DWG NO B688040E
B688648 A/F 370-T9 SUPERSEDED ON		SCALE NONE · SHEET 53

FORM NO P 1474-49

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E A

[B688040E]

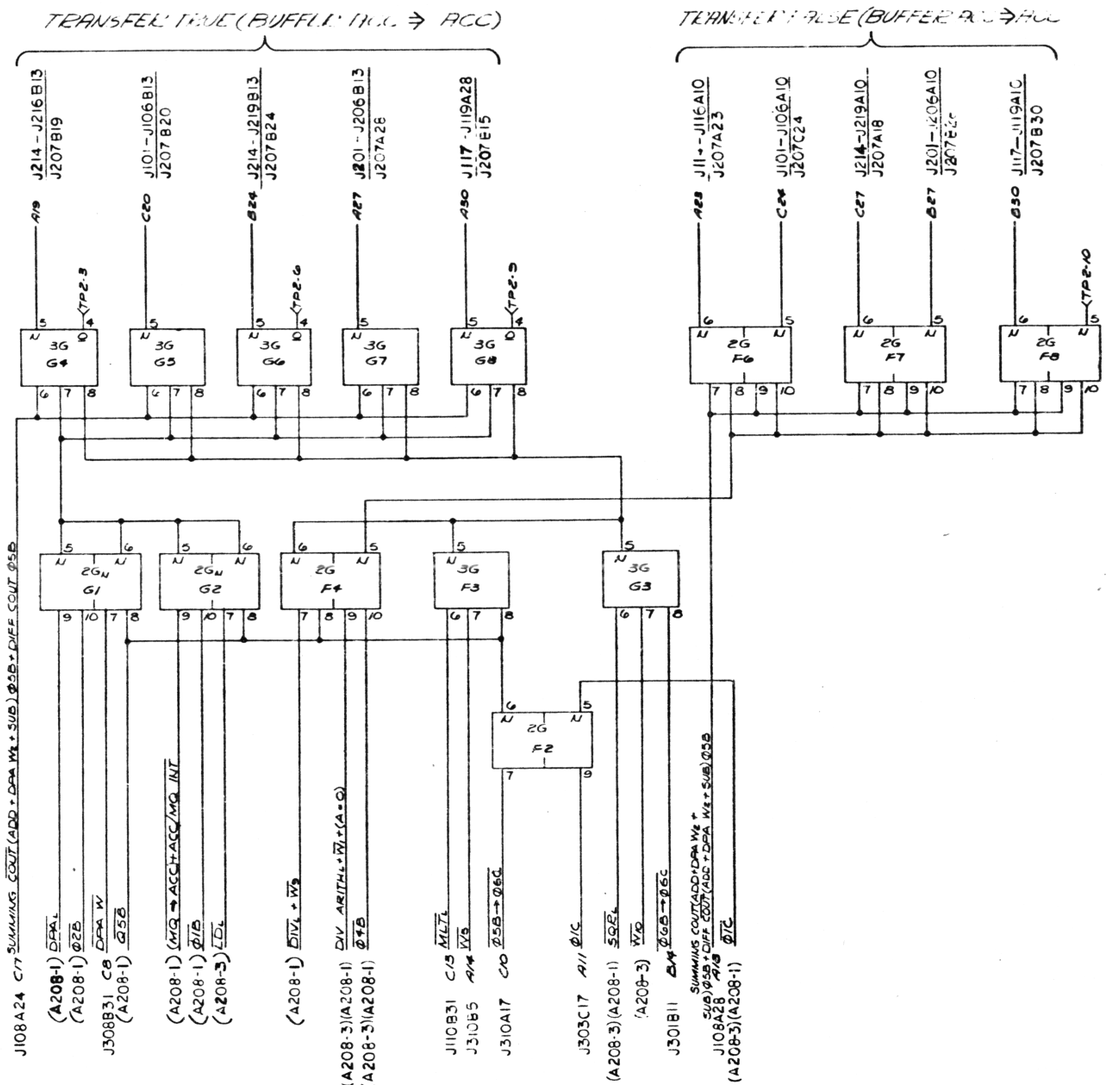
A208-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR [illegible] 12-6-67 DR CHK [illegible] DESGN CHK [illegible] 12-11-67 MFG. CHK PROJ. APPD	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM INTERNAL TRANSFER "B"
		SIZE D · CODE IDENT NO 36378 · DWG. NO B688040E · SCALE NONE · SHEET 54

687300	A/F37UT9
NEXT ASSY	USED ON

FORM NO. F 1474-02

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

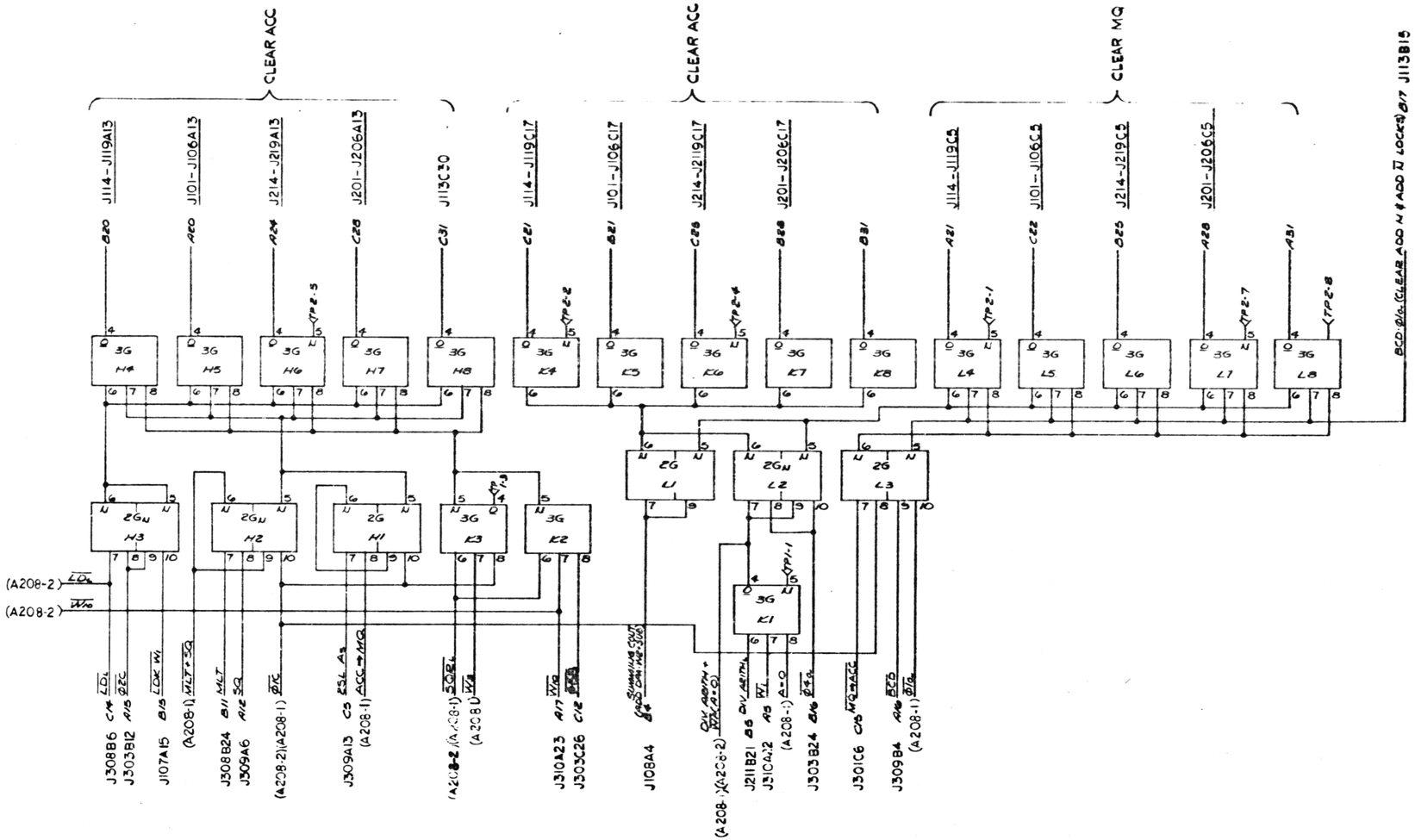
A208-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS.	DR [illegible] 11-1-61 DR CHK [illegible] 11-1-61 DESIGN CHK [illegible] MFG. CHK [illegible] PROJ. APPD [illegible] 11-1-61	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MATL		LOGIC DIAGRAM INTERNAL TRANSFER "B"
FINISH		SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E · SCALE NONE · SHEET 55

687300	A/F37UT9
NEXT ASSY	USED ON

FORM NO F 1674-4B

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E
A

[B688040E]

A208-3

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

687300	A/F37UT9
NEXT ASSY	USED ON

DR
DR. CHK
DESIGN CHK
MFG. CHK
PROJ. APPD

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

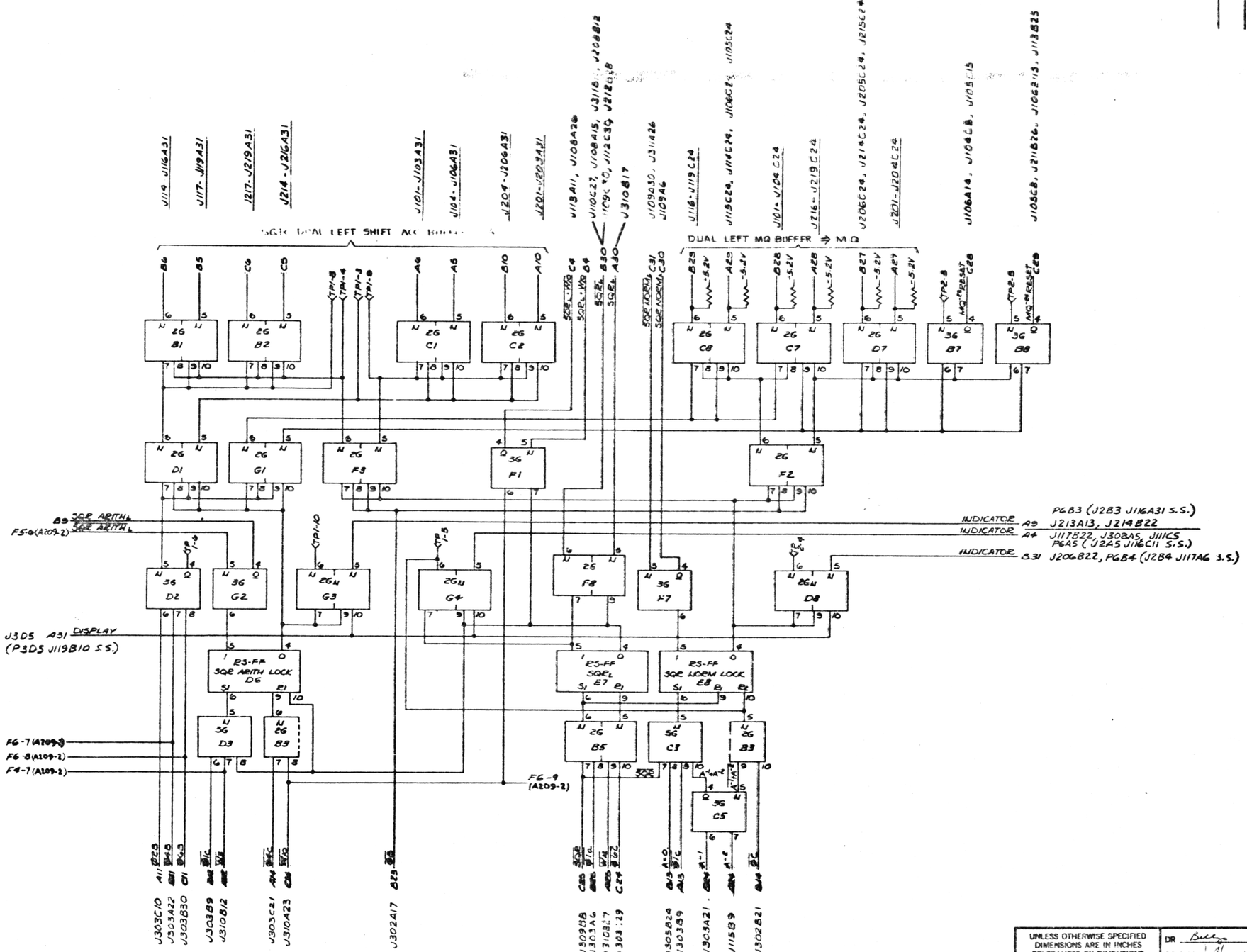
LOGIC DIAGRAM INTERNAL TRANSFER "B"

SIZE	CODE IDENT NO	DWG. NO.
D	36378	B688040E

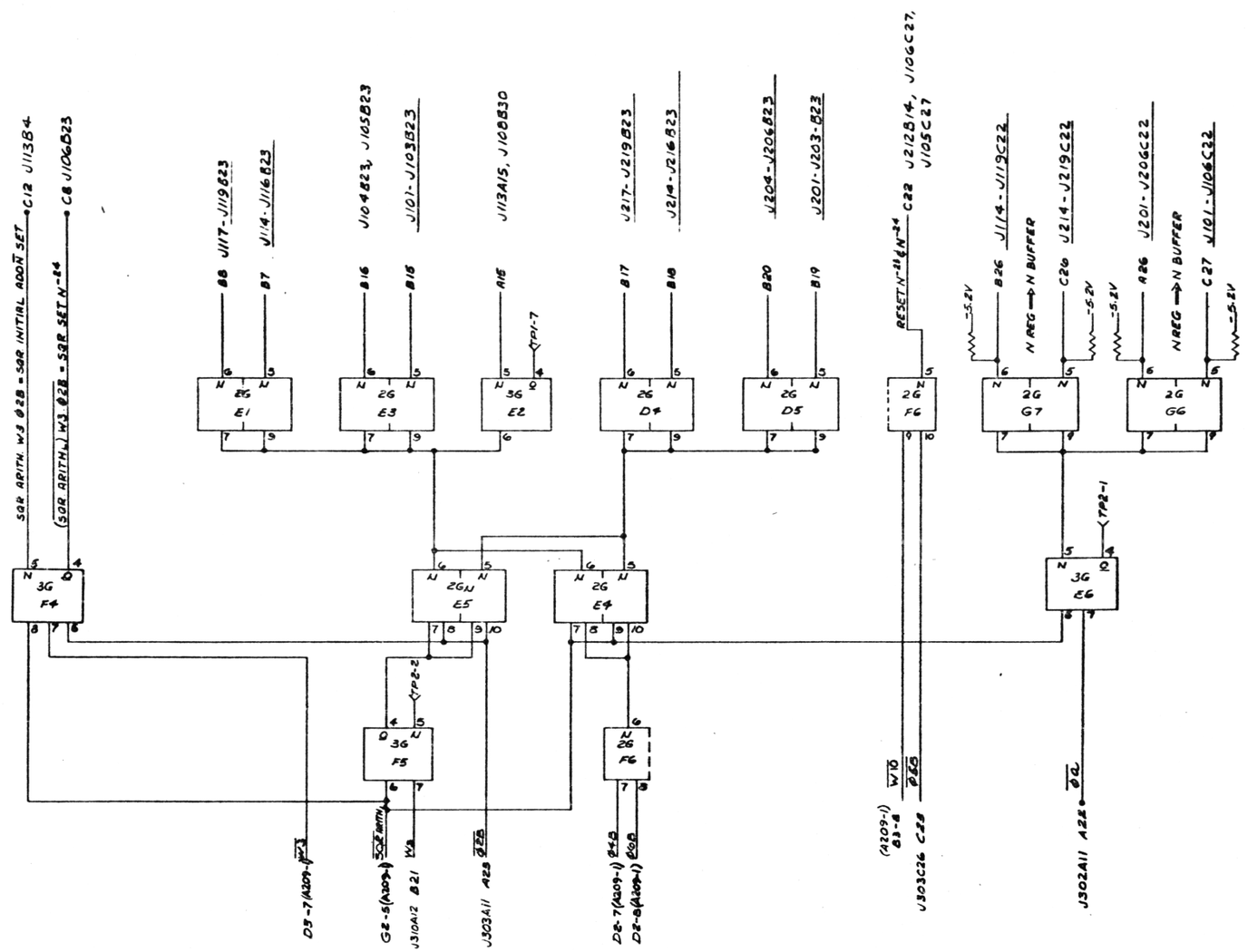
SCALE NONE SHEET 56

FORM NO. F-1674-40

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED


DUAL LEFT SHIFT ACC
DUAL LEFT MQ BUFFER ⇒ MQ
SQR ARITH
SQR ARITH
INDICATOR A9 J213A13, J214B22
INDICATOR A4 J117B22, J308A5, J111C5
INDICATOR B31 J206B22, PG84 (J284 J117A6 S.S.)
J3D5 A31 DISPLAY
(P3D5 J119B10 S.S.)
F6-7 (A209-2)
F6-8 (A209-1)
F4-7 (A209-1)
F6-9 (A209-2)
SQR LOGIC
SQR LOGIC
SQR LOGIC

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



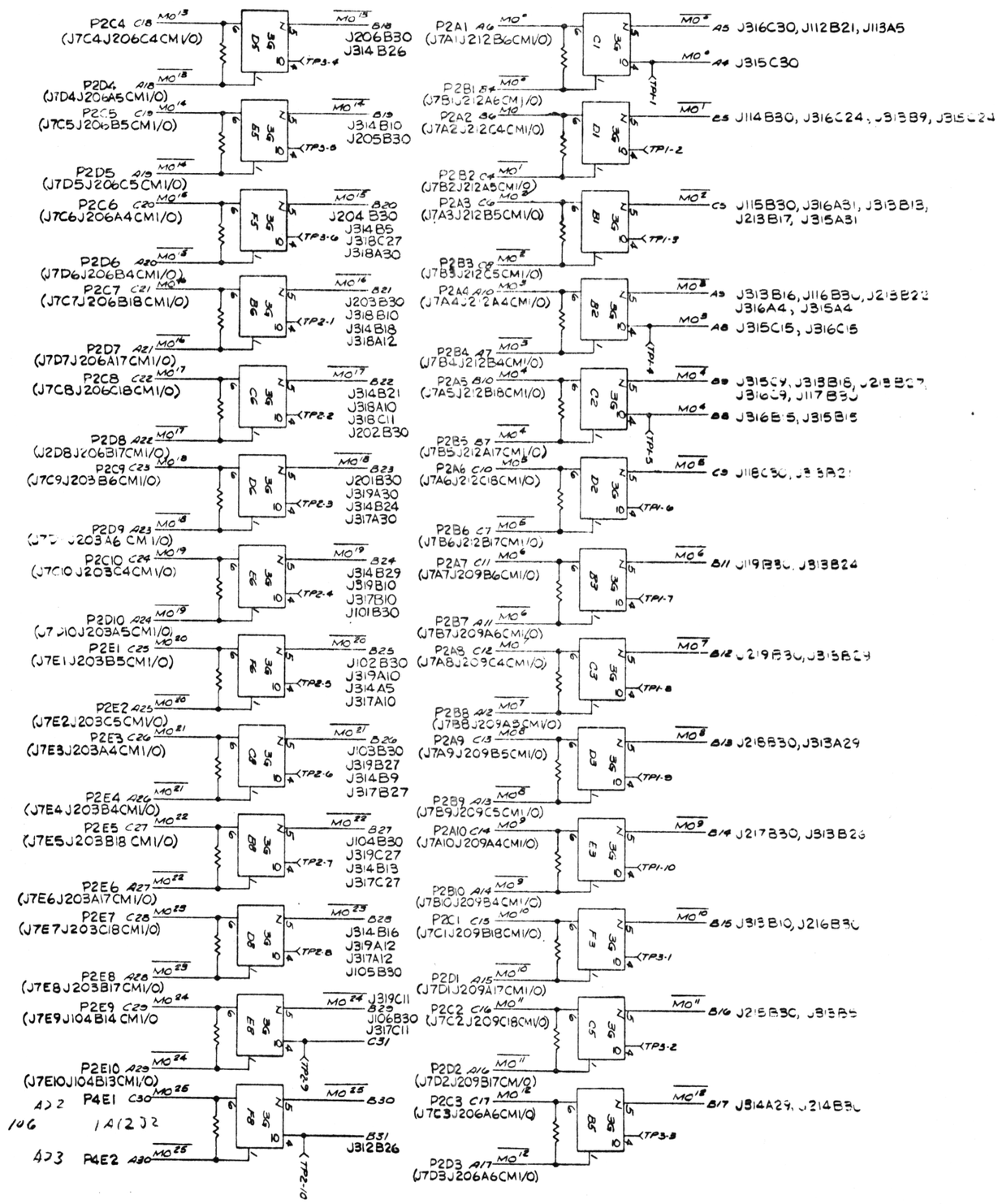
B6880 40E

[B6880 40E]

A209-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR Bueso 9-23-61 DR CHK [illegible] DESIGN CHK [illegible] MFG. CHK PROJ. APPD [illegible] 11/1/61	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK LOGIC DIAGRAM SQUARE ROOT CONTROL SIZE D · CODE IDENT NO. 36378 · DWG. NO. B6580-40E SCALE · SHEET 58

687292	A/F 37U-T9
NEXT ASSY	USED ON



NEXT ASSY

USED ON

FINISH

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS MFR TO LINK STDS

MATL

DR
DR CHK
DESIGN CHK
MFG CHK
PROJ. APPD

LINK GROUP SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

SIZE D | CODE IDENT NO 36378 | DWG NO B688040E | SHEET

SCALE

LOGIC DIAGRAM-
16 BIT DATA RECEIVER

A210

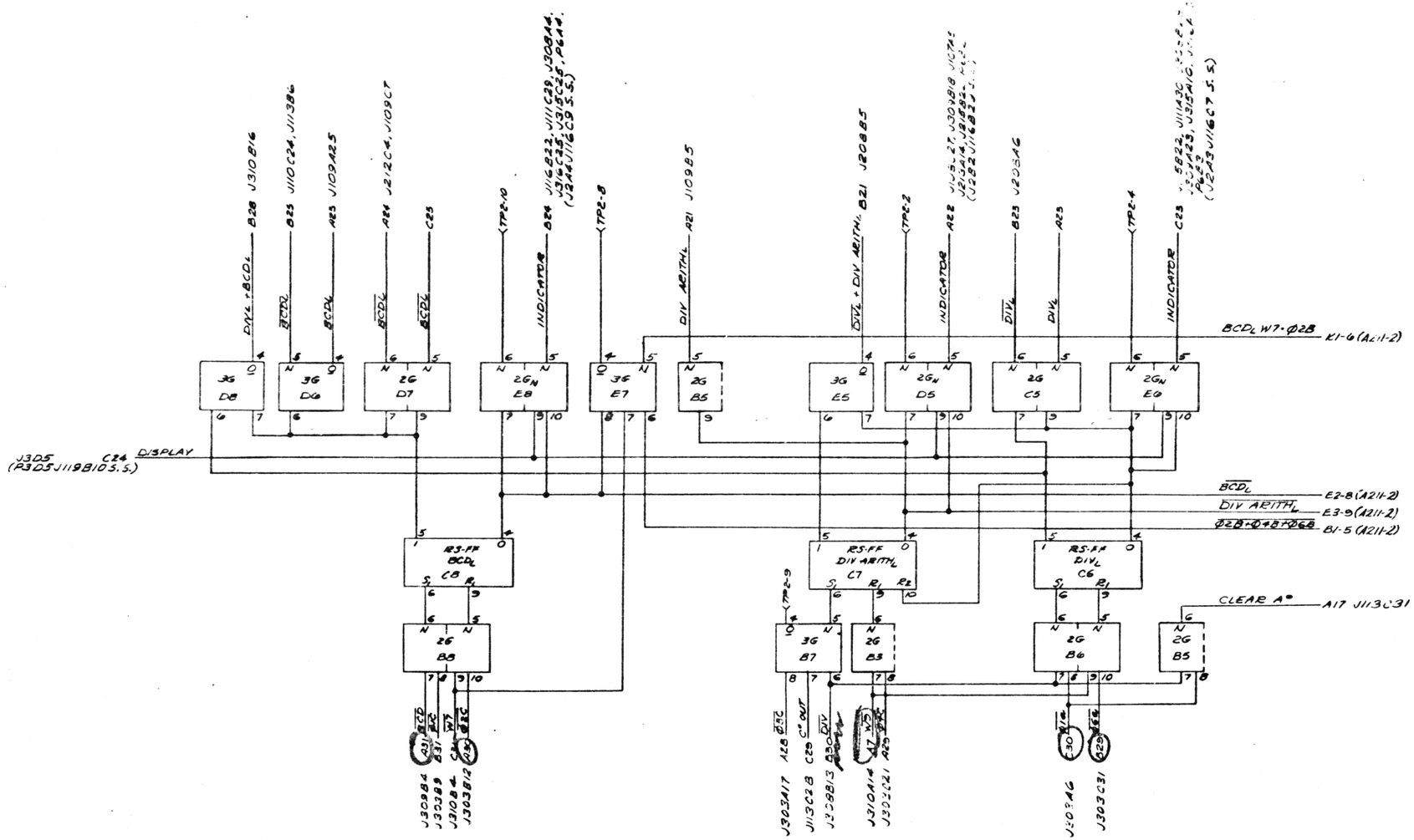
B688040E

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED

[B688040E]

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

A211-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	
DR CHK	
DESIGN CHK	
MFG. CHK	
PROJ. APPD	

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM
LEFT SHIFT CONTROL

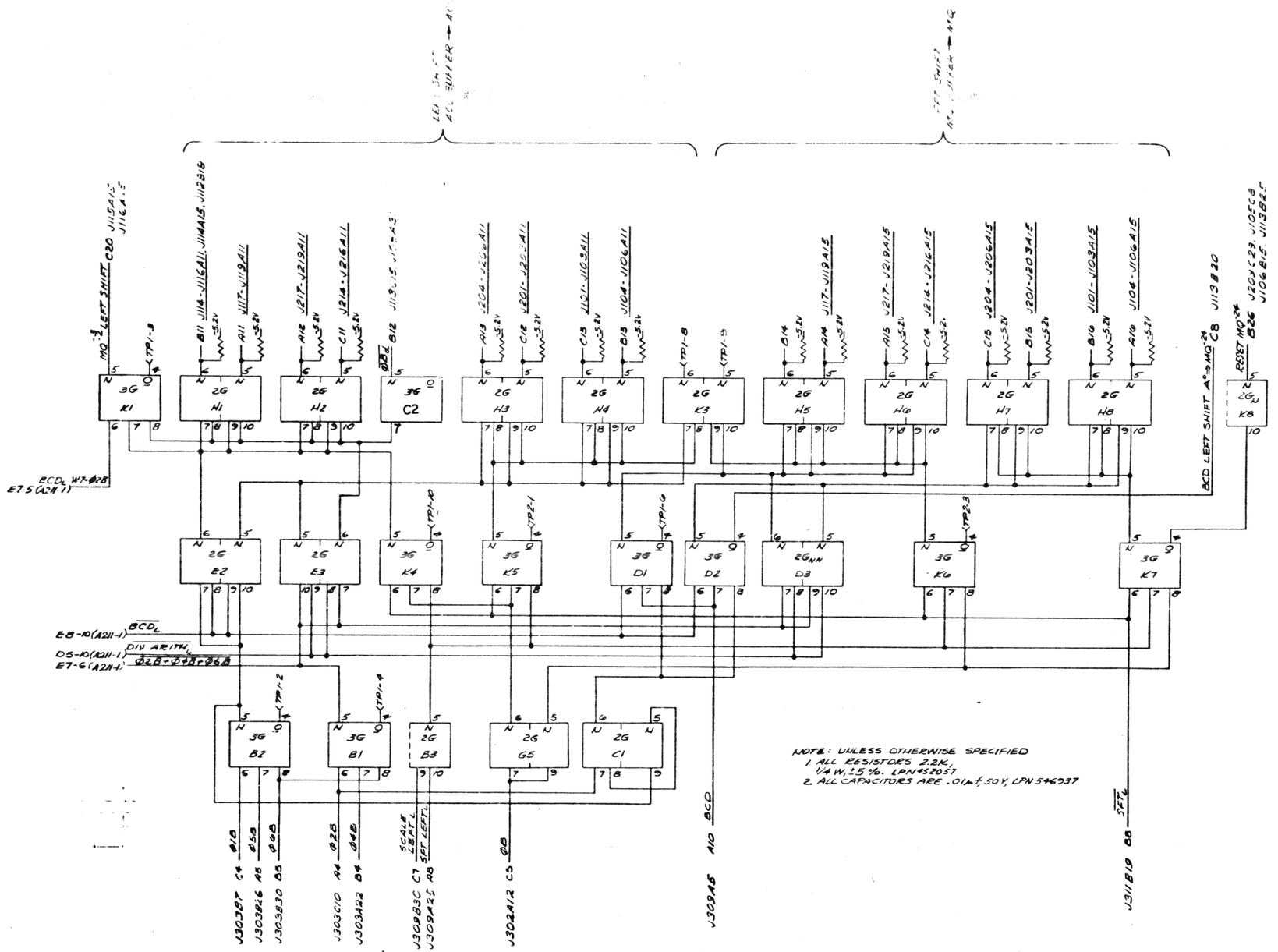
SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 60

NEXT ASSY	USED ON

FORM NO. F 1674-48

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTE: UNLESS OTHERWISE SPECIFIED
1 ALL RESISTORS 2.2K, 1/4 W, ±5%. LPN 452057
2 ALL CAPACITORS ARE .01 μf, 50 V, LPN 546937

B688040E

[B688040E]

A211-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MFR. TO LINK STDS.	DR CHK	LOGIC DIAGRAM LEFT SHIFT CONTROL
MATL	DESGN CHK	
FINISH	MFG. CHK	
	PROJ. APPD	SIZE D | CODE IDENT NO. 36378 | DWG. NO. B688040E
NEXT ASSY 4725 | USED ON A/N 3071		SCALE NONE | SHEET 61

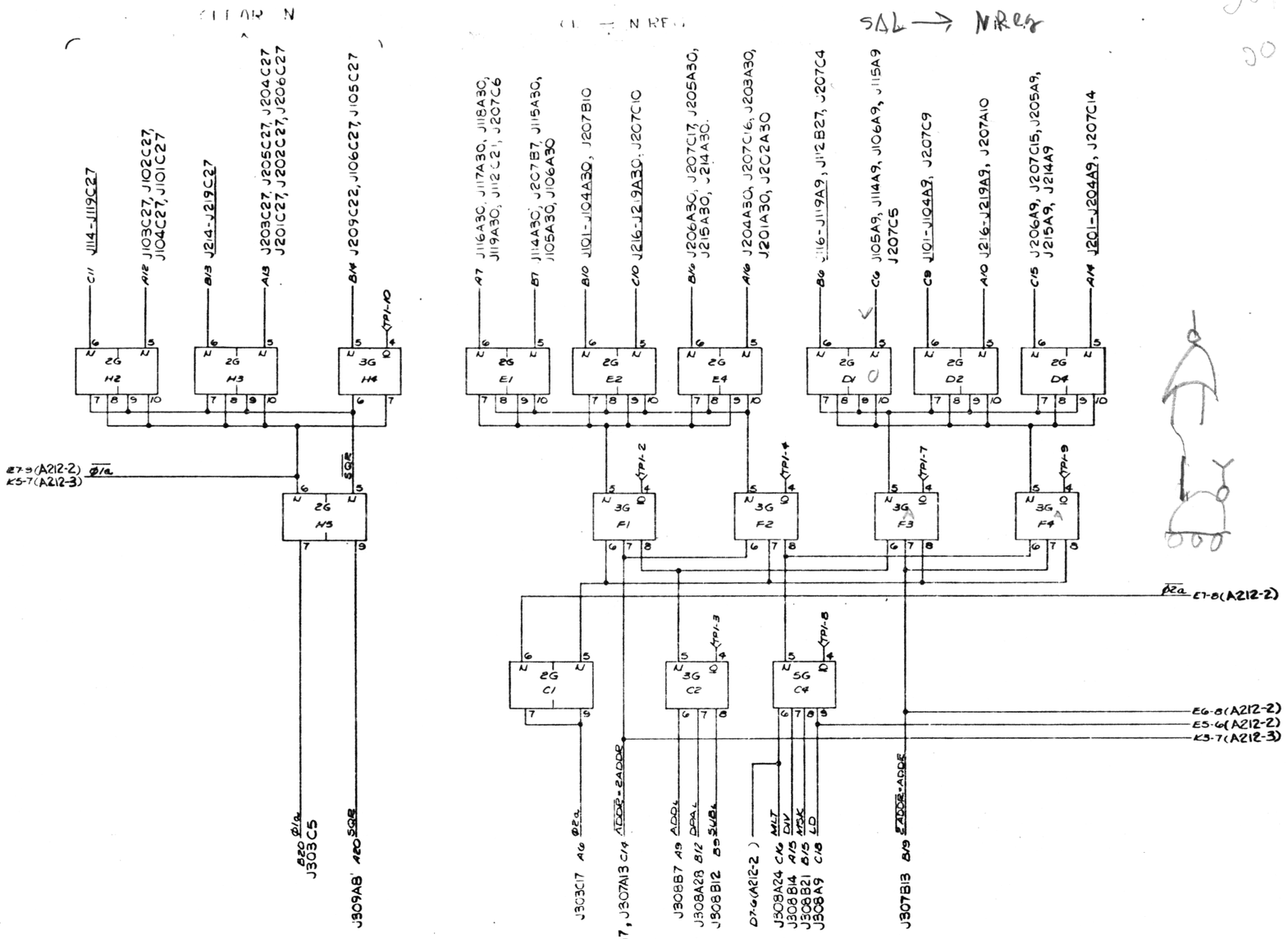
FORM NO. F-1474-48

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

J0 A000
J0

SAL → NREG

K1
K25
A3
A4
A7
M1
M5

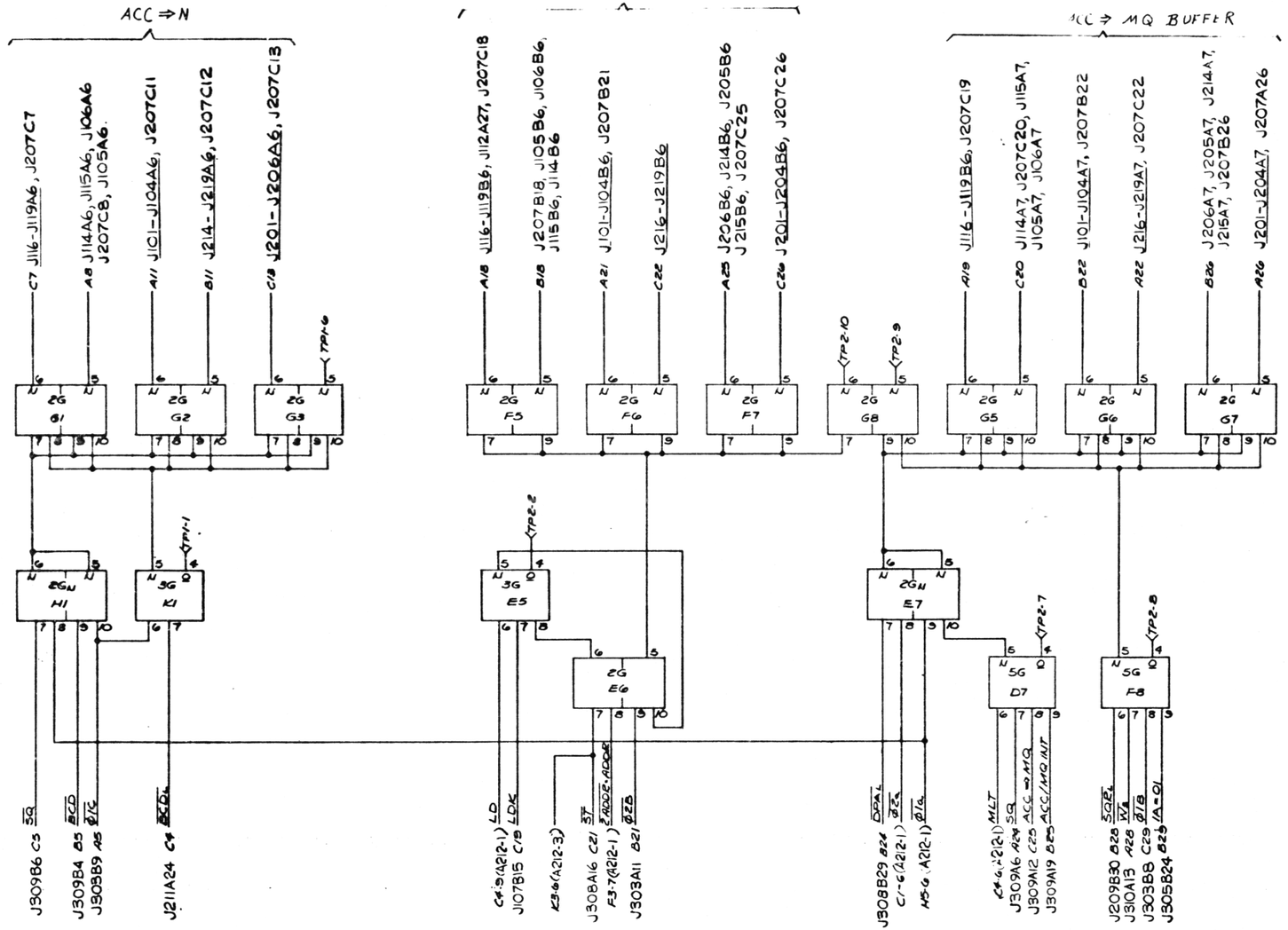


B688040E

J212-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR James C Brown 9-20-67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK	
MFR. TO LINK STDS.	DR CHK [illegible]	LOGIC DIAGRAM- INTERNAL TRANSFER "A"	
MATL	DESIGN CHK [illegible]		
FINISH	MFG. CHK		
	PROJ. APPD [illegible]	SIZE D / CODE IDENT NO 36378 / DWG. NO. B688040E	
687298 NEXT ASSY	N/F 370-T9 USED ON	SCALE NONE	SHEET 62

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

A212-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	Frances C. Brown	9-25-67
DR CHK		
DESGN CHK		
MFG. CHK		
PROJ. APPD		

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

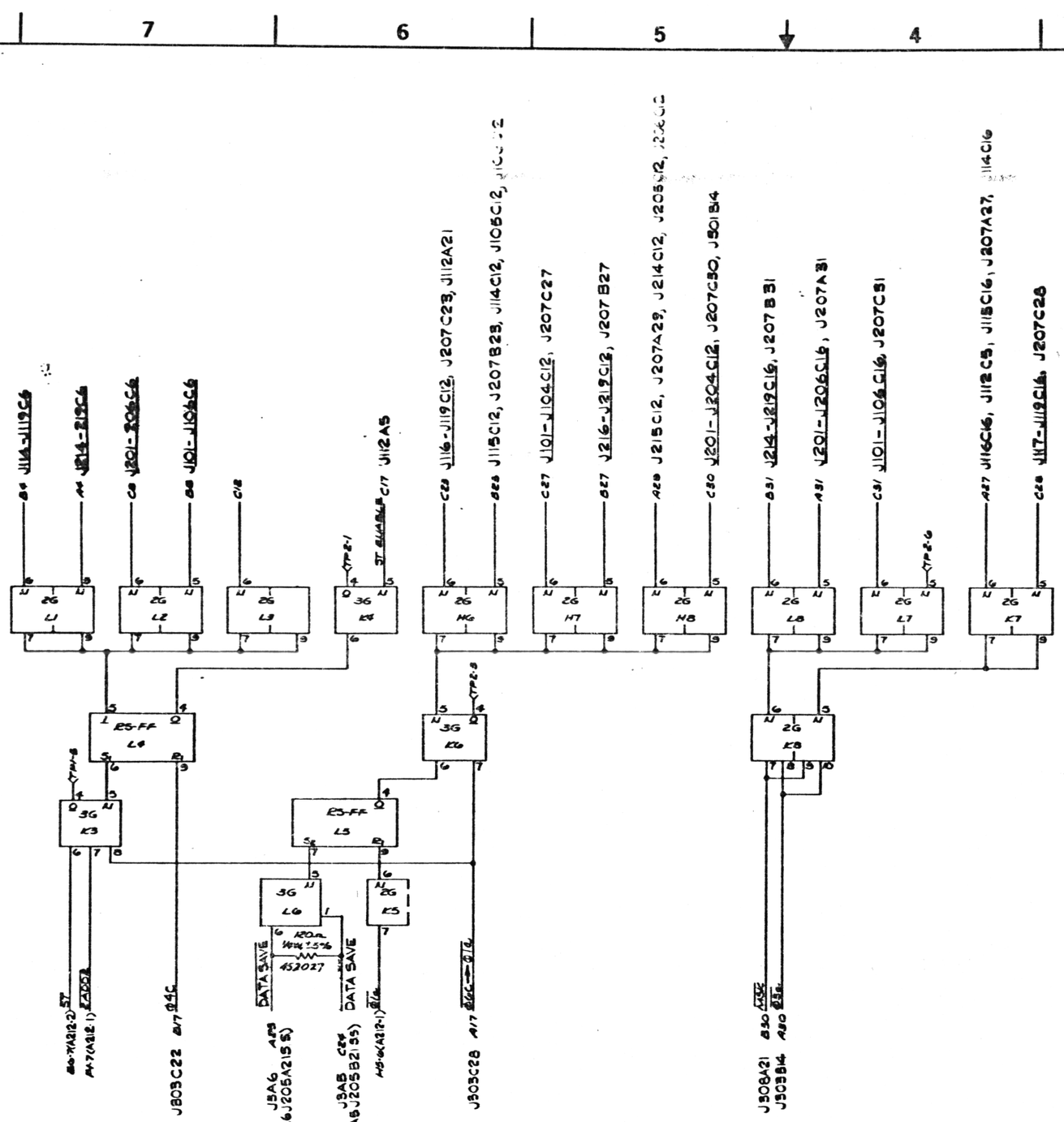
LOGIC DIAGRAM- INTERNAL TRANSFER "A"

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE SHEET 63

687298	A/F37U-T9
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

B688040E

J212-3

687298	NF370-T9		
NEXT ASSY	USED ON		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HIGHER DIM. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR James C. Brown 2-25-67
DR CHK J. Stevens
DESIGN CHK
MFG. CHK
PROJ. APPD

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM–
INTERNAL TRANSFER "A"

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE SHEET 64

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

J3C10(P3C10 J119826 S.S.) A25 DISPLAY DMA (A)
J3D1(P3D1 J119823 S.S.) B25 DISPLAY DMA (B)

J315A16 J315C29 A7 B7 CLEAR DEVICE LOCKS (LEVEL A) LEVEL A (RANGE - Ø to ∞)
J316A16 J316C29 B16 A16 CLEAR DEVICE LOCKS (LEVEL B) LEVEL B (RANGE, Ø to ∞)

J315A22 B12 SELECT DEVICE (LEVEL B)
J316A22 A17 SELECT DEVICE (LEVEL B)

J210 C5
J210 A9
J210 B9

B688040E A

A213

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

NEXT ASSY	USED ON

DR 9-22-67
DR CHK
DESIGN CHK
MFG. CHK
PROJ. APPD

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM — DMA DEVICE LOCKS A5-1A & B5-B8

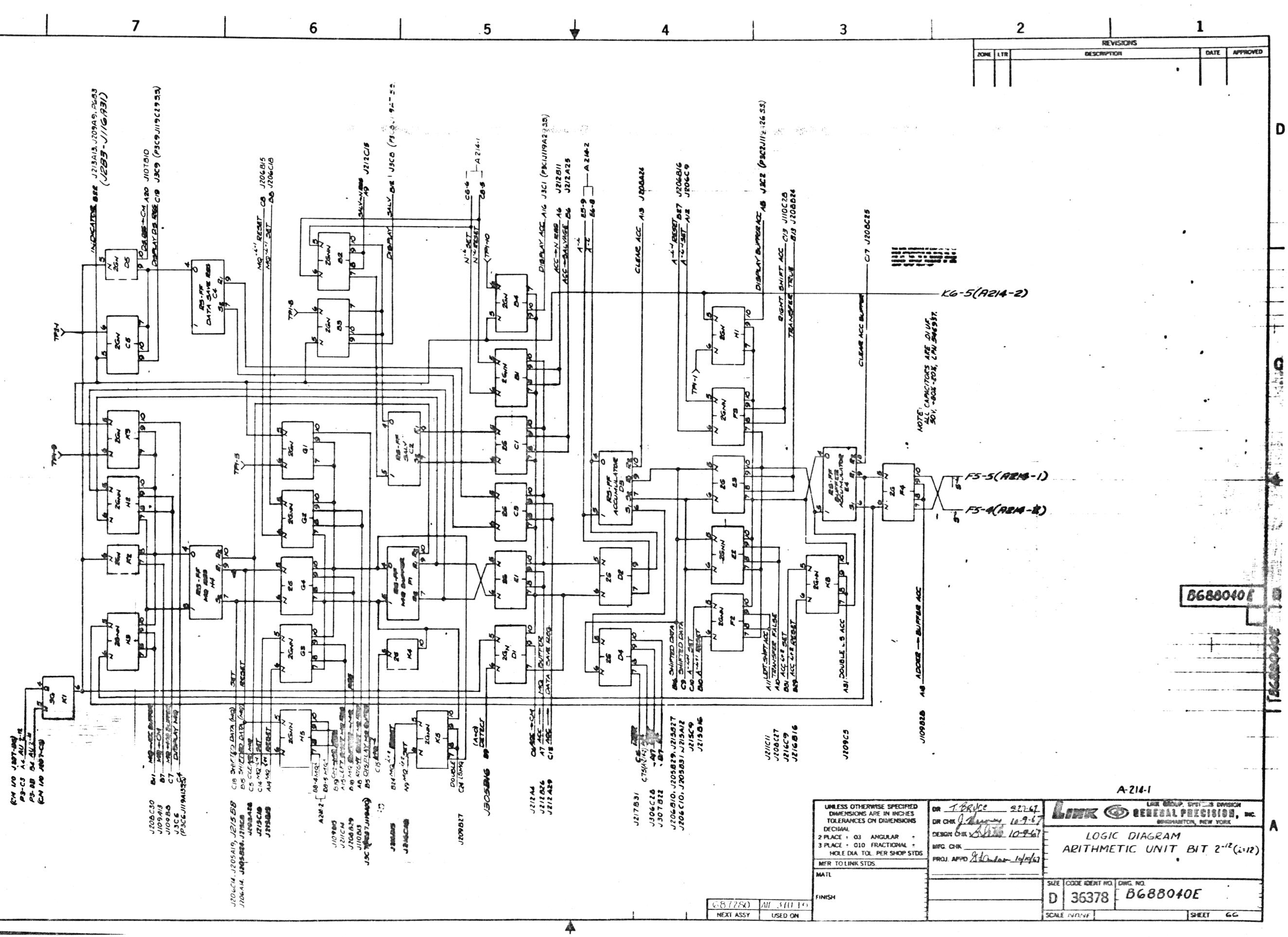
SIZE	CODE IDENT NO.	DWG. NO
D	36378	B688040E

SCALE SHEET 65

FORM NO. F-1474-48

8 7 6 5 4 3 2 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS
MFR TO LINK STDS.
MATL
FINISH

DR	T. BRYCE 9-27-67
DR CHK	J. Thompson 10-9-67
DESIGN CHK	[illegible] 10-9-67
MFG. CHK	
PROJ. APPD	[illegible] 10/10/67

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

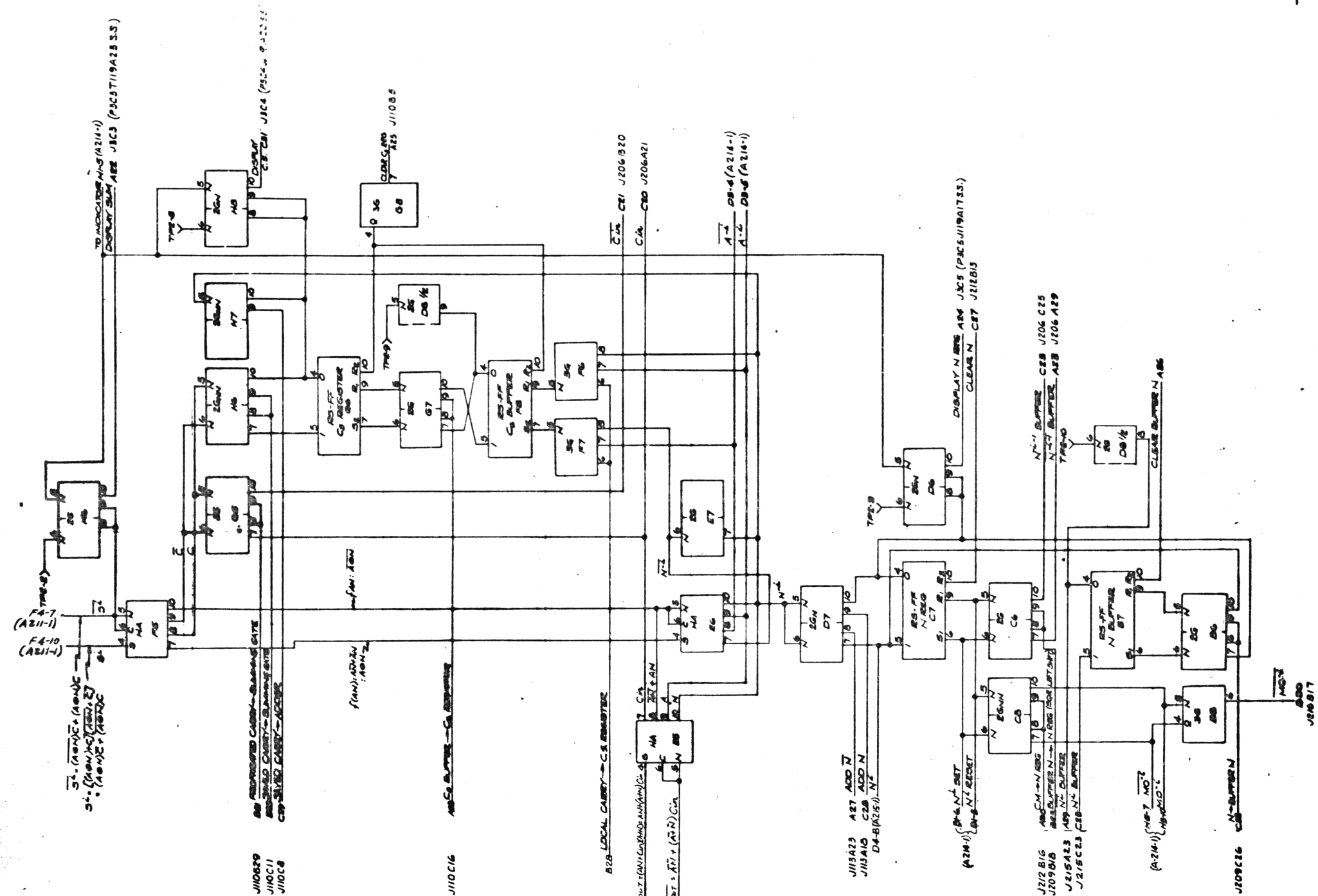
LOGIC DIAGRAM
ARITHMETIC UNIT BIT 2^{-12} (i=12)

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE SHEET 66

688780	AN/ASQ-19
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A214-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	T. BRUCE	9-28-67
DR CHK	J. Keeney	10-9-67
DESIGN CHK	R. Blake	10-9-67
MFG. CHK		
PROJ. APPD		10/10/67

687280	AIF37U-T9
NEXT ASSY	USED ON

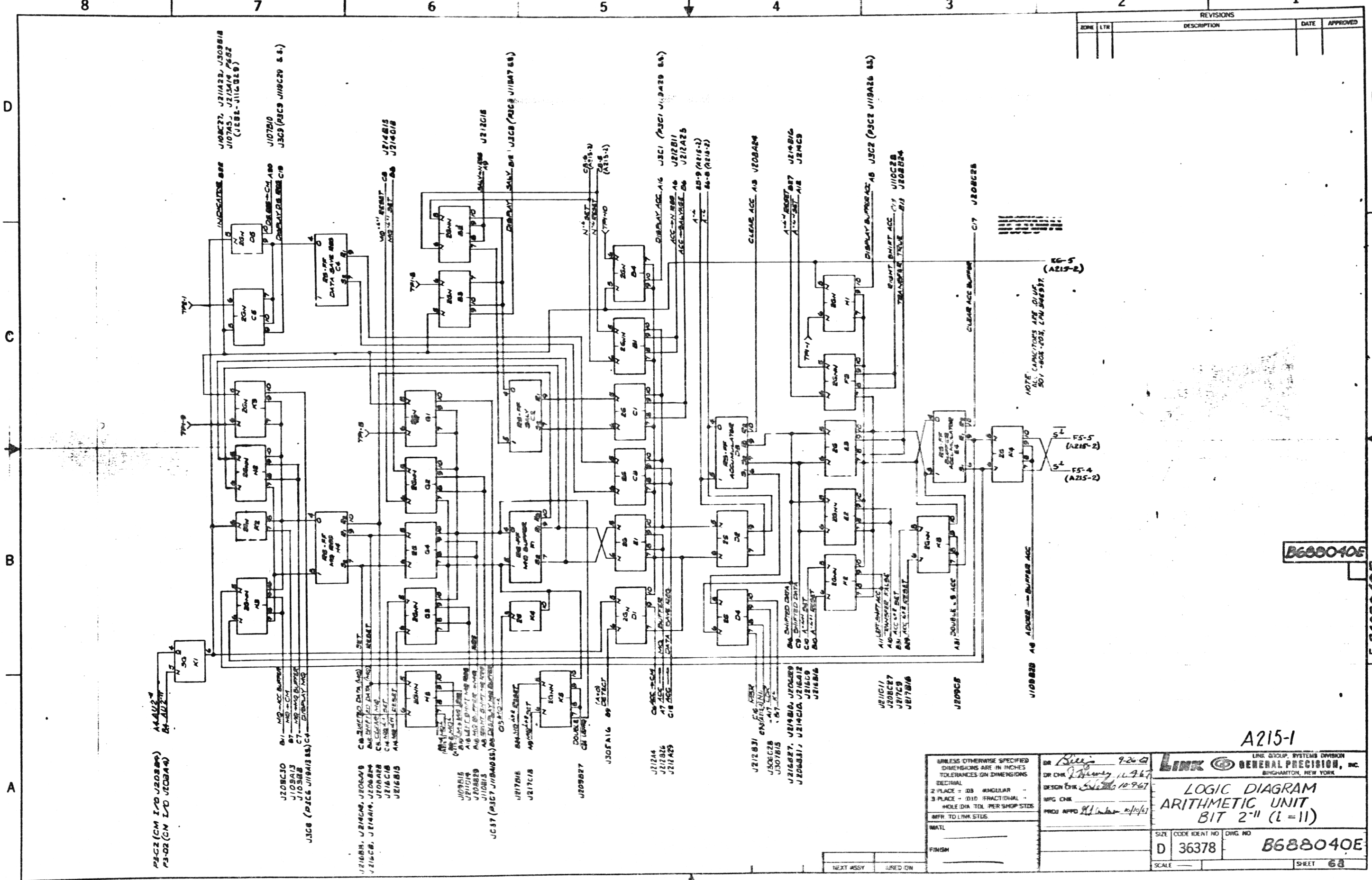
LINK GENERAL PRECISION, INC.

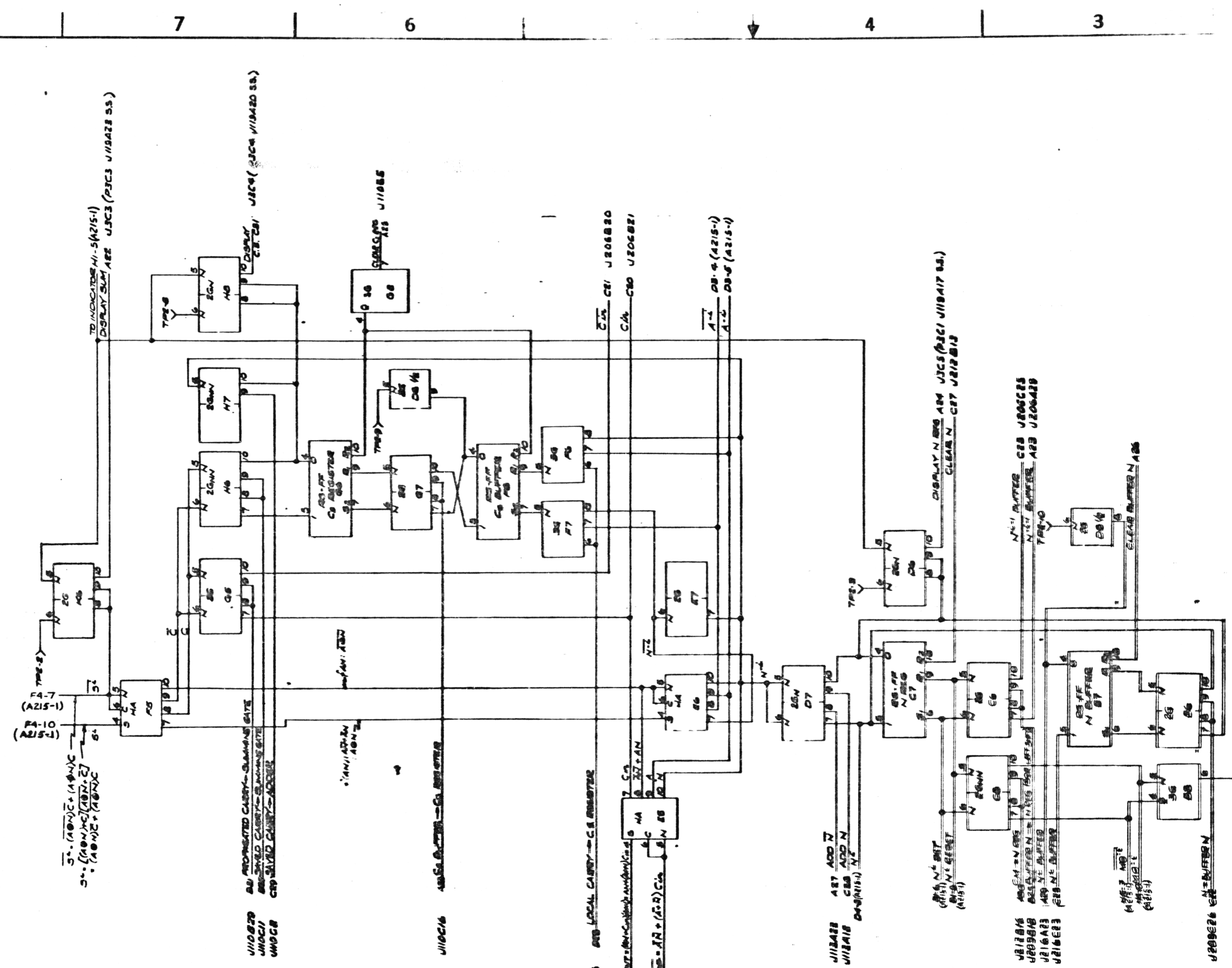
LOGIC DIAGRAM
ARITHMETIC UNIT BIT 2^{-12} (4 of 12)

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 67

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED


P2-C2 (CM I/O J20B39)
P3-D2 (CM I/O J20B40)
J20BC30
J109A13
J10938
J3C6 (P3C6 J1104B BB)
J1078/0
J3C9 (P3C9 J1104C29 BB)
J2146/5
J2146/8
J2126/8
J3C8 (P3C8 J1104B7 BB)
J3C1 (P3C1 J1104B9 BB)
J3C2 (P3C2 J1104A16 BB)
J1104C28
J20B834
J20B628
J20B4B4
J2126/6
J2124/5
J2128/1
J2124/2
J2124/3
J2124/4
J2124/6
J2124/9
J2126/7
J2126/8
J2126/9
J2126/12
J2126/13
J2126/16
J2126/17
J2126/18
J2126/19
J2126/20
J2126/21
J2126/22
J2126/23
J2126/24
J2126/25
J2126/26
J2126/27
J2126/28
J2126/29
J2126/30
J2126/31
J2126/32
J2126/33
J2126/34
J2126/35
J2126/36
J2126/37
J2126/38
J2126/39
J2126/40
J2126/41
J2126/42
J2126/43
J2126/44
J2126/45
J2126/46
J2126/47
J2126/48
J2126/49
J2126/50
J2126/51
J2126/52
J2126/53
J2126/54
J2126/55
J2126/56
J2126/57
J2126/58
J2126/59
J2126/60
J2126/61
J2126/62
J2126/63
J2126/64
J2126/65
J2126/66
J2126/67
J2126/68
J2126/69
J2126/70
J2126/71
J2126/72
J2126/73
J2126/74
J2126/75
J2126/76
J2126/77
J2126/78
J2126/79
J2126/80
J2126/81
J2126/82
J2126/83
J2126/84
J2126/85
J2126/86
J2126/87
J2126/88
J2126/89
J2126/90
J2126/91
J2126/92
J2126/93
J2126/94
J2126/95
J2126/96
J2126/97
J2126/98
J2126/99
J2126/100
J2126/101
J2126/102
J2126/103
J2126/104
J2126/105
J2126/106
J2126/107
J2126/108
J2126/109
J2126/110
J2126/111
J2126/112
J2126/113
J2126/114
J2126/115
J2126/116
J2126/117
J2126/118
J2126/119
J2126/120
J2126/121
J2126/122
J2126/123
J2126/124
J2126/125
J2126/126
J2126/127
J2126/128
J2126/129
J2126/130
J2126/131
J2126/132
J2126/133
J2126/134
J2126/135
J2126/136
J2126/137
J2126/138
J2126/139
J2126/140
J2126/141
J2126/142
J2126/143
J2126/144
J2126/145
J2126/146
J2126/147
J2126/148
J2126/149
J2126/150
J2126/151
J2126/152
J2126/153
J2126/154
J2126/155
J2126/156
J2126/157
J2126/158
J2126/159
J2126/160
J2126/161
J2126/162
J2126/163
J2126/164
J2126/165
J2126/166
J2126/167
J2126/168
J2126/169
J2126/170
J2126/171
J2126/172
J2126/173
J2126/174
J2126/175
J2126/176
J2126/177
J2126/178
J2126/179
J2126/180
J2126/181
J2126/182
J2126/183
J2126/184
J2126/185
J2126/186
J2126/187
J2126/188
J2126/189
J2126/190
J2126/191
J2126/192
J2126/193
J2126/194
J2126/195
J2126/196
J2126/197
J2126/198
J2126/199
J2126/200
J2126/201
J2126/202
J2126/203
J2126/204
J2126/205
J2126/206
J2126/207
J2126/208
J2126/209
J2126/210
J2126/211
J2126/212
J2126/213
J2126/214
J2126/215
J2126/216
J2126/217
J2126/218
J2126/219
J2126/220
J2126/221
J2126/222
J2126/223
J2126/224
J2126/225
J2126/226
J2126/227
J2126/228
J2126/229
J2126/230
J2126/231
J2126/232
J2126/233
J2126/234
J2126/235
J2126/236
J2126/237
J2126/238
J2126/239
J2126/240
J2126/241
J2126/242
J2126/243
J2126/244
J2126/245
J2126/246
J2126/247
J2126/248
J2126/249
J2126/250
J2126/251
J2126/252
J2126/253
J2126/254
J2126/255
J2126/256
J2126/257
J2126/258
J2126/259
J2126/260
J2126/261
J2126/262
J2126/263
J2126/264
J2126/265
J2126/266
J2126/267
J2126/268
J2126/269
J2126/270
J2126/271
J2126/272
J2126/273
J2126/274
J2126/275
J2126/276
J2126/277
J2126/278
J2126/279
J2126/280
J2126/281
J2126/282
J2126/283
J2126/284
J2126/285
J2126/286
J2126/287
J2126/288
J2126/289
J2126/290
J2126/291
J2126/292
J2126/293
J2126/294
J2126/295
J2126/296
J2126/297
J2126/298
J2126/299
J2126/300
J2126/301
J2126/302
J2126/303
J2126/304
J2126/305
J2126/306
J2126/307
J2126/308
J2126/309
J2126/310
J2126/311
J2126/312
J2126/313
J2126/314
J2126/315
J2126/316
J2126/317
J2126/318
J2126/319
J2126/320
J2126/321
J2126/322
J2126/323
J2126/324
J2126/325
J2126/326
J2126/327
J2126/328
J2126/329
J2126/330
J2126/331
J2126/332
J2126/333
J2126/334
J2126/335
J2126/336
J2126/337
J2126/338
J2126/339
J2126/340
J2126/341
J2126/342
J2126/343
J2126/344
J2126/345
J2126/346
J2126/347
J2126/348
J2126/349
J2126/350
J2126/351
J2126/352
J2126/353
J2126/354
J2126/355
J2126/356
J2126/357
J2126/358
J2126/359
J2126/360
J2126/361
J2126/362
J2126/363
J2126/364
J2126/365
J2126/366
J2126/367
J2126/368
J2126/369
J2126/370
J2126/371
J2126/372
J2126/373
J2126/374
J2126/375
J2126/376
J2126/377
J2126/378
J2126/379
J2126/380
J2126/381
J2126/382
J2126/383
J2126/384
J2126/385
J2126/386
J2126/387
J2126/388
J2126/389
J2126/390
J2126/391
J2126/392
J2126/393
J2126/394
J2126/395
J2126/396
J2126/397
J2126/398
J2126/399
J2126/400
J2126/401
J2126/402
J2126/403
J2126/404
J2126/405
J2126/406
J2126/407
J2126/408
J2126/409
J2126/410
J2126/411
J2126/412
J2126/413
J2126/414
J2126/415
J2126/416
J2126/417
J2126/418
J2126/419
J2126/420
J2126/421
J2126/422
J2126/423
J2126/424
J2126/425
J2126/426
J2126/427
J2126/428
J2126/429
J2126/430
J2126/431
J2126/432
J2126/433
J2126/434
J2126/435
J2126/436
J2126/437
J2126/438
J2126/439
J2126/440
J2126/441
J2126/442
J2126/443
J2126/444
J2126/445
J2126/446
J2126/447
J2126/448
J2126/449
J2126/450
J2126/451
J2126/452
J2126/453
J2126/454
J2126/455
J2126/456
J2126/457
J2126/458
J2126/459
J2126/460
J2126/461
J2126/462
J2126/463
J2126/464
J2126/465
J2126/466
J2126/467
J2126/468
J2126/469
J2126/470
J2126/471
J2126/472
J2126/473
J2126/474
J2126/475
J2126/476
J2126/477
J2126/478
J2126/479
J2126/480
J2126/481
J2126/482
J2126/483
J2126/484
J2126/485
J2126/486
J2126/487
J2126/488
J2126/489
J2126/490
J2126/491
J2126/492
J2126/493
J2126/494
J2126/495
J2126/496
J2126/497
J2126/498
J2126/499
J2126/500
J2126/501
J2126/502
J2126/503
J2126/504
J2126/505
J2126/506
J2126/507
J2126/508
J2126/509
J2126/510
J2126/511
J2126/512
J2126/513
J2126/514
J2126/515
J2126/516
J2126/517
J2126/518
J2126/519
J2126/520
J2126/521
J2126/522
J2126/523
J2126/524
J2126/525
J2126/526
J2126/527
J2126/528
J2126/529
J2126/530
J2126/531
J2126/532
J2126/533
J2126/534
J2126/535
J2126/536
J2126/537
J2126/538
J2126/539
J2126/540
J2126/541
J2126/542
J2126/543
J2126/544
J2126/545
J2126/546
J2126/547
J2126/548
J2126/549
J2126/550
J2126/551
J2126/552
J2126/553
J2126/554
J2126/555
J2126/556
J2126/557
J2126/558
J2126/559
J2126/560
J2126/561
J2126/562
J2126/563
J2126/564
J2126/565
J2126/566
J2126/567
J2126/568
J2126/569
J2126/570
J2126/571
J2126/572
J2126/573
J2126/574
J2126/575
J2126/576
J2126/577
J2126/578
J2126/579
J2126/580
J2126/581
J2126/582
J2126/583
J2126/584
J2126/585
J2126/586
J2126/587
J2126/588
J2126/589
J2126/590
J2126/591
J2126/592
J2126/593
J2126/594
J2126/595
J2126/596
J2126/597
J2126/598
J2126/599
J2126/600
J2126/601
J2126/602
J2126/603
J2126/604
J2126/605
J2126/606
J2126/607
J2126/608
J2126/609
J2126/610
J2126/611
J2126/612
J2126/613
J2126/614
J2126/615
J2126/616
J2126/617
J2126/618
J2126/619
J2126/620
J2126/621
J2126/622
J2126/623
J2126/624
J2126/625
J2126/626
J2126/627
J2126/628
J2126/629
J2126/630
J2126/631
J2126/632
J2126/633
J2126/634
J2126/635
J2126/636
J2126/637
J2126/638
J2126/639
J2126/640
J2126/641
J2126/642
J2126/643
J2126/644
J2126/645
J2126/646
J2126/647
J2126/648
J2126/649
J2126/650
J2126/651
J2126/652
J2126/653
J2126/654
J2126/655
J2126/656
J2126/657
J2126/658
J2126/659
J2126/660
J2126/661
J2126/662
J2126/663
J2126/664
J2126/665
J2126/666
J2126/667
J2126/668
J2126/669
J2126/670
J2126/671
J2126/672
J2126/673
J2126/674
J2126/675
J2126/676
J2126/677
J2126/678
J2126/679
J2126/680
J2126/681
J2126/682
J2126/683
J2126/684
J2126/685
J2126/686
J2126/687
J2126/688
J2126/689
J2126/690
J2126/691
J2126/692
J2126/693
J2126/694
J2126/695
J2126/696
J2126/697
J2126/698
J2126/699
J2126/700
J2126/701
J2126/702
J2126/703
J2126/704
J2126/705
J2126/706
J2126/707
J2126/708
J2126/709
J2126/710
J2126/711
J2126/712
J2126/713
J2126/714
J2126/715
J2126/716
J2126/717
J2126/718
J2126/719
J2126/720
J2126/721
J2126/722
J2126/723
J2126/724
J2126/725
J2126/726
J2126/727
J2126/728
J2126/729
J2126/730
J2126/731
J2126/732
J2126/733
J2126/734
J2126/735
J2126/736
J2126/737
J2126/738
J2126/739
J2126/740
J2126/741
J2126/742
J2126/743
J2126/744
J2126/745
J2126/746
J2126/747
J2126/748
J2126/749
J2126/750
J2126/751
J2126/752
J2126/753
J2126/754
J2126/755
J2126/756
J2126/757
J2126/758
J2126/759
J2126/760
J2126/761
J2126/762
J2126/763
J2126/764
J2126/765
J2126/766
J2126/767
J2126/768
J2126/769
J2126/770
J2126/771
J2126/772
J2126/773
J2126/774
J2126/775
J2126/776
J2126/777
J2126/778
J2126/779
J2126/780
J2126/781
J2126/782
J2126/783
J2126/784
J2126/785
J2126/786
J2126/787
J2126/788
J2126/789
J2126/790
J2126/791
J2126/792
J2126/793
J2126/794
J2126/795
J2126/796
J2126/797
J2126/798
J2126/799
J2126/800
J2126/801
J2126/802
J2126/803
J2126/804
J2126/805
J2126/806
J2126/807
J2126/808
J2126/809
J2126/810
J2126/811
J2126/812
J2126/813
J2126/814
J2126/815
J2126/816
J2126/817
J2126/818
J2126/819
J2126/820
J2126/821
J2126/822
J2126/823
J2126/824
J2126/825
J2126/826
J2126/827
J2126/828
J2126/829
J2126/830
J2126/831
J2126/832
J2126/833
J2126/834
J2126/835
J2126/836
J2126/837
J2126/838
J2126/839
J2126/840
J2126/841
J2126/842
J2126/843
J2126/844
J2126/845
J2126/846
J2126/847
J2126/848
J2126/849
J2126/850
J2126/851
J2126/852
J2126/853
J2126/854
J2126/855
J2126/856
J2126/857
J2126/858
J2126/859
J2126/860
J2126/861
J2126/862
J2126/863
J2126/864
J2126/865
J2126/866
J2126/867
J2126/868
J2126/869
J2126/870
J2126/871
J2126/872
J2126/873
J2126/874
J2126/875
J2126/876
J2126/877
J2126/878
J2126/879
J2126/880
J2126/881
J2126/882
J2126/883
J2126/884
J2126/885
J2126/886
J2126/887
J2126/888
J2126/889
J2126/890
J2126/891
J2126/892
J2126/893
J2126/894
J2126/895
J2126/896
J2126/897
J2126/898
J2126/899
J2126/900
J2126/901
J2126/902
J2126/903
J2126/904
J2126/905
J2126/906
J2126/907
J2126/908
J2126/909
J2126/910
J2126/911
J2126/912
J2126/913
J2126/914
J2126/915
J2126/916
J2126/917
J2126/918
J2126/919
J2126/920
J2126/921
J2126/922
J2126/923
J2126/924
J2126/925
J2126/926
J2126/927
J2126/928
J2126/929
J2126/930
J2126/931
J2126/932
J2126/933
J2126/934
J2126/935
J2126/936
J2126/937
J2126/938
J2126/939
J2126/940
J2126/941
J2126/942
J2126/943
J2126/944
J2126/945
J2126/946
J2126/947
J2126/948
J2126/949
J2126/950
J2126/951
J2126/952
J2126/953
J2126/954
J2126/955
J2126/956
J2126/957
J2126/958
J2126/959
J2126/960
J2126/961
J2126/962
J2126/963
J2126/964
J2126/965
J2126/966
J2126/967
J2126/968
J2126/969
J2126/970
J2126/971
J2126/972
J2126/973
J2126/974
J2126/975
J2126/976
J2126/977
J2126/978
J2126/979
J2126/980
J2126/981
J2126/982
J2126/983
J2126/984
J2126/985
J2126/986
J2126/987
J2126/988
J2126/989
J2126/990
J2126/991
J2126/992
J2126/993
J2126/994
J2126/995
J2126/996
J2126/997
J2126/998
J2126/999
J2126/1000
J2126/1001
J2126/1002
J2126/1003
J2126/1004
J2126/1005
J2126/1006
J2126/1007
J2126/1008
J2126/1009
J2126/1010
J2126/1011
J2126/1012
J2126/1013
J2126/1014
J2126/1015
J2126/1016
J2126/1017
J2126/1018
J2126/1019
J2126/1020
J2126/1021
J2126/1022
J2126/1023
J2126/1024
J2126/1025
J2126/1026
J2126/1027
J2126/1028
J2126/1029
J2126/1030
J2126/1031
J2126/1032
J2126/1033
J2126/1034
J2126/1035
J2126/1036
J2126/1037
J2126/1038
J2126/1039
J2126/1040
J2126/1041
J2126/1042
J2126/1043
J2126/1044
J2126/1045
J2126/1046
J2126/1047
J2126/1048
J2126/1049
J2126/1050
J2126/1051
J2126/1052
J2126/1053
J2126/1054
J2126/1055
J2126/1056
J2126/1057
J2126/1058
J2126/1059
J2126/1060
J2126/1061
J2126/1062
J2126/1063
J2126/1064
J2126/1065
J2126/1066
J2126/1067
J2126/1068
J2126/1069
J2126/1070
J2126/1071
J2126/1072
J2126/1073
J2126/1074
J2126/1075
J2126/1076
J2126/1077
J2126/1078
J2126/1079
J2126/1080
J2126/1081
J2126/1082
J2126/1083
J2126/1084
J2126/1085
J2126/1086
J2126/1087
J2126/1088
J2126/1089
J2126/1090
J2126/1091
J2126/1092
J2126/1093
J2126/1094
J2126/1095
J2126/1096
J2126/1097
J2126/1098
J2126/1099
J2126/1100
J2126/1101
J2126/1102
J2126/1103
J2126/1104
J2126/1105
J2126/1106
J2126/1107
J2126/1108
J2126/1109
J2126/1110
J2126/1111
J2126/1112
J2126/1113
J2126/1114
J2126/1115
J2126/1116
J2126/1117
J2126/1118
J2126/1119
J2126/1120
J2126/1121
J2126/1122
J2126/1123
J2126/1124
J2126/1125
J2126/1126
J2126/1127
J2126/1128
J2126/1129
J2126/1130
J2126/1131
J2126/1132
J2126/1133
J2126/1134
J2126/1135
J2126/1136
J2126/1137
J2126/1138
J2126/1139
J2126/1140
J2126/1141
J2126/1142
J2126/1143
J2126/1144
J2126/1145
J2126/1146
J2126/1147
J2126/1148
J2126/1149
J2126/1150
J2126/1151
J2126/1152
J2126/1153
J2126/1154
J2126/1155
J2126/1156
J2126/1157
J2126/1158
J2126/1159
J2126/1160
J2126/1161
J2126/1162
J2126/1163
J2126/1164
J2126/1165
J2126/1166
J2126/1167
J2126/1168
J2126/1169
J2126/1170
J2126/1171
J2126/1172
J2126/1173
J2126/1174
J2126/1175
J2126/1176
J2126/1177
J2126/1178
J2126/1179
J2126/1180
J2126/1181
J2126/1182
J2126/1183
J2126/1184
J2126/1185
J2126/1186
J2126/1187
J2126/1188
J2126/1189
J2126/1190
J2126/1191
J2126/1192
J2126/1193
J2126/1194
J2126/1195
J2126/1196
J2126/1197
J2126/1198
J2126/1199
J2126/1200
J2126/1201
J2126/1202
J2126/1203
J2126/1204
J2126/1205
J2126/1206
J2126/1207
J2126/1208
J2126/1209
J2126/1210
J2126/1211
J2126/1212
J2126/1213
J2126/1214
J2126/1215
J2126/1216
J2126/1217
J2126/1218
J2126/1219
J2126/1220
J2126/1221
J2126/1222
J2126/1223
J2126/1224
J2126/1225
J2126/1226
J2126/1227
J2126/1228
J2126/1229
J2126/1230
J2126/1231
J2126/1232
J2126/1233
J2126/1234
J2126/1235
J2126/1236
J2126/1237
J2126/1238
J2126/1239
J2126/1240
J2126/1241
J2126/1242
J2126/1243
J2126/1244
J2126/1245
J2126/1246
J2126/1247
J2126/1248
J2126/1249
J2126/1250
J2126/1251
J2126/1252
J2126/1253
J2126/1254
J2126/1255
J2126/1256
J2126/1257
J2126/1258
J2126/1259
J2126/1260
J2126/1261
J2126/1262
J2126/1263
J2126/1264
J2126/1265
J2126/1266
J2126/1267
J2126/1268
J2126/1269
J2126/1270
J2126/1271
J2126/1272
J2126/1273
J2126/1274
J2126/1275
J2126/1276
J2126/1277
J2126/1278
J2126/1279
J2126/1280
J2126/1281
J2126/1282
J2126/1283
J2126/1284
J2126/1285
J2126/1286
J2126/1287
J2126/1288
J2126/1289
J2126/1290
J2126/1291
J2126/1292
J2126/1293
J2126/1294
J2126/1295
J2126/1296
J2126/1297
J2126/1298
J2126/1299
J2126/1300
J2126/1301
J2126/1302
J2126/1303
J2126/1304
J2126/1305
J2126/1306
J2126/1307
J2126/1308
J2126/1309
J2126/1310
J2126/1311
J2126/1312
J2126/1313
J2126/1314
J2126/1315
J2126/1316
J2126/1317
J2126/1318
J2126/1319
J2126/1320
J2126/1321
J2126/1322
J2126/1323
J2126/1324
J2126/1325
J2126/1326
J2126/1327
J2126/1328
J2126/1329
J2126/1330
J2126/1331
J2126/1332
J2126/1333
J2126/1334
J2126/1335
J2126/1336
J2126/1337
J2126/1338
J2126/1339
J2126/1340
J2126/1341
J2126/1342
J2126/1343
J2126/1344
J2126/1345
J2126/1346
J2126/1347
J2126/1348
J2126/1349
J2126/1350
J2126/1351
J2126/1352
J2126/1353
J2126/1354
J2126/1355
J2126/1356
J2126/1357
J2126/1358
J2126/1359
J2126/1360
J2126/1361
J2126/1362
J2126/1363
J2126/1364
J2126/1365
J2126/1366
J2126/1367
J2126/1368
J2126/1369
J2126/1370
J2126/1371
J2126/1372
J2126/1373
J2126/1374
J2126/1375
J2126/1376
J2126/1377
J2126/1378
J2126/1379
J2126/1380
J2126/1381
J2126/1382
J2126/1383
J2126/1384
J2126/1385
J2126/1386
J2126/1387
J2126/1388
J2126/1389
J2126/1390
J2126/1391
J2126/1392
J2126/1393
J2126/1394
J2126/1395
J2126/1396
J2126/1397
J2126/1398
J2126/1399
J2126/1400
J2126/1401
J2126/1402
J2126/1403
J2126/1404
J2126/1405
J2126/1406
J2126/1407
J2126/1408
J2126/1409
J2126/1410
J2126/1411
J2126/1412
J2126/1413
J2126/1414
J2126/1415
J2126/1416
J2126/1417
J2126/1418
J2126/1419
J2126/1420
J2126/1421
J2126/1422
J2126/1423
J2126/1424
J2126/1425
J2126/1426
J2126/1427
J2126/1428
J2126/1429
J2126/1430
J2126/1431
J2126/1432
J2126/1433
J2126/1434
J2126/1435
J2126/1436
J2126/1437
J2126/1438
J2126/1439
J2126/1440
J2126/1441
J2126/1442
J2126/1443
J2126/1444
J2126/1445
J2126/1446
J2126/1447
J2126/1448
J2126/1449
J2126/1450
J2126/1451
J2126/1452
J2126/1453
J2126/1454
J2126/1455
J2126/1456
J2126/1457
J2126/1458
J2126/1459
J2126/1460
J2126/1461
J2126/1462
J2126/1463
J2126/1464
J2126/1465
J2126/1466
J2126/1467
J2126/1468
J2126/1469
J2126/1470
J2126/1471
J2126/1472
J2126/1473
J2126/1474
J2126/1475
J2126/1476
J2126/1477
J2126/1478
J2126/1479
J2126/1480
J2126/1481
J2126/1482
J2126/1483
J2126/1484
J2126/1485
J2126/1486
J2126/1487
J2126/1488
J2126/1489
J2126/1490
J2126/1491
J2126/1492
J2126/1493
J2126/1494
J2126/1495
J2126/1496
J2126/1497
J2126/1498
J2126/1499
J2126/1500
J2126/1501
J2126/1502
J2126/1503
J2126/1504
J2126/1505
J2126/1506
J2126/1507
J2126/1508
J2126/1509
J2126/1510
J2126/1511
J2126/1512
J2126/1513
J2126/1514
J2126/1515
J2126/1516
J2126/1517
J2126/1518
J2126/1519
J2126/1520
J2126/1521
J2126/1522
J2126/1523
J2126/1524
J2126/1525
J2126/1526
J2126/1527
J2126/1528
J2126/1529
J2126/1530
J2126/1531
J2126/1532
J2126/1533
J2126/1534
J2126/1535
J2126/1536
J2126/1537
J2126/1538
J2126/1539
J2126/1540
J2126/1541
J2126/1542
J2126/1543
J2126/1544
J2126/1545
J2126/1546
J2126/1547
J2126/1548
J2126/1549
J2126/1550
J2126/1551
J2126/1552
J2126/1553
J2126/1554
J2126/1555
J2126/1556
J2126/1557
J2126/1558
J2126/1559
J2126/1560
J2126/1561
J2126/1562
J2126/1563
J2126/1564
J2126/1565
J2126/1566
J2126/1567
J2126/1568
J2126/1569
J2126/1570
J2126/1571
J2126/1572
J2126/1573
J2126/1574
J2126/1575
J2126/1576
J2126/1577
J2126/1578
J2126/1579
J2126/1580
J2126/1581
J2126/1582
J2126/1583
J2126/1584
J2126/1585
J2126/1586
J2126/1587
J2126/1588
J2126/1589
J2126/1590
J2126/1591
J2126/1592
J2126/1593
J2126/1594
J2126/1595
J2126/1596
J2126/1597
J2126/1598
J2126/1599
J2126/1600
J2126/1601
J2126/1602
J2126/1603
J2126/1604
J2126/1605
J2126/1606
J2126/1607
J2126/1608
J2126/1609
J2126/1610
J2126/1611
J2126/1612
J2126/1613
J2126/1614
J2126/1615
J2126/1616
J2126/1617
J2126/1618
J2126/1619
J2126/1620
J2126/1621
J2126/1622
J2126/1623
J2126/1624
J2126/1625
J2126/1626
J2126/1627
J2126/1628
J2126/1629
J2126/1630
J2126/1631
J2126/1632
J2126/1633
J2126/1634
J2126/1635
J2126/1636
J2126/1637
J2126/1638
J2126/1639
J2126/1640
J2126/1641
J2126/1642
J2126/1643
J2126/1644
J2126/1645
J2126/1646
J2126/1647
J2126/1648
J2126/1649
J2126/1650
J2126/1651
J2126/1652
J2126/1653
J2126/1654
J2126/1655
J2126/1656
J2126/1657
J2126/1658
J2126/1659
J2126/1660
J2126/1661
J2126/1662
J2126/1663
J2126/1664
J2126/1665
J2126/1666
J2126/1667
J2126/1668
J2126/1669
J2126/1670
J2126/1671
J2126/1672
J2126/1673
J2126/1674
J2126/1675
J2126/1676
J2126/1677
J2126/1678
J2126/1679
J2126/1680
J2126/1681
J2126/1682
J2126/1683
J2126/1684
J2126/1685
J2126/1686
J2126/1687
J2126/1688
J2126/1689
J2126/1690
J2126/1691
J2126/1692
J2126/1693
J2126/1694
J2126/1695
J2126/1696
J2126/1697
J2126/1698
J2126/1699
J2126/1700
J2126/1701
J2126/1702
J2126/1703
J2126/1704
J2126/1705
J2126/1706
J2126/1707
J2126/1708
J2126/1709
J2126/1710
J2126/1711
J2126/1712
J2126/1713
J2126/1714
J2126/1715
J2126/1716
J2126/1717
J2126/1718
J2126/1719
J2126/1720
J2126/1721
J2126/1722
J2126/1723
J2126/1724
J2126/1725
J2126/1726
J2126/1727
J2126/1728
J2126/1729
J2126/1730
J2126/1731
J2126/1732
J2126/1733
J2126/1734
J2126/1735
J2126/1736
J2126/1737
J2126/1738
J2126/1739
J2126/1740
J2126/1741
J2126/1742
J2126/1743
J2126/1744
J2126/1745
J2126/1746
J2126/1747
J2126/1748
J2126/1749
J2126/1750
J2126/1751
J2126/1752
J2126/1753
J2126/1754
J2126/1755
J2126/1756
J2126/1757
J2126/1758
J2126/1759
J2126/1760
J2126/1761
J2126/1762
J2126/1763
J2126/1764
J2126/1765
J2126/1766
J2126/1767
J2126/1768
J2126/1769
J2126/1770
J2126/1771
J2126/1772
J2126/1773
J2126/1774
J2126/1775
J2126/1776
J2126/1777
J2126/1778
J2126/1779
J2126/1780
J2126/1781
J2126/1782
J2126/1783
J2126/1784
J2126/1785
J2126/1786
J2126/1787
J2126/1788
J2126/1789
J2126/1790
J2126/1791
J2126/1792
J2126/1793
J2126/1794
J2126/1795
J2126/1796
J2126/1797
J2126/1798
J2126/1799
J2126/1800
J2126/1801
J2126/1802
J2126/1803
J2126/1804
J2126/1805
J2126/1806
J2126/1807
J2126/1808
J2126/1809
J2126/1810
J2126/1811
J2126/1812
J2126/1813
J2126/1814
J2126/1815
J2126/1816
J2126/1817
J2126/1818
J2126/1819
J2126/1820
J2126/1821
J2126/1822
J2126/1823
J2126/1824
J2126/1825
J2126/1826
J2126/1827
J2126/1828
J2126/1829
J2126/1830
J2126/1831
J2126/1832
J2126/1833
J2126/1834
J2126/1835
J2126/1836
J2126/1837
J2126/1838
J2126/1839
J2126/1840
J2126/1841
J2126/1842
J2126/1843
J2126/1844
J2126/1845
J2126/1846
J2126/1847
J2126/1848
J2126/1849
J2126/1850
J2126/1851
J2126/1852
J2126/1853
J2126/1854
J2126/1855
J2126/1856
J2126/1857
J2126/1858
J2126/1859
J2126/1860
J2126/1861
J2126/1862
J2126/1863
J2126/1864
J2126/1865
J2126/1866
J2126/1867
J2126/1868
J2126/1869
J2126/1870
J2126/1871
J2126/1872
J2126/1873
J2126/1874
J2126/1875
J2126/1876
J2126/1877
J2126/1878
J2126/1879
J2126/1880
J2126/1881
J2126/1882
J2126/1883
J2126/1884
J2126/1885
J2126/1886
J2126/1887
J2126/1888
J2126/1889
J2126/1890
J2126/1891
J2126/1892
J2126/1893
J2126/1894
J2126/1895
J2126/1896
J2126/1897
J2126/1898
J2126/1899
J2126/1900
J2126/1901
J2126/1902
J2126/1903
J2126/1904
J2126/1905
J2126/1906
J2126/1907
J2126/1908
J2126/1909
J2126/1910
J2126/1911
J2126/1912
J2126/1913
J2126/1914
J2126/1915
J2126/1916
J2126/1917
J2126/1918
J2126/1919
J2126/1920
J2126/1921
J2126/1922
J2126/1923
J2126/1924
J2126/1925
J2126/1926
J2126/1927
J2126/1928
J2126/1929
J2126/1930
J2126/1931
J2126/1932
J2126/1933
J2126/1934
J2126/1935
J2126/1936
J2126/1937
J2126/1938
J2126/1939
J2126/1940
J2126/1941
J2126/1942
J2126/1943
J2126/1944
J2126/1945
J2126/1946
J2126/1947
J2126/1948
J2126/1949
J2126/1950
J2126/1951
J2126/1952
J2126/1953
J2126/1954
J2126/1955
J2126/1956
J2126/1957
J2126/1958
J2126/1959
J2126/1960
J2126/1961
J2126/1962
J2126/1963
J2126/1964
J2126/1965
J2126/1966
J2126/1967
J2126/1968
J2126/1969
J2126/1970
J2126/1971
J2126/1972
J2126/1973
J2126/1974
J2126/1975
J2126/1976
J2126/1977
J2126/1978
J2126/1979
J2126/1980
J2126/1981
J2126/1982
J2126/1983
J2126/1984
J2126/1985
J2126/1986
J2126/1987
J2126/1988
J2126/1989
J2126/1990
J2126/1991
J2126/1992
J2126/1993
J2126/1994
J2126/1995
J2126/1996
J2126/1997
J2126/1998
J2126/1999
J2126/2000
J2126/2001
J2126/2002
J2126/2003
J2126/2004
J2126/2005
J2126/2006
J2126/2007
J2126/2008
J2126/2009
J2126/2010
J2126/2011
J2126/2012
J2126/2013
J2126/2014
J2126/2015
J2126/2016
J2126/2017
J2126/2018
J2126/2019
J2126/2020
J2126/2021
J2126/2022
J2126/2023
J2126/2024
J2126/2025
J2126/2026
J2126/2027
J2126/2028
J2126/2029
J2126/2030
J2126/2031
J2126/2032
J2126/2033
J2126/2034
J2126/2035
J2126/2036
J2126/2037
J2126/2038
J2126/2039
J2126/2040
J2126/2041
J2126/2042
J2126/2043
J2126/2044
J2126/2045
J2126/2046
J2126/2047
J2126/2048
J2126/2049
J2126/2050
J2126/2051
J2126/2052
J2126/2053
J2126/2054
J2126/2055
J2126/2056
J2126/2057
J2126/2058
J2126/2059
J2126/2060
J2126/2061
J2126/2062
J2126/2063
J2126/2064
J2126/2065
J2126/2066
J2126/2067
J2126/2068
J2126/2069
J2126/2070
J2126/2071
J2126/2072
J2126/2073
J2126/2074
J2126/2075
J2126/2076
J2126/2077
J2126/2078
J2126/2079
J2126/2080
J2126/2081
J2126/2082
J2126/2083
J2126/2084
J2126/2085
J2126/2086
J2126/2087
J2126/2088
J2126/2089
J2126/2090
J2126/2091
J2126/2092
J2126/2093
J2126/2094
J2126/2095
J2126/2096
J2126/2097
J2126/2098
J2126/2099
J2126/2100
J2126/2101
J2126/2102
J2126/2103
J2126/2104
J2126/2105
J2126/2106
J2126/2107
J2126/2108
J2126/2109
J2126/2110
J2126/2111
J2126/2112
J2126/2113
J2126/2114
J2126/2115
J2126/2116
J2126/2117
J2126/2118
J2126/2119
J2126/2120
J2126/2121
J2126/2122
J2126/2123
J2126/2124
J2126/2125
J2126/2126
J2126/2127
J2126/2128
J2126/2129
J2126/2130
J2126/2131
J2126/2132
J2126/2133
J2126/2134
J2126/2135
J2126/2136
J2126/2137
J2126/2138
J2126/2139
J2126/2140
J2126/2141
J2126/2142
J2126/2143
J2126/2144
J2126/2145
J2126/2146
J2126/2147
J2126/2148
J2126/2149
J2126/2150
J2126/2151
J2126/2152
J2126/2153
J2126/2154
J2126/2155
J2126/2156
J2126/2157
J2126/2158
J2126/2159
J2126/2160
J2126/2161
J2126/2162
J2126/2163
J2126/2164
J2126/2165
J2126/2166
J2126/2167
J2126/2168
J2126/2169
J2126/2170
J2126/2171
J2126/2172
J2126/2173
J2126/2174
J2126/2175
J2126/2176
J2126/2177
J2126/2178
J2126/2179
J2126/2180
J2126/2181
J2126/2182
J2126/2183
J2126/2184
J2126/2185
J2126/2186
J2126/2187
J2126/2188
J2126/2189
J2126/2190
J2126/2191
J2126/2192
J2126/2193
J2126/2194
J2126/2195
J2126/2196
J2126/2197
J2126/2198
J2126/2199
J2126/2200
J2126/2201
J2126/2202
J2126/2203
J2126/2204
J2126/2205
J2126/2206
J2126/2207
J2126/2208
J2126/2209
J2126/2210
J2126/2211
J2126/2212
J2126/2213
J2126/2214
J2126/2215
J2126/2216
J2126/2217
J2126/2218
J2126/2219
J2126/2220
J2126/2221
J2126/2222
J2126/2223
J2126/2224
J2126/2225
J2126/2226
J2126/2227
J2126/2228
J2126/2229
J2126/2230
J2126/2231
J2126/2232
J2126/2233
J2126/2234
J2126/2235
J2126/2236
J2126/2237
J2126/2238
J2126/2239
J2126/2240
J2126/2241
J2126/2242
J2126/2243
J2126/2244
J2126/2245
J2126/2246
J2126/2247
J2126/2248
J2126/2249
J2126/2250
J2126/2251
J2126/2252
J2126/2253
J2126/2254
J2126/2255
J2126/2256
J2126/2257
J2126/2258
J2126/2259
J2126/2260
J2126/2261
J2126/2262
J2126/2263
J2126/2264
J2126/2265
J2126/2266
J2126/2267
J2126/2268
J2126/2269
J2126/2270
J2126/2271
J2126/2272
J2126/2273
J2126/2274
J2126/2275
J2126/2276
J2126/2277
J2126/2278
J2126/2279
J2126/2280
J2126/2281
J2126/2282
J2126/2283
J2126/2284
J2126/2285
J2126/2286
J2126/2287
J2126/2288
J2126/2289
J2126/2290
J2126/2291
J2126/2292
J2126/2293
J2126/2294
J2126/2295
J2126/2296
J2126/2297
J2126/2298
J2126/2299
J2126/2300
J2126/2301
J2126/2302
J2126/2303
J2126/2304
J2126/2305
J2126/2306
J2126/2307
J2126/2308
J2126/2309
J2126/2310
J2126/2311
J2126/2312
J2126/2313
J2126/2314
J2126/2315
J2126/2316
J2126/2317
J2126/2318
J2126/2319
J2126/2320
J2126/2321
J2126/2322
J2126/2323
J2126/2324
J2126/2325
J2126/2326
J2126/2327
J2126/2328
J2126/2329
J2126/2330
J2126/2331
J2126/2332
J2126/2333
J2126/2334
J2126/2335
J2126/2336
J2126/2337
J2126/2338
J2126/2339
J2126/2340
J2126/2341
J2126/2342
J2126/2343
J2126/2344
J2126/2345
J2126/2346
J2126/2347
J2126/2348
J2126/2349
J2126/2350
J2126/2351
J2126/2352
J2126/2353
J2126/2354
J2126/2355
J2126/2356
J2126/2357
J2126/2358
J2126/2359
J2126/2360
J2126/2361
J2126/2362
J2126/2363
J2126/2364
J2126/2365
J2126/2366
J2126/2367
J2126/2368
J2126/2369
J2126/2370
J2126/2371
J2126/2372
J2126/2373
J2126/2374
J2126/2375
J2126/2376
J2126/2377
J2126/2378
J2126/2379
J2126/2380
J2126/2381
J2126/2382
J2126/2383
J2126/2384
J2126/



A215-2

B688040E

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON DECIMALS: DIRECTIONAL. 2 PLACE ± .005 ANGULAR ±. 3 PLACE ± .002 FRACTIONAL ±. MACH FINISH 125 MAX. BREAK SHARP EDGES. MATL: TOOL PART SERIES. MATL: FINISH

DSN Gene 9-21-67
DWR COMP J. Langton 11-1-67
DESIGN COMP L. Kotler 11-9-67
MFG COMP
PROJ. MGR. [illegible]

LEAR SIEGLER, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

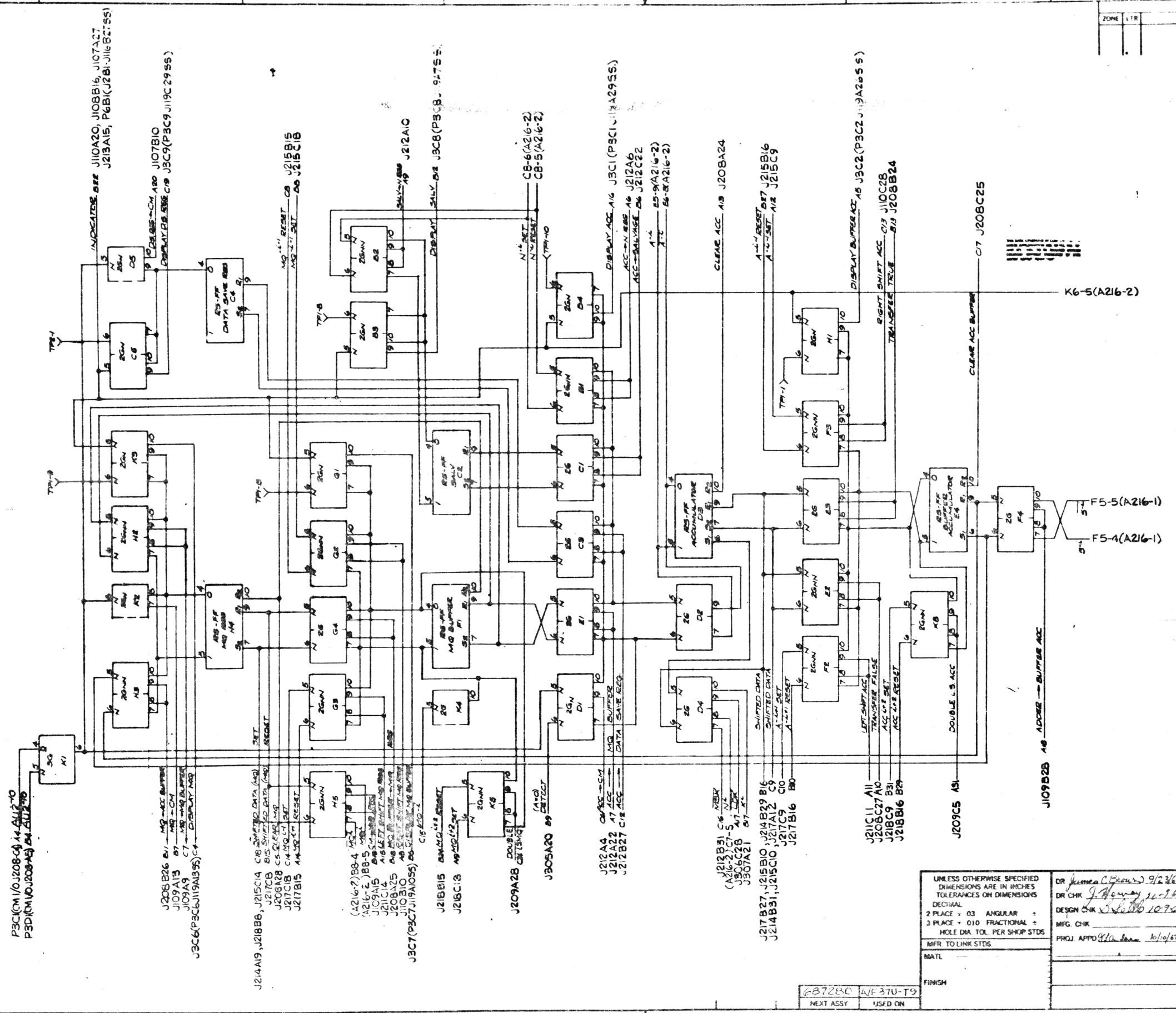
LOGIC DIAGRAM
ARITHMETIC UNIT
BIT 2^-11 (i = 11)

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

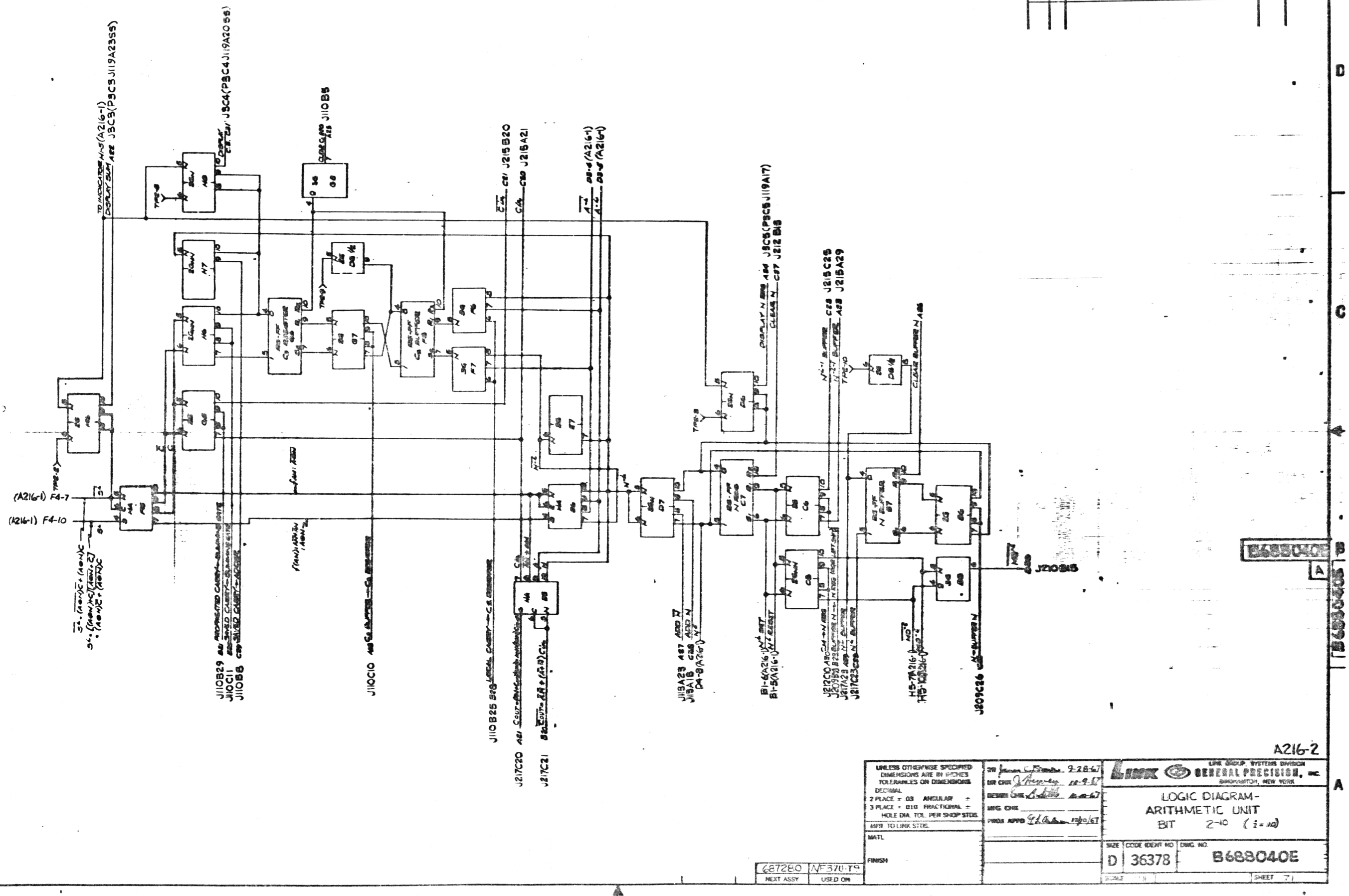
SEQUEE | SHEET 69

NEXT ASSY | USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



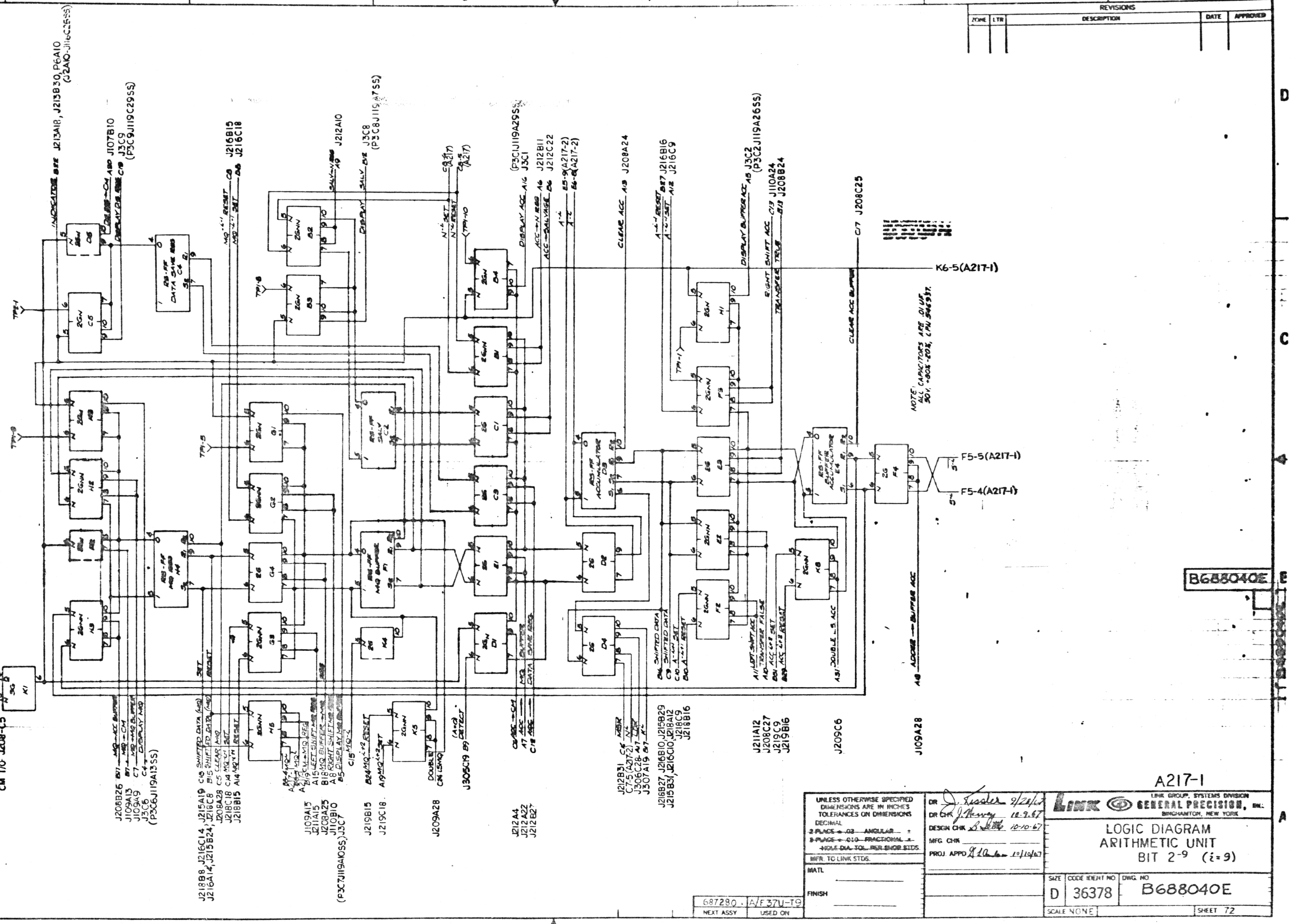
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR J. Schneider 9-28-67 DR CHK J. Angevine 10-9-67 DESIGN CHK A. Lilla 10-10-67 MFG. CHK PROJ APPD G. Clark 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK LOGIC DIAGRAM- ARITHMETIC UNIT BIT 2-10 (i = 10)
687280 NEXT ASSY	NF370-T9 USED ON	SIZE D | CODE IDENT NO 36378 | DWG. NO. B688040E SCALE ½ SHEET 71

B688040E A

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



687280 . A/E37U-T9		
NEXT ASSY	USED ON	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER ENGR STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR J. Lasker 9/26/67
DR CHK J. Henry 10-9-67
DESIGN CHK B. Stott 10-10-67
MFG. CHK
PROJ APPD R. Clarke 10/16/67

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

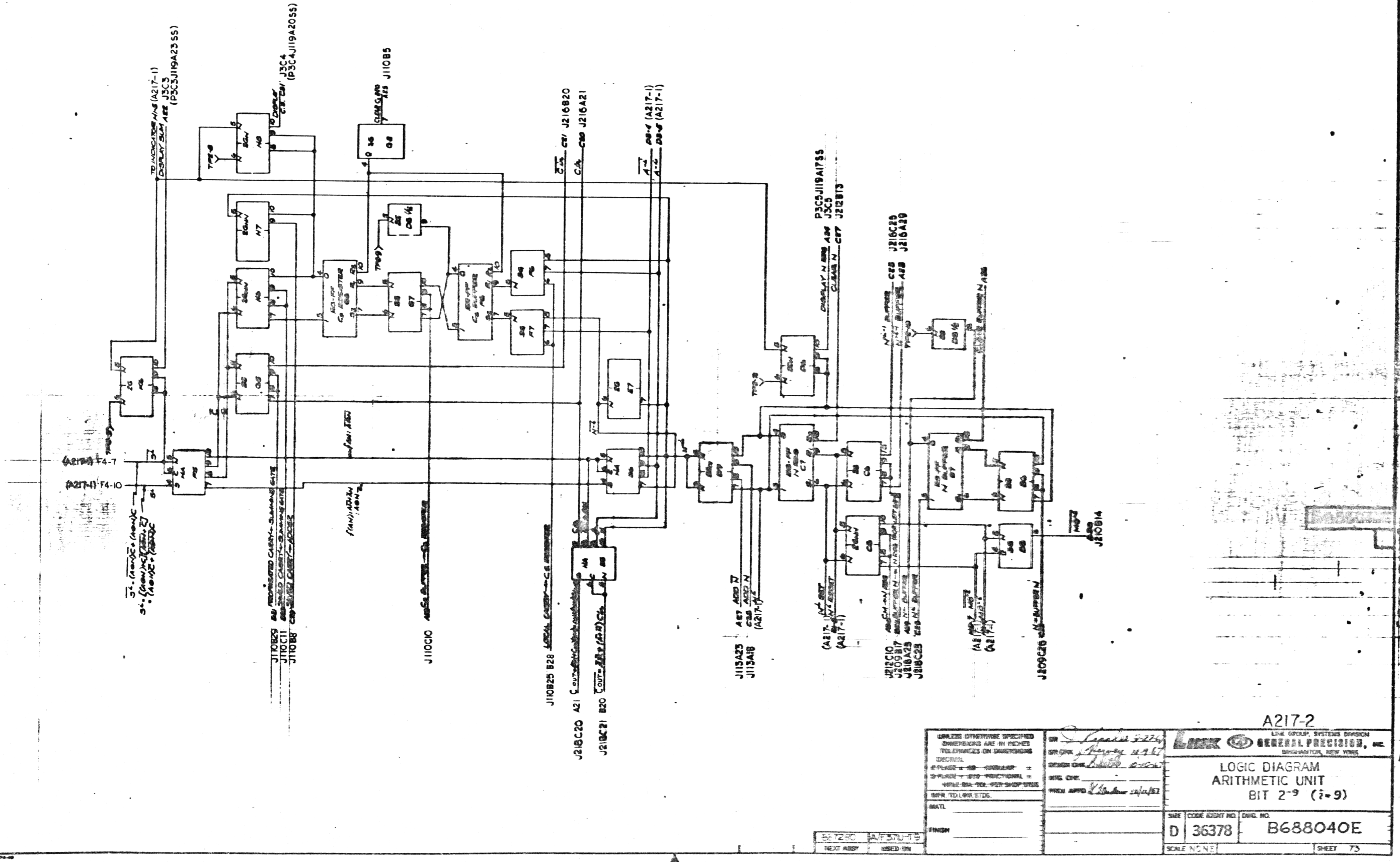
LOGIC DIAGRAM ARITHMETIC UNIT BIT 2^{-9} (i = 9)

SIZE	CODE IDENT NO	DWG. NO
D	36378	B688040E

SCALE NONE SHEET 72

Form No. F 1474-49

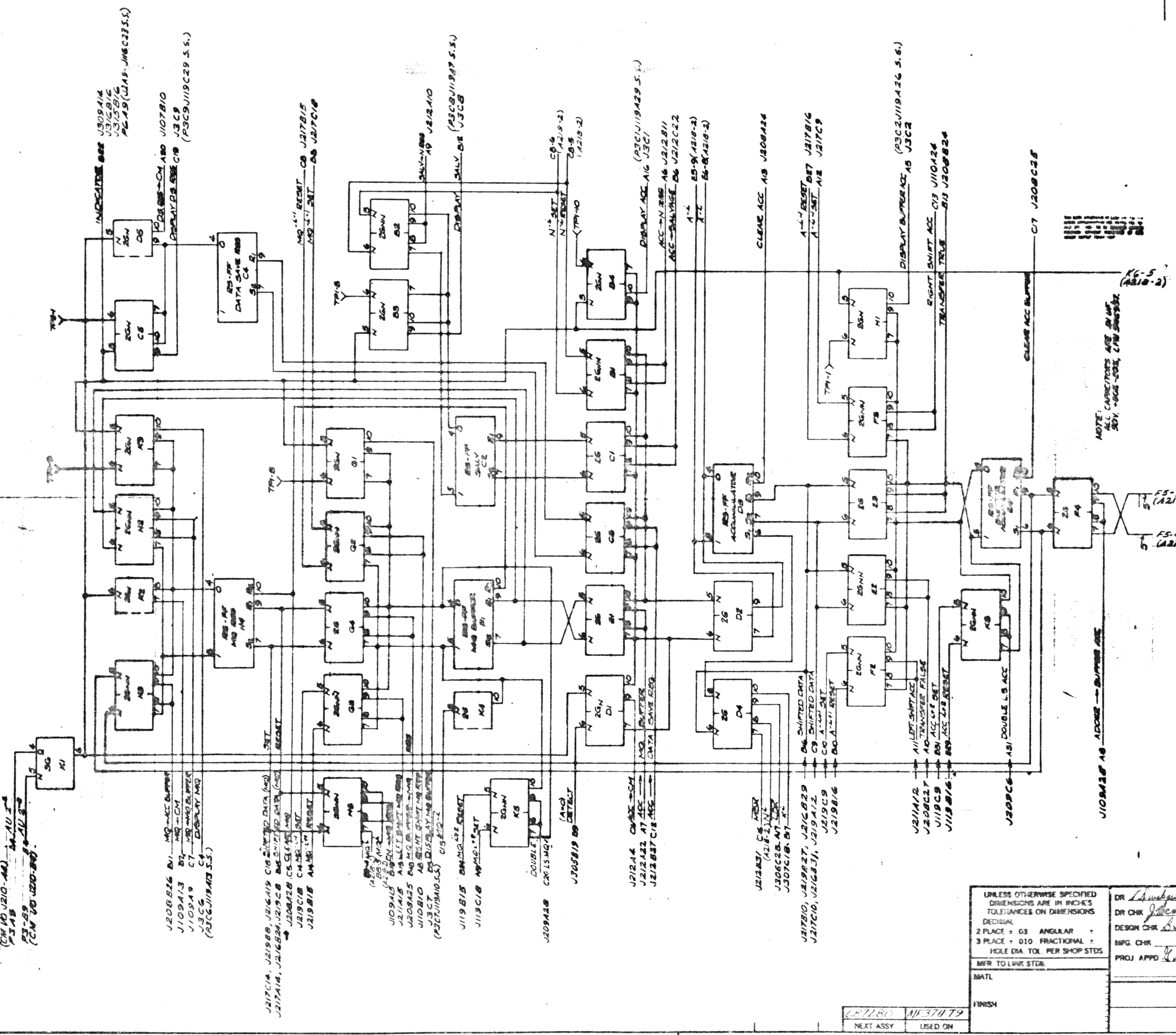
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



A217-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL	DR		LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
	SUPV		
	DESIGN ENG		LOGIC DIAGRAM ARITHMETIC UNIT BIT 2^{-9} (i-9)
MATL	MFG ENG		
FINISH	PROJ APPD		SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E
NEXT ASSY	USED ON		SCALE NONE · SHEET 73

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



A218-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR TO LINK STDS.	DR		
	DR CHK		
	DESIGN CHK		
	MFG. CHK		
	PROJ. APPD		
MATL			
FINISH			

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

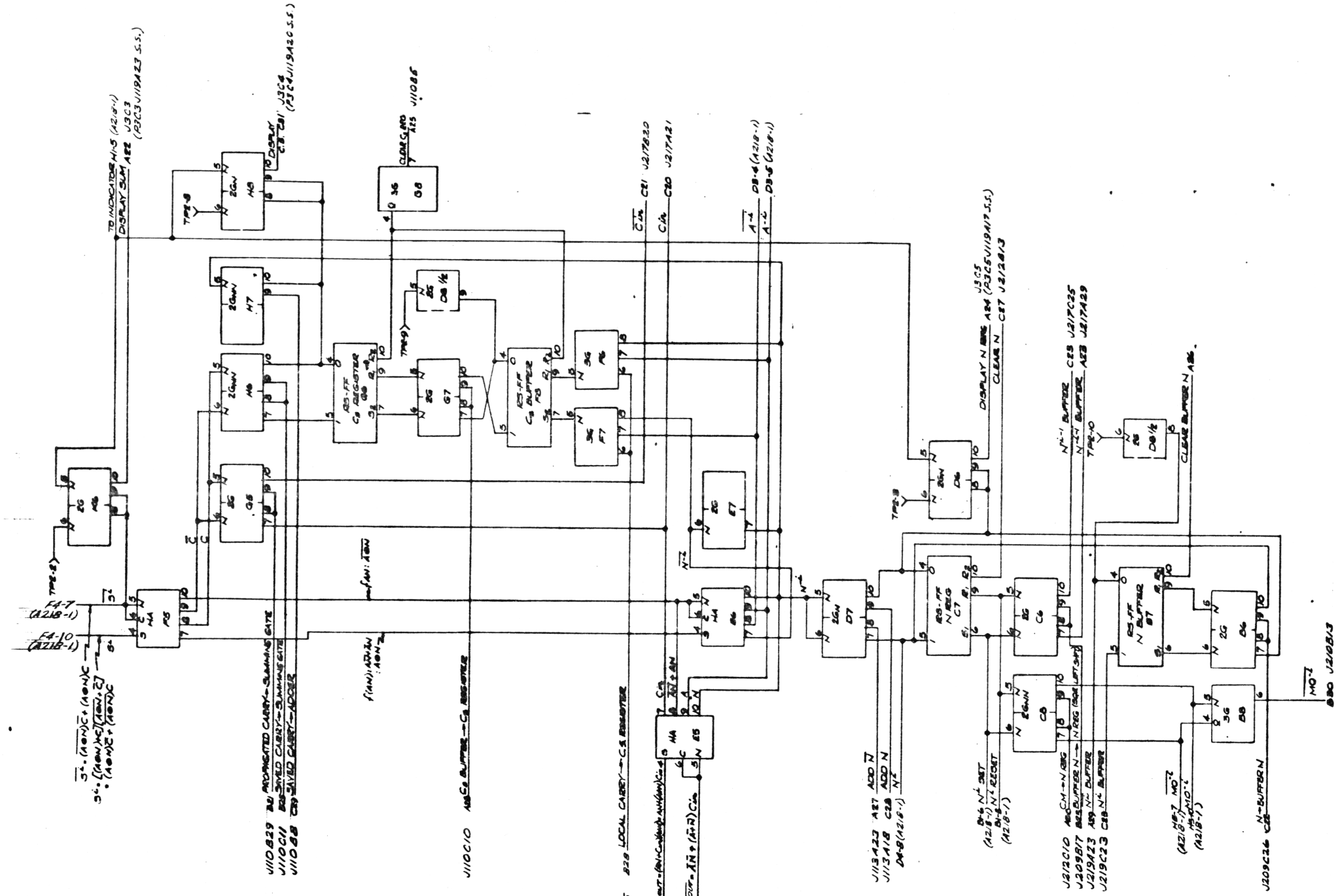
LOGIC DIAGRAM
ARITHMETIC UNIT (1-8)
BIT 2-8

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	BG88040E

SCALE | SHEET 74

CE7180	NE37479
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

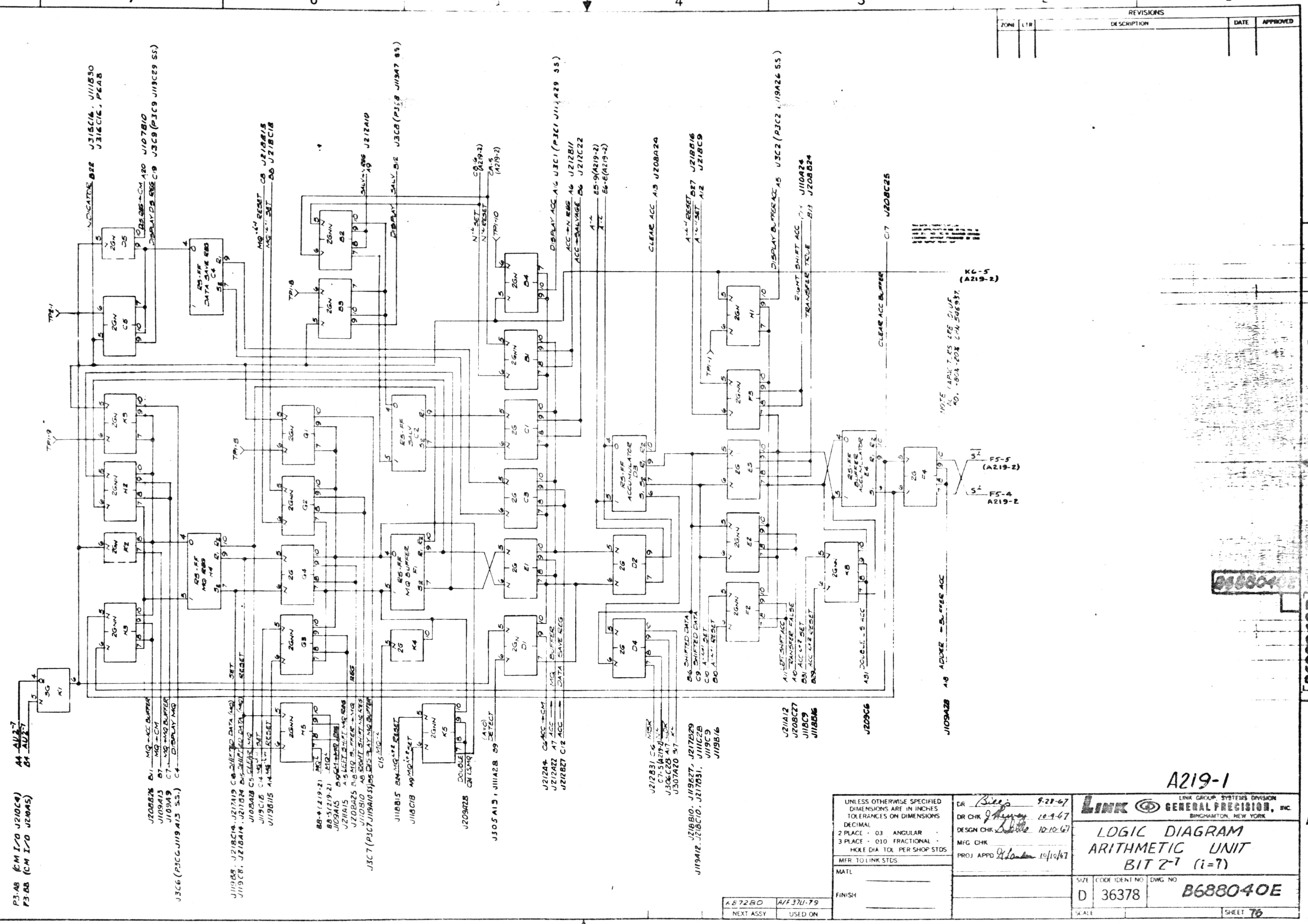


A218-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS. MFR TO LINK STDS	DR I Dunham 9-28-67 DR CHK J Murphy 10-9-67 DESGN CHK D Little 10-10-67 MFG. CHK PROJ APPD M L Anderson 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MATL FINISH		LOGIC DIAGRAM ARITHMETIC UNIT (i = 8) BIT 2-8
6572EC NEXT ASSY / A/R370-T9 USED ON		SIZE D / CODE IDENT NO 36378 / DWG NO B688040E / SCALE / SHEET

B688040E

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED


P3:AB (EM I/O J210C4) A4 AUX-7
P3:BB (CM I/O J208A5) B4 AUX-7
J208B26 B1 MQ→ACC BUFFER
J109A13 B7 MQ→MQ BUFFER
J109A19 C7 MQ→MQ BUFFER
J3C6 (P3CG J119A13 S5.) C4 DISPLAY MQ
J211B30, J111B30 J316C16, P6A8
J107B10 J3C9 (P3C9 J119C29 S5)
J211B10
J3C8 (P3C8 J119A7 S5)
J211B11 J212C22
J218B16 J218C9
J3C2 (P3C2 J119A26 S5.)
J110A24 J208B24
J208C25
J208A29
J208A24
J208C27
J211B12
J118C9
J118B16
J209C6
J109A28
J211B15, J118C14, J211A19 C8 SHIFTED DATA (MQ)
J118C8, J218A14, J211B24 B5 SHIFTED DATA (ACC)
J109A28 C5 SHIFT SET
J119C15 C4 SHIFT RESET
J119B15 A4 SHIFT RESET
J208B25 B8 MQ BUFFER→MQ
J110B10 A8 SHIFT SHIFTING PULSE
J3C7 (P3C7 J119A10 S5) B4 MQ BUFFER
J118B15 B4 ACC→MQ BUFFER
J118C18 A9 ACC→MQ BUFFER
J209A28 DOUBLE PRECISION SHIFT
J305A13, J111A28 B9 (A10) DETECT
J212A24 C6 ACC→CM
J212A22 A7 ACC→ACC
J212B27 C12 MQ→MQ BUFFER
J118B10, J119B27, J211B29
J118C10, J211B31, J111C28
J119C9
J119B16
J212B31 C6 SHIFT
J306C22B A7 SHIFT
J307A20 B7 SHIFT
J119A12, J208C10
J119B12, J208C16
J119C13
J119B13
J119A16
J211B28
J208C26
J109A26
J208A26
J208B26
J208C26
J208A25
J208B25
J208C25
J208A27
J208B27
J208C27
J208A28
J208B28
J208C28
J208A29
J208B29
J208C29
J208A30
J208B30
J208C30
J208A31
J208B31
J208C31
J208A32
J208B32
J208C32
J208A33
J208B33
J208C33
J208A34
J208B34
J208C34
J208A35
J208B35
J208C35
J208A36
J208B36
J208C36
J208A37
J208B37
J208C37
J208A38
J208B38
J208C38
J208A39
J208B39
J208C39
J208A40
J208B40
J208C40
J208A41
J208B41
J208C41
J208A42
J208B42
J208C42
J208A43
J208B43
J208C43
J208A44
J208B44
J208C44
J208A45
J208B45
J208C45
J208A46
J208B46
J208C46
J208A47
J208B47
J208C47
J208A48
J208B48
J208C48
J208A49
J208B49
J208C49
J208A50
J208B50
J208C50
J208A51
J208B51
J208C51
J208A52
J208B52
J208C52
J208A53
J208B53
J208C53
J208A54
J208B54
J208C54
J208A55
J208B55
J208C55
J208A56
J208B56
J208C56
J208A57
J208B57
J208C57
J208A58
J208B58
J208C58
J208A59
J208B59
J208C59
J208A60
J208B60
J208C60
J208A61
J208B61
J208C61
J208A62
J208B62
J208C62
J208A63
J208B63
J208C63
J208A64
J208B64
J208C64
J208A65
J208B65
J208C65
J208A66
J208B66
J208C66
J208A67
J208B67
J208C67
J208A68
J208B68
J208C68
J208A69
J208B69
J208C69
J208A70
J208B70
J208C70
J208A71
J208B71
J208C71
J208A72
J208B72
J208C72
J208A73
J208B73
J208C73
J208A74
J208B74
J208C74
J208A75
J208B75
J208C75
J208A76
J208B76
J208C76
J208A77
J208B77
J208C77
J208A78
J208B78
J208C78
J208A79
J208B79
J208C79
J208A80
J208B80
J208C80
J208A81
J208B81
J208C81
J208A82
J208B82
J208C82
J208A83
J208B83
J208C83
J208A84
J208B84
J208C84
J208A85
J208B85
J208C85
J208A86
J208B86
J208C86
J208A87
J208B87
J208C87
J208A88
J208B88
J208C88
J208A89
J208B89
J208C89
J208A90
J208B90
J208C90
J208A91
J208B91
J208C91
J208A92
J208B92
J208C92
J208A93
J208B93
J208C93
J208A94
J208B94
J208C94
J208A95
J208B95
J208C95
J208A96
J208B96
J208C96
J208A97
J208B97
J208C97
J208A98
J208B98
J208C98
J208A99
J208B99
J208C99
J208A100
J208B100
J208C100
J208A101
J208B101
J208C101
J208A102
J208B102
J208C102
J208A103
J208B103
J208C103
J208A104
J208B104
J208C104
J208A105
J208B105
J208C105
J208A106
J208B106
J208C106
J208A107
J208B107
J208C107
J208A108
J208B108
J208C108
J208A109
J208B109
J208C109
J208A110
J208B110
J208C110
J208A111
J208B111
J208C111
J208A112
J208B112
J208C112
J208A113
J208B113
J208C113
J208A114
J208B114
J208C114
J208A115
J208B115
J208C115
J208A116
J208B116
J208C116
J208A117
J208B117
J208C117
J208A118
J208B118
J208C118
J208A119
J208B119
J208C119
J208A120
J208B120
J208C120
J208A121
J208B121
J208C121
J208A122
J208B122
J208C122
J208A123
J208B123
J208C123
J208A124
J208B124
J208C124
J208A125
J208B125
J208C125
J208A126
J208B126
J208C126
J208A127
J208B127
J208C127
J208A128
J208B128
J208C128
J208A129
J208B129
J208C129
J208A130
J208B130
J208C130
J208A131
J208B131
J208C131
J208A132
J208B132
J208C132
J208A133
J208B133
J208C133
J208A134
J208B134
J208C134
J208A135
J208B135
J208C135
J208A136
J208B136
J208C136
J208A137
J208B137
J208C137
J208A138
J208B138
J208C138
J208A139
J208B139
J208C139
J208A140
J208B140
J208C140
J208A141
J208B141
J208C141
J208A142
J208B142
J208C142
J208A143
J208B143
J208C143
J208A144
J208B144
J208C144
J208A145
J208B145
J208C145
J208A146
J208B146
J208C146
J208A147
J208B147
J208C147
J208A148
J208B148
J208C148
J208A149
J208B149
J208C149
J208A150
J208B150
J208C150
J208A151
J208B151
J208C151
J208A152
J208B152
J208C152
J208A153
J208B153
J208C153
J208A154
J208B154
J208C154
J208A155
J208B155
J208C155
J208A156
J208B156
J208C156
J208A157
J208B157
J208C157
J208A158
J208B158
J208C158
J208A159
J208B159
J208C159
J208A160
J208B160
J208C160
J208A161
J208B161
J208C161
J208A162
J208B162
J208C162
J208A163
J208B163
J208C163
J208A164
J208B164
J208C164
J208A165
J208B165
J208C165
J208A166
J208B166
J208C166
J208A167
J208B167
J208C167
J208A168
J208B168
J208C168
J208A169
J208B169
J208C169
J208A170
J208B170
J208C170
J208A171
J208B171
J208C171
J208A172
J208B172
J208C172
J208A173
J208B173
J208C173
J208A174
J208B174
J208C174
J208A175
J208B175
J208C175
J208A176
J208B176
J208C176
J208A177
J208B177
J208C177
J208A178
J208B178
J208C178
J208A179
J208B179
J208C179
J208A180
J208B180
J208C180
J208A181
J208B181
J208C181
J208A182
J208B182
J208C182
J208A183
J208B183
J208C183
J208A184
J208B184
J208C184
J208A185
J208B185
J208C185
J208A186
J208B186
J208C186
J208A187
J208B187
J208C187
J208A188
J208B188
J208C188
J208A189
J208B189
J208C189
J208A190
J208B190
J208C190
J208A191
J208B191
J208C191
J208A192
J208B192
J208C192
J208A193
J208B193
J208C193
J208A194
J208B194
J208C194
J208A195
J208B195
J208C195
J208A196
J208B196
J208C196
J208A197
J208B197
J208C197
J208A198
J208B198
J208C198
J208A199
J208B199
J208C199
J208A200
J208B200
J208C200
J208A201
J208B201
J208C201
J208A202
J208B202
J208C202
J208A203
J208B203
J208C203
J208A204
J208B204
J208C204
J208A205
J208B205
J208C205
J208A206
J208B206
J208C206
J208A207
J208B207
J208C207
J208A208
J208B208
J208C208
J208A209
J208B209
J208C209
J208A210
J208B210
J208C210
J208A211
J208B211
J208C211
J208A212
J208B212
J208C212
J208A213
J208B213
J208C213
J208A214
J208B214
J208C214
J208A215
J208B215
J208C215
J208A216
J208B216
J208C216
J208A217
J208B217
J208C217
J208A218
J208B218
J208C218
J208A219
J208B219
J208C219
J208A220
J208B220
J208C220
J208A221
J208B221
J208C221
J208A222
J208B222
J208C222
J208A223
J208B223
J208C223
J208A224
J208B224
J208C224
J208A225
J208B225
J208C225
J208A226
J208B226
J208C226
J208A227
J208B227
J208C227
J208A228
J208B228
J208C228
J208A229
J208B229
J208C229
J208A230
J208B230
J208C230
J208A231
J208B231
J208C231
J208A232
J208B232
J208C232
J208A233
J208B233
J208C233
J208A234
J208B234
J208C234
J208A235
J208B235
J208C235
J208A236
J208B236
J208C236
J208A237
J208B237
J208C237
J208A238
J208B238
J208C238
J208A239
J208B239
J208C239
J208A240
J208B240
J208C240
J208A241
J208B241
J208C241
J208A242
J208B242
J208C242
J208A243
J208B243
J208C243
J208A244
J208B244
J208C244
J208A245
J208B245
J208C245
J208A246
J208B246
J208C246
J208A247
J208B247
J208C247
J208A248
J208B248
J208C248
J208A249
J208B249
J208C249
J208A250
J208B250
J208C250
J208A251
J208B251
J208C251
J208A252
J208B252
J208C252
J208A253
J208B253
J208C253
J208A254
J208B254
J208C254
J208A255
J208B255
J208C255
J208A256
J208B256
J208C256
J208A257
J208B257
J208C257
J208A258
J208B258
J208C258
J208A259
J208B259
J208C259
J208A260
J208B260
J208C260
J208A261
J208B261
J208C261
J208A262
J208B262
J208C262
J208A263
J208B263
J208C263
J208A264
J208B264
J208C264
J208A265
J208B265
J208C265
J208A266
J208B266
J208C266
J208A267
J208B267
J208C267
J208A268
J208B268
J208C268
J208A269
J208B269
J208C269
J208A270
J208B270
J208C270
J208A271
J208B271
J208C271
J208A272
J208B272
J208C272
J208A273
J208B273
J208C273
J208A274
J208B274
J208C274
J208A275
J208B275
J208C275
J208A276
J208B276
J208C276
J208A277
J208B277
J208C277
J208A278
J208B278
J208C278
J208A279
J208B279
J208C279
J208A280
J208B280
J208C280
J208A281
J208B281
J208C281
J208A282
J208B282
J208C282
J208A283
J208B283
J208C283
J208A284
J208B284
J208C284
J208A285
J208B285
J208C285
J208A286
J208B286
J208C286
J208A287
J208B287
J208C287
J208A288
J208B288
J208C288
J208A289
J208B289
J208C289
J208A290
J208B290
J208C290
J208A291
J208B291
J208C291
J208A292
J208B292
J208C292
J208A293
J208B293
J208C293
J208A294
J208B294
J208C294
J208A295
J208B295
J208C295
J208A296
J208B296
J208C296
J208A297
J208B297
J208C297
J208A298
J208B298
J208C298
J208A299
J208B299
J208C299
J208A300
J208B300
J208C300
J208A301
J208B301
J208C301
J208A302
J208B302
J208C302
J208A303
J208B303
J208C303
J208A304
J208B304
J208C304
J208A305
J208B305
J208C305
J208A306
J208B306
J208C306
J208A307
J208B307
J208C307
J208A308
J208B308
J208C308
J208A309
J208B309
J208C309
J208A310
J208B310
J208C310
J208A311
J208B311
J208C311
J208A312
J208B312
J208C312
J208A313
J208B313
J208C313
J208A314
J208B314
J208C314
J208A315
J208B315
J208C315
J208A316
J208B316
J208C316
J208A317
J208B317
J208C317
J208A318
J208B318
J208C318
J208A319
J208B319
J208C319
J208A320
J208B320
J208C320
J208A321
J208B321
J208C321
J208A322
J208B322
J208C322
J208A323
J208B323
J208C323
J208A324
J208B324
J208C324
J208A325
J208B325
J208C325
J208A326
J208B326
J208C326
J208A327
J208B327
J208C327
J208A328
J208B328
J208C328
J208A329
J208B329
J208C329
J208A330
J208B330
J208C330
J208A331
J208B331
J208C331
J208A332
J208B332
J208C332
J208A333
J208B333
J208C333
J208A334
J208B334
J208C334
J208A335
J208B335
J208C335
J208A336
J208B336
J208C336
J208A337
J208B337
J208C337
J208A338
J208B338
J208C338
J208A339
J208B339
J208C339
J208A340
J208B340
J208C340
J208A341
J208B341
J208C341
J208A342
J208B342
J208C342
J208A343
J208B343
J208C343
J208A344
J208B344
J208C344
J208A345
J208B345
J208C345
J208A346
J208B346
J208C346
J208A347
J208B347
J208C347
J208A348
J208B348
J208C348
J208A349
J208B349
J208C349
J208A350
J208B350
J208C350
J208A351
J208B351
J208C351
J208A352
J208B352
J208C352
J208A353
J208B353
J208C353
J208A354
J208B354
J208C354
J208A355
J208B355
J208C355
J208A356
J208B356
J208C356
J208A357
J208B357
J208C357
J208A358
J208B358
J208C358
J208A359
J208B359
J208C359
J208A360
J208B360
J208C360
J208A361
J208B361
J208C361
J208A362
J208B362
J208C362
J208A363
J208B363
J208C363
J208A364
J208B364
J208C364
J208A365
J208B365
J208C365
J208A366
J208B366
J208C366
J208A367
J208B367
J208C367
J208A368
J208B368
J208C368
J208A369
J208B369
J208C369
J208A370
J208B370
J208C370
J208A371
J208B371
J208C371
J208A372
J208B372
J208C372
J208A373
J208B373
J208C373
J208A374
J208B374
J208C374
J208A375
J208B375
J208C375
J208A376
J208B376
J208C376
J208A377
J208B377
J208C377
J208A378
J208B378
J208C378
J208A379
J208B379
J208C379
J208A380
J208B380
J208C380
J208A381
J208B381
J208C381
J208A382
J208B382
J208C382
J208A383
J208B383
J208C383
J208A384
J208B384
J208C384
J208A385
J208B385
J208C385
J208A386
J208B386
J208C386
J208A387
J208B387
J208C387
J208A388
J208B388
J208C388
J208A389
J208B389
J208C389
J208A390
J208B390
J208C390
J208A391
J208B391
J208C391
J208A392
J208B392
J208C392
J208A393
J208B393
J208C393
J208A394
J208B394
J208C394
J208A395
J208B395
J208C395
J208A396
J208B396
J208C396
J208A397
J208B397
J208C397
J208A398
J208B398
J208C398
J208A399
J208B399
J208C399
J208A400
J208B400
J208C400
J208A401
J208B401
J208C401
J208A402
J208B402
J208C402
J208A403
J208B403
J208C403
J208A404
J208B404
J208C404
J208A405
J208B405
J208C405
J208A406
J208B406
J208C406
J208A407
J208B407
J208C407
J208A408
J208B408
J208C408
J208A409
J208B409
J208C409
J208A410
J208B410
J208C410
J208A411
J208B411
J208C411
J208A412
J208B412
J208C412
J208A413
J208B413
J208C413
J208A414
J208B414
J208C414
J208A415
J208B415
J208C415
J208A416
J208B416
J208C416
J208A417
J208B417
J208C417
J208A418
J208B418
J208C418
J208A419
J208B419
J208C419
J208A420
J208B420
J208C420
J208A421
J208B421
J208C421
J208A422
J208B422
J208C422
J208A423
J208B423
J208C423
J208A424
J208B424
J208C424
J208A425
J208B425
J208C425
J208A426
J208B426
J208C426
J208A427
J208B427
J208C427
J208A428
J208B428
J208C428
J208A429
J208B429
J208C429
J208A430
J208B430
J208C430
J208A431
J208B431
J208C431
J208A432
J208B432
J208C432
J208A433
J208B433
J208C433
J208A434
J208B434
J208C434
J208A435
J208B435
J208C435
J208A436
J208B436
J208C436
J208A437
J208B437
J208C437
J208A438
J208B438
J208C438
J208A439
J208B439
J208C439
J208A440
J208B440
J208C440
J208A441
J208B441
J208C441
J208A442
J208B442
J208C442
J208A443
J208B443
J208C443
J208A444
J208B444
J208C444
J208A445
J208B445
J208C445
J208A446
J208B446
J208C446
J208A447
J208B447
J208C447
J208A448
J208B448
J208C448
J208A449
J208B449
J208C449
J208A450
J208B450
J208C450
J208A451
J208B451
J208C451
J208A452
J208B452
J208C452
J208A453
J208B453
J208C453
J208A454
J208B454
J208C454
J208A455
J208B455
J208C455
J208A456
J208B456
J208C456
J208A457
J208B457
J208C457
J208A458
J208B458
J208C458
J208A459
J208B459
J208C459
J208A460
J208B460
J208C460
J208A461
J208B461
J208C461
J208A462
J208B462
J208C462
J208A463
J208B463
J208C463
J208A464
J208B464
J208C464
J208A465
J208B465
J208C465
J208A466
J208B466
J208C466
J208A467
J208B467
J208C467
J208A468
J208B468
J208C468
J208A469
J208B469
J208C469
J208A470
J208B470
J208C470
J208A471
J208B471
J208C471
J208A472
J208B472
J208C472
J208A473
J208B473
J208C473
J208A474
J208B474
J208C474
J208A475
J208B475
J208C475
J208A476
J208B476
J208C476
J208A477
J208B477
J208C477
J208A478
J208B478
J208C478
J208A479
J208B479
J208C479
J208A480
J208B480
J208C480
J208A481
J208B481
J208C481
J208A482
J208B482
J208C482
J208A483
J208B483
J208C483
J208A484
J208B484
J208C484
J208A485
J208B485
J208C485
J208A486
J208B486
J208C486
J208A487
J208B487
J208C487
J208A488
J208B488
J208C488
J208A489
J208B489
J208C489
J208A490
J208B490
J208C490
J208A491
J208B491
J208C491
J208A492
J208B492
J208C492
J208A493
J208B493
J208C493
J208A494
J208B494
J208C494
J208A495
J208B495
J208C495
J208A496
J208B496
J208C496
J208A497
J208B497
J208C497
J208A498
J208B498
J208C498
J208A499
J208B499
J208C499
J208A500
J208B500
J208C500
J208A501
J208B501
J208C501
J208A502
J208B502
J208C502
J208A503
J208B503
J208C503
J208A504
J208B504
J208C504
J208A505
J208B505
J208C505
J208A506
J208B506
J208C506
J208A507
J208B507
J208C507
J208A508
J208B508
J208C508
J208A509
J208B509
J208C509
J208A510
J208B510
J208C510
J208A511
J208B511
J208C511
J208A512
J208B512
J208C512
J208A513
J208B513
J208C513
J208A514
J208B514
J208C514
J208A515
J208B515
J208C515
J208A516
J208B516
J208C516
J208A517
J208B517
J208C517
J208A518
J208B518
J208C518
J208A519
J208B519
J208C519
J208A520
J208B520
J208C520
J208A521
J208B521
J208C521
J208A522
J208B522
J208C522
J208A523
J208B523
J208C523
J208A524
J208B524
J208C524
J208A525
J208B525
J208C525
J208A526
J208B526
J208C526
J208A527
J208B527
J208C527
J208A528
J208B528
J208C528
J208A529
J208B529
J208C529
J208A530
J208B530
J208C530
J208A531
J208B531
J208C531
J208A532
J208B532
J208C532
J208A533
J208B533
J208C533
J208A534
J208B534
J208C534
J208A535
J208B535
J208C535
J208A536
J208B536
J208C536
J208A537
J208B537
J208C537
J208A538
J208B538
J208C538
J208A539
J208B539
J208C539
J208A540
J208B540
J208C540
J208A541
J208B541
J208C541
J208A542
J208B542
J208C542
J208A543
J208B543
J208C543
J208A544
J208B544
J208C544
J208A545
J208B545
J208C545
J208A546
J208B546
J208C546
J208A547
J208B547
J208C547
J208A548
J208B548
J208C548
J208A549
J208B549
J208C549
J208A550
J208B550
J208C550
J208A551
J208B551
J208C551
J208A552
J208B552
J208C552
J208A553
J208B553
J208C553
J208A554
J208B554
J208C554
J208A555
J208B555
J208C555
J208A556
J208B556
J208C556
J208A557
J208B557
J208C557
J208A558
J208B558
J208C558
J208A559
J208B559
J208C559
J208A560
J208B560
J208C560
J208A561
J208B561
J208C561
J208A562
J208B562
J208C562
J208A563
J208B563
J208C563
J208A564
J208B564
J208C564
J208A565
J208B565
J208C565
J208A566
J208B566
J208C566
J208A567
J208B567
J208C567
J208A568
J208B568
J208C568
J208A569
J208B569
J208C569
J208A570
J208B570
J208C570
J208A571
J208B571
J208C571
J208A572
J208B572
J208C572
J208A573
J208B573
J208C573
J208A574
J208B574
J208C574
J208A575
J208B575
J208C575
J208A576
J208B576
J208C576
J208A577
J208B577
J208C577
J208A578
J208B578
J208C578
J208A579
J208B579
J208C579
J208A580
J208B580
J208C580
J208A581
J208B581
J208C581
J208A582
J208B582
J208C582
J208A583
J208B583
J208C583
J208A584
J208B584
J208C584
J208A585
J208B585
J208C585
J208A586
J208B586
J208C586
J208A587
J208B587
J208C587
J208A588
J208B588
J208C588
J208A589
J208B589
J208C589
J208A590
J208B590
J208C590
J208A591
J208B591
J208C591
J208A592
J208B592
J208C592
J208A593
J208B593
J208C593
J208A594
J208B594
J208C594
J208A595
J208B595
J208C595
J208A596
J208B596
J208C596
J208A597
J208B597
J208C597
J208A598
J208B598
J208C598
J208A599
J208B599
J208C599
J208A600
J208B600
J208C600
J208A601
J208B601
J208C601
J208A602
J208B602
J208C602
J208A603
J208B603
J208C603
J208A604
J208B604
J208C604
J208A605
J208B605
J208C605
J208A606
J208B606
J208C606
J208A607
J208B607
J208C607
J208A608
J208B608
J208C608
J208A609
J208B609
J208C609
J208A610
J208B610
J208C610
J208A611
J208B611
J208C611
J208A612
J208B612
J208C612
J208A613
J208B613
J208C613
J208A614
J208B614
J208C614
J208A615
J208B615
J208C615
J208A616
J208B616
J208C616
J208A617
J208B617
J208C617
J208A618
J208B618
J208C618
J208A619
J208B619
J208C619
J208A620
J208B620
J208C620
J208A621
J208B621
J208C621
J208A622
J208B622
J208C622
J208A623
J208B623
J208C623
J208A624
J208B624
J208C624
J208A625
J208B625
J208C625
J208A626
J208B626
J208C626
J208A627
J208B627
J208C627
J208A628
J208B628
J208C628
J208A629
J208B629
J208C629
J208A630
J208B630
J208C630
J208A631
J208B631
J208C631
J208A632
J208B632
J208C632
J208A633
J208B633
J208C633
J208A634
J208B634
J208C634
J208A635
J208B635
J208C635
J208A636
J208B636
J208C636
J208A637
J208B637
J208C637
J208A638
J208B638
J208C638
J208A639
J208B639
J208C639
J208A640
J208B640
J208C640
J208A641
J208B641
J208C641
J208A642
J208B642
J208C642
J208A643
J208B643
J208C643
J208A644
J208B644
J208C644
J208A645
J208B645
J208C645
J208A646
J208B646
J208C646
J208A647
J208B647
J208C647
J208A648
J208B648
J208C648
J208A649
J208B649
J208C649
J208A650
J208B650
J208C650
J208A651
J208B651
J208C651
J208A652
J208B652
J208C652
J208A653
J208B653
J208C653
J208A654
J208B654
J208C654
J208A655
J208B655
J208C655
J208A656
J208B656
J208C656
J208A657
J208B657
J208C657
J208A658
J208B658
J208C658
J208A659
J208B659
J208C659
J208A660
J208B660
J208C660
J208A661
J208B661
J208C661
J208A662
J208B662
J208C662
J208A663
J208B663
J208C663
J208A664
J208B664
J208C664
J208A665
J208B665
J208C665
J208A666
J208B666
J208C666
J208A667
J208B667
J208C667
J208A668
J208B668
J208C668
J208A669
J208B669
J208C669
J208A670
J208B670
J208C670
J208A671
J208B671
J208C671
J208A672
J208B672
J208C672
J208A673
J208B673
J208C673
J208A674
J208B674
J208C674
J208A675
J208B675
J208C675
J208A676
J208B676
J208C676
J208A677
J208B677
J208C677
J208A678
J208B678
J208C678
J208A679
J208B679
J208C679
J208A680
J208B680
J208C680
J208A681
J208B681
J208C681
J208A682
J208B682
J208C682
J208A683
J208B683
J208C683
J208A684
J208B684
J208C684
J208A685
J208B685
J208C685
J208A686
J208B686
J208C686
J208A687
J208B687
J208C687
J208A688
J208B688
J208C688
J208A689
J208B689
J208C689
J208A690
J208B690
J208C690
J208A691
J208B691
J208C691
J208A692
J208B692
J208C692
J208A693
J208B693
J208C693
J208A694
J208B694
J208C694
J208A695
J208B695
J208C695
J208A696
J208B696
J208C696
J208A697
J208B697
J208C697
J208A698
J208B698
J208C698
J208A699
J208B699
J208C699
J208A700
J208B700
J208C700
J208A701
J208B701
J208C701
J208A702
J208B702
J208C702
J208A703
J208B703
J208C703
J208A704
J208B704
J208C704
J208A705
J208B705
J208C705
J208A706
J208B706
J208C706
J208A707
J208B707
J208C707
J208A708
J208B708
J208C708
J208A709
J208B709
J208C709
J208A710
J208B710
J208C710
J208A711
J208B711
J208C711
J208A712
J208B712
J208C712
J208A713
J208B713
J208C713
J208A714
J208B714
J208C714
J208A715
J208B715
J208C715
J208A716
J208B716
J208C716
J208A717
J208B717
J208C717
J208A718
J208B718
J208C718
J208A719
J208B719
J208C719
J208A720
J208B720
J208C720
J208A721
J208B721
J208C721
J208A722
J208B722
J208C722
J208A723
J208B723
J208C723
J208A724
J208B724
J208C724
J208A725
J208B725
J208C725
J208A726
J208B726
J208C726
J208A727
J208B727
J208C727
J208A728
J208B728
J208C728
J208A729
J208B729
J208C729
J208A730
J208B730
J208C730
J208A731
J208B731
J208C731
J208A732
J208B732
J208C732
J208A733
J208B733
J208C733
J208A734
J208B734
J208C734
J208A735
J208B735
J208C735
J208A736
J208B736
J208C736
J208A737
J208B737
J208C737
J208A738
J208B738
J208C738
J208A739
J208B739
J208C739
J208A740
J208B740
J208C740
J208A741
J208B741
J208C741
J208A742
J208B742
J208C742
J208A743
J208B743
J208C743
J208A744
J208B744
J208C744
J208A745
J208B745
J208C745
J208A746
J208B746
J208C746
J208A747
J208B747
J208C747
J208A748
J208B748
J208C748
J208A749
J208B749
J208C749
J208A750
J208B750
J208C750
J208A751
J208B751
J208C751
J208A752
J208B752
J208C752
J208A753
J208B753
J208C753
J208A754
J208B754
J208C754
J208A755
J208B755
J208C755
J208A756
J208B756
J208C756
J208A757
J208B757
J208C757
J208A758
J208B758
J208C758
J208A759
J208B759
J208C759
J208A760
J208B760
J208C760
J208A761
J208B761
J208C761
J208A762
J208B762
J208C762
J208A763
J208B763
J208C763
J208A764
J208B764
J208C764
J208A765
J208B765
J208C765
J208A766
J208B766
J208C766
J208A767
J208B767
J208C767
J208A768
J208B768
J208C768
J208A769
J208B769
J208C769
J208A770
J208B770
J208C770
J208A771
J208B771
J208C771
J208A772
J208B772
J208C772
J208A773
J208B773
J208C773
J208A774
J208B774
J208C774
J208A775
J208B775
J208C775
J208A776
J208B776
J208C776
J208A777
J208B777
J208C777
J208A778
J208B778
J208C778
J208A779
J208B779
J208C779
J208A780
J208B780
J208C780
J208A781
J208B781
J208C781
J208A782
J208B782
J208C782
J208A783
J208B783
J208C783
J208A784
J208B784
J208C784
J208A785
J208B785
J208C785
J208A786
J208B786
J208C786
J208A787
J208B787
J208C787
J208A788
J208B788
J208C788
J208A789
J208B789
J208C789
J208A790
J208B790
J208C790
J208A791
J208B791
J208C791
J208A792
J208B792
J208C792
J208A793
J208B793
J208C793
J208A794
J208B794
J208C794
J208A795
J208B795
J208C795
J208A796
J208B796
J208C796
J208A797
J208B797
J208C797
J208A798
J208B798
J208C798
J208A799
J208B799
J208C799
J208A800
J208B800
J208C800
J208A801
J208B801
J208C801
J208A802
J208B802
J208C802
J208A803
J208B803
J208C803
J208A804
J208B804
J208C804
J208A805
J208B805
J208C805
J208A806
J208B806
J208C806
J208A807
J208B807
J208C807
J208A808
J208B808
J208C808
J208A809
J208B809
J208C809
J208A810
J208B810
J208C810
J208A811
J208B811
J208C811
J208A812
J208B812
J208C812
J208A813
J208B813
J208C813
J208A814
J208B814
J208C814
J208A815
J208B815
J208C815
J208A816
J208B816
J208C816
J208A817
J208B817
J208C817
J208A818
J208B818
J208C818
J208A819
J208B819
J208C819
J208A820
J208B820
J208C820
J208A821
J208B821
J208C821
J208A822
J208B822
J208C822
J208A823
J208B823
J208C823
J208A824
J208B824
J208C824
J208A825
J208B825
J208C825
J208A826
J208B826
J208C826
J208A827
J208B827
J208C827
J208A828
J208B828
J208C828
J208A829
J208B829
J208C829
J208A830
J208B830
J208C830
J208A831
J208B831
J208C831
J208A832
J208B832
J208C832
J208A833
J208B833
J208C833
J208A834
J208B834
J208C834
J208A835
J208B835
J208C835
J208A836
J208B836
J208C836
J208A837
J208B837
J208C837
J208A838
J208B838
J208C838
J208A839
J208B839
J208C839
J208A840
J208B840
J208C840
J208A841
J208B841
J208C841
J208A842
J208B842
J208C842
J208A843
J208B843
J208C843
J208A844
J208B844
J208C844
J208A845
J208B845
J208C845
J208A846
J208B846
J208C846
J208A847
J208B847
J208C847
J208A848
J208B848
J208C848
J208A849
J208B849
J208C849
J208A850
J208B850
J208C850
J208A851
J208B851
J208C851
J208A852
J208B852
J208C852
J208A853
J208B853
J208C853
J208A854
J208B854
J208C854
J208A855
J208B855
J208C855
J208A856
J208B856
J208C856
J208A857
J208B857
J208C857
J208A858
J208B858
J208C858
J208A859
J208B859
J208C859
J208A860
J208B860
J208C860
J208A861
J208B861
J208C861
J208A862
J208B862
J208C862
J208A863
J208B863
J208C863
J208A864
J208B864
J208C864
J208A865
J208B865
J208C865
J208A866
J208B866
J208C866
J208A867
J208B867
J208C867
J208A868
J208B868
J208C868
J208A869
J208B869
J208C869
J208A870
J208B870
J208C870
J208A871
J208B871
J208C871
J208A872
J208B872
J208C872
J208A873
J208B873
J208C873
J208A874
J208B874
J208C874
J208A875
J208B875
J208C875
J208A876
J208B876
J208C876
J208A877
J208B877
J208C877
J208A878
J208B878
J208C878
J208A879
J208B879
J208C879
J208A880
J208B880
J208C880
J208A881
J208B881
J208C881
J208A882
J208B882
J208C882
J208A883
J208B883
J208C883
J208A884
J208B884
J208C884
J208A885
J208B885
J208C885
J208A886
J208B886
J208C886
J208A887
J208B887
J208C887
J208A888
J208B888
J208C888
J208A889
J208B889
J208C889
J208A890
J208B890
J208C890
J208A891
J208B891
J208C891
J208A892
J208B892
J208C892
J208A893
J208B893
J208C893
J208A894
J208B894
J208C894
J208A895
J208B895
J208C895
J208A896
J208B896
J208C896
J208A897
J208B897
J208C897
J208A898
J208B898
J208C898
J208A899
J208B899
J208C899
J208A900
J208B900
J208C900
J208A901
J208B901
J208C901
J208A902
J208B902
J208C902
J208A903
J208B903
J208C903
J208A904
J208B904
J208C904
J208A905
J208B905
J208C905
J208A906
J208B906
J208C906
J208A907
J208B907
J208C907
J208A908
J208B908
J208C908
J208A909
J208B909
J208C909
J208A910
J208B910
J208C910
J208A911
J208B911
J208C911
J208A912
J208B912
J208C912
J208A913
J208B913
J208C913
J208A914
J208B914
J208C914
J208A915
J208B915
J208C915
J208A916
J208B916
J208C916
J208A917
J208B917
J208C917
J208A918
J208B918
J208C918
J208A919
J208B919
J208C919
J208A920
J208B920
J208C920
J208A921
J208B921
J208C921
J208A922
J208B922
J208C922
J208A923
J208B923
J208C923
J208A924
J208B924
J208C924
J208A925
J208B925
J208C925
J208A926
J208B926
J208C926
J208A927
J208B927
J208C927
J208A928
J208B928
J208C928
J208A929
J208B929
J208C929
J208A930
J208B930
J208C930
J208A931
J208B931
J208C931
J208A932
J208B932
J208C932
J208A933
J208B933
J208C933
J208A934
J208B934
J208C934
J208A935
J208B935
J208C935
J208A936
J208B936
J208C936
J208A937
J208B937
J208C937
J208A938
J208B938
J208C938
J208A939
J208B939
J208C939
J208A940
J208B940
J208C940
J208A941
J208B941
J208C941
J208A942
J208B942
J208C942
J208A943
J208B943
J208C943
J208A944
J208B944
J208C944
J208A945
J208B945
J208C945
J208A946
J208B946
J208C946
J208A947
J208B947
J208C947
J208A948
J208B948
J208C948
J208A949
J208B949
J208C949
J208A950
J208B950
J208C950
J208A951
J208B951
J208C951
J208A952
J208B952
J208C952
J208A953
J208B953
J208C953
J208A954
J208B954
J208C954
J208A955
J208B955
J208C955
J208A956
J208B956
J208C956
J208A957
J208B957
J208C957
J208A958
J208B958
J208C958
J208A959
J208B959
J208C959
J208A960
J208B960
J208C960
J208A961
J208B961
J208C961
J208A962
J208B962
J208C962
J208A963
J208B963
J208C963
J208A964
J208B964
J208C964
J208A965
J208B965
J208C965
J208A966
J208B966
J208C966
J208A967
J208B967
J208C967
J208A968
J208B968
J208C968
J208A969
J208B969
J208C969
J208A970
J208B970
J208C970
J208A971
J208B971
J208C971
J208A972
J208B972
J208C972
J208A973
J208B973
J208C973
J208A974
J208B974
J208C974
J208A975
J208B975
J208C975
J208A976
J208B976
J208C976
J208A977
J208B977
J208C977
J208A978
J208B978
J208C978
J208A979
J208B979
J208C979
J208A980
J208B980
J208C980
J208A981
J208B981
J208C981
J208A982
J208B982
J208C982
J208A983
J208B983
J208C983
J208A984
J208B984
J208C984
J208A985
J208B985
J208C985
J208A986
J208B986
J208C986
J208A987
J208B987
J208C987
J208A988
J208B988
J208C988
J208A989
J208B989
J208C989
J208A990
J208B990
J208C990
J208A991
J208B991
J208C991
J208A992
J208B992
J208C992
J208A993
J208B993
J208C993
J208A994
J208B994
J208C994
J208A995
J208B995
J208C995
J208A996
J208B996
J208C996
J208A997
J208B997
J208C997
J208A998
J208B998
J208C998
J208A999
J208B999
J208C999
J208A1000
J208B1000
J208C1000
J208A1001
J208B1001
J208C1001
J208A1002
J208B1002
J208C1002
J208A1003
J208B1003
J208C1003
J208A1004
J208B1004
J208C1004
J208A1005
J208B1005
J208C1005
J208A1006
J208B1006
J208C1006
J208A1007
J208B1007
J208C1007
J208A1008
J208B1008
J208C1008
J208A1009
J208B1009
J208C1009
J208A1010
J208B1010
J208C1010
J208A1011
J208B1011
J208C1011
J208A1012
J208B1012
J208C1012
J208A1013
J208B1013
J208C1013
J208A1014
J208B1014
J208C1014
J208A1015
J208B1015
J208C1015
J208A1016
J208B1016
J208C1016
J208A1017
J208B1017
J208C1017
J208A1018
J208B1018
J208C1018
J208A1019
J208B1019
J208C1019
J208A1020
J208B1020
J208C1020
J208A1021
J208B1021
J208C1021
J208A1022
J208B1022
J208C1022
J208A1023
J208B1023
J208C1023
J208A1024
J208B1024
J208C1024
J208A1025
J208B1025
J208C1025
J208A1026
J208B

REVISIONS			
ZONE	TR	DESCRIPTION	DATE	APPROVED

TO INDICATOR H-(SA219-1) DISPLAY SUM A22 J3C3 (PLUG J11BA23 SS)

J3C4 (PLUG J11BA20 SS)

J11085

J218B20

J218A21

J3C5 (PLUG J11BA17 SS)

J218B13

J218C25

J218A25

J11C10

J11C11

J11C12

J11C13

J11C14

J11C15

J11C16

J11C17

J11C18

J11C19

J11C20

J11C21

J11C22

J11C23

J11C24

J11C25

J11C26

J11C27

J11C28

J11C29

J11C30

J11C31

J11C32

J11C33

J11C34

J11C35

J11C36

J11C37

J11C38

J11C39

J11C40

J11C41

J11C42

J11C43

J11C44

J11C45

J11C46

J11C47

J11C48

J11C49

J11C50

J11C51

J11C52

J11C53

J11C54

J11C55

J11C56

J11C57

J11C58

J11C59

J11C60

J11C61

J11C62

J11C63

J11C64

J11C65

J11C66

J11C67

J11C68

J11C69

J11C70

J11C71

J11C72

J11C73

J11C74

J11C75

J11C76

J11C77

J11C78

J11C79

J11C80

J11C81

J11C82

J11C83

J11C84

J11C85

J11C86

J11C87

J11C88

J11C89

J11C90

J11C91

J11C92

J11C93

J11C94

J11C95

J11C96

J11C97

J11C98

J11C99

J11C100

J11C101

J11C102

J11C103

J11C104

J11C105

J11C106

J11C107

J11C108

J11C109

J11C110

J11C111

J11C112

J11C113

J11C114

J11C115

J11C116

J11C117

J11C118

J11C119

J11C120

J11C121

J11C122

J11C123

J11C124

J11C125

J11C126

J11C127

J11C128

J11C129

J11C130

J11C131

J11C132

J11C133

J11C134

J11C135

J11C136

J11C137

J11C138

J11C139

J11C140

J11C141

J11C142

J11C143

J11C144

J11C145

J11C146

J11C147

J11C148

J11C149

J11C150

J11C151

J11C152

J11C153

J11C154

J11C155

J11C156

J11C157

J11C158

J11C159

J11C160

J11C161

J11C162

J11C163

J11C164

J11C165

J11C166

J11C167

J11C168

J11C169

J11C170

J11C171

J11C172

J11C173

J11C174

J11C175

J11C176

J11C177

J11C178

J11C179

J11C180

J11C181

J11C182

J11C183

J11C184

J11C185

J11C186

J11C187

J11C188

J11C189

J11C190

J11C191

J11C192

J11C193

J11C194

J11C195

J11C196

J11C197

J11C198

J11C199

J11C200

J11C201

J11C202

J11C203

J11C204

J11C205

J11C206

J11C207

J11C208

J11C209

J11C210

J11C211

J11C212

J11C213

J11C214

J11C215

J11C216

J11C217

J11C218

J11C219

J11C220

J11C221

J11C222

J11C223

J11C224

J11C225

J11C226

J11C227

J11C228

J11C229

J11C230

J11C231

J11C232

J11C233

J11C234

J11C235

J11C236

J11C237

J11C238

J11C239

J11C240

J11C241

J11C242

J11C243

J11C244

J11C245

J11C246

J11C247

J11C248

J11C249

J11C250

J11C251

J11C252

J11C253

J11C254

J11C255

J11C256

J11C257

J11C258

J11C259

J11C260

J11C261

J11C262

J11C263

J11C264

J11C265

J11C266

J11C267

J11C268

J11C269

J11C270

J11C271

J11C272

J11C273

J11C274

J11C275

J11C276

J11C277

J11C278

J11C279

J11C280

J11C281

J11C282

J11C283

J11C284

J11C285

J11C286

J11C287

J11C288

J11C289

J11C290

J11C291

J11C292

J11C293

J11C294

J11C295

J11C296

J11C297

J11C298

J11C299

J11C300

J11C301

J11C302

J11C303

J11C304

J11C305

J11C306

J11C307

J11C308

J11C309

J11C310

J11C311

J11C312

J11C313

J11C314

J11C315

J11C316

J11C317

J11C318

J11C319

J11C320

J11C321

J11C322

J11C323

J11C324

J11C325

J11C326

J11C327

J11C328

J11C329

J11C330

J11C331

J11C332

J11C333

J11C334

J11C335

J11C336

J11C337

J11C338

J11C339

J11C340

J11C341

J11C342

J11C343

J11C344

J11C345

J11C346

J11C347

J11C348

J11C349

J11C350

J11C351

J11C352

J11C353

J11C354

J11C355

J11C356

J11C357

J11C358

J11C359

J11C360

J11C361

J11C362

J11C363

J11C364

J11C365

J11C366

J11C367

J11C368

J11C369

J11C370

J11C371

J11C372

J11C373

J11C374

J11C375

J11C376

J11C377

J11C378

J11C379

J11C380

J11C381

J11C382

J11C383

J11C384

J11C385

J11C386

J11C387

J11C388

J11C389

J11C390

J11C391

J11C392

J11C393

J11C394

J11C395

J11C396

J11C397

J11C398

J11C399

J11C400

J11C401

J11C402

J11C403

J11C404

J11C405

J11C406

J11C407

J11C408

J11C409

J11C410

J11C411

J11C412

J11C413

J11C414

J11C415

J11C416

J11C417

J11C418

J11C419

J11C420

J11C421

J11C422

J11C423

J11C424

J11C425

J11C426

J11C427

J11C428

J11C429

J11C430

J11C431

J11C432

J11C433

J11C434

J11C435

J11C436

J11C437

J11C438

J11C439

J11C440

J11C441

J11C442

J11C443

J11C444

J11C445

J11C446

J11C447

J11C448

J11C449

J11C450

J11C451

J11C452

J11C453

J11C454

J11C455

J11C456

J11C457

J11C458

J11C459

J11C460

J11C461

J11C462

J11C463

J11C464

J11C465

J11C466

J11C467

J11C468

J11C469

J11C470

J11C471

J11C472

J11C473

J11C474

J11C475

J11C476

J11C477

J11C478

J11C479

J11C480

J11C481

J11C482

J11C483

J11C484

J11C485

J11C486

J11C487

J11C488

J11C489

J11C490

J11C491

J11C492

J11C493

J11C494

J11C495

J11C496

J11C497

J11C498

J11C499

J11C500

J11C501

J11C502

J11C503

J11C504

J11C505

J11C506

J11C507

J11C508

J11C509

J11C510

J11C511

J11C512

J11C513

J11C514

J11C515

J11C516

J11C517

J11C518

J11C519

J11C520

J11C521

J11C522

J11C523

J11C524

J11C525

J11C526

J11C527

J11C528

J11C529

J11C530

J11C531

J11C532

J11C533

J11C534

J11C535

J11C536

J11C537

J11C538

J11C539

J11C540

J11C541

J11C542

J11C543

J11C544

J11C545

J11C546

J11C547

J11C548

J11C549

J11C550

J11C551

J11C552

J11C553

J11C554

J11C555

J11C556

J11C557

J11C558

J11C559

J11C560

J11C561

J11C562

J11C563

J11C564

J11C565

J11C566

J11C567

J11C568

J11C569

J11C570

J11C571

J11C572

J11C573

J11C574

J11C575

J11C576

J11C577

J11C578

J11C579

J11C580

J11C581

J11C582

J11C583

J11C584

J11C585

J11C586

J11C587

J11C588

J11C589

J11C590

J11C591

J11C592

J11C593

J11C594

J11C595

J11C596

J11C597

J11C598

J11C599

J11C600

J11C601

J11C602

J11C603

J11C604

J11C605

J11C606

J11C607

J11C608

J11C609

J11C610

J11C611

J11C612

J11C613

J11C614

J11C615

J11C616

J11C617

J11C618

J11C619

J11C620

J11C621

J11C622

J11C623

J11C624

J11C625

J11C626

J11C627

J11C628

J11C629

J11C630

J11C631

J11C632

J11C633

J11C634

J11C635

J11C636

J11C637

J11C638

J11C639

J11C640

J11C641

J11C642

J11C643

J11C644

J11C645

J11C646

J11C647

J11C648

J11C649

J11C650

J11C651

J11C652

J11C653

J11C654

J11C655

J11C656

J11C657

J11C658

J11C659

J11C660

J11C661

J11C662

J11C663

J11C664

J11C665

J11C666

J11C667

J11C668

J11C669

J11C670

J11C671

J11C672

J11C673

J11C674

J11C675

J11C676

J11C677

J11C678

J11C679

J11C680

J11C681

J11C682

J11C683

J11C684

J11C685

J11C686

J11C687

J11C688

J11C689

J11C690

J11C691

J11C692

J11C693

J11C694

J11C695

J11C696

J11C697

J11C698

J11C699

J11C700

J11C701

J11C702

J11C703

J11C704

J11C705

J11C706

J11C707

J11C708

J11C709

J11C710

J11C711

J11C712

J11C713

J11C714

J11C715

J11C716

J11C717

J11C718

J11C719

J11C720

J11C721

J11C722

J11C723

J11C724

J11C725

J11C726

J11C727

J11C728

J11C729

J11C730

J11C731

J11C732

J11C733

J11C734

J11C735

J11C736

J11C737

J11C738

J11C739

J11C740

J11C741

J11C742

J11C743

J11C744

J11C745

J11C746

J11C747

J11C748

J11C749

J11C750

J11C751

J11C752

J11C753

J11C754

J11C755

J11C756

J11C757

J11C758

J11C759

J11C760

J11C761

J11C762

J11C763

J11C764

J11C765

J11C766

J11C767

J11C768

J11C769

J11C770

J11C771

J11C772

J11C773

J11C774

J11C775

J11C776

J11C777

J11C778

J11C779

J11C780

J11C781

J11C782

J11C783

J11C784

J11C785

J11C786

J11C787

J11C788

J11C789

J11C790

J11C791

J11C792

J11C793

J11C794

J11C795

J11C796

J11C797

J11C798

J11C799

J11C800

J11C801

J11C802

J11C803

J11C804

J11C805

J11C806

J11C807

J11C808

J11C809

J11C810

J11C811

J11C812

J11C813

J11C814

J11C815

J11C816

J11C817

J11C818

J11C819

J11C820

J11C821

J11C822

J11C823

J11C824

J11C825

J11C826

J11C827

J11C828

J11C829

J11C830

J11C831

J11C832

J11C833

J11C834

J11C835

J11C836

J11C837

J11C838

J11C839

J11C840

J11C841

J11C842

J11C843

J11C844

J11C845

J11C846

J11C847

J11C848

J11C849

J11C850

J11C851

J11C852

J11C853

J11C854

J11C855

J11C856

J11C857

J11C858

J11C859

J11C860

J11C861

J11C862

J11C863

J11C864

J11C865

J11C866

J11C867

J11C868

J11C869

J11C870

J11C871

J11C872

J11C873

J11C874

J11C875

J11C876

J11C877

J11C878

J11C879

J11C880

J11C881

J11C882

J11C883

J11C884

J11C885

J11C886

J11C887

J11C888

J11C889

J11C890

J11C891

J11C892

J11C893

J11C894

J11C895

J11C896

J11C897

J11C898

J11C899

J11C900

J11C901

J11C902

J11C903

J11C904

J11C905

J11C906

J11C907

J11C908

J11C909

J11C910

J11C911

J11C912

J11C913

J11C914

J11C915

J11C916

J11C917

J11C918

J11C919

J11C920

J11C921

J11C922

J11C923

J11C924

J11C925

J11C926

J11C927

J11C928

J11C929

J11C930

J11C931

J11C932

J11C933

J11C934

J11C935

J11C936

J11C937

J11C938

J11C939

J11C940

J11C941

J11C942

J11C943

J11C944

J11C945

J11C946

J11C947

J11C948

J11C949

J11C950

J11C951

J11C952

J11C953

J11C954

J11C955

J11C956

J11C957

J11C958

J11C959

J11C960

J11C961

J11C962

J11C963

J11C964

J11C965

J11C966

J11C967

J11C968

J11C969

J11C970

J11C971

J11C972

J11C973

J11C974

J11C975

J11C976

J11C977

J11C978

J11C979

J11C980

J11C981

J11C982

J11C983

J11C984

J11C985

J11C986

J11C987

J11C988

J11C989

J11C990

J11C991

J11C992

J11C993

J11C994

J11C995

J11C996

J11C997

J11C998

J11C999

J11C1000

J11C1001

J11C1002

J11C1003

J11C1004

J11C1005

J11C1006

J11C1007

J11C1008

J11C1009

J11C1010

J11C1011

J11C1012

J11C1013

J11C1014

J11C1015

J11C1016

J11C1017

J11C1018

J11C1019

J11C1020

J11C1021

J11C1022

J11C1023

J11C1024

J11C1025

J11C1026

J11C1027

J11C1028

J11C1029

J11C1030

J11C1031

J11C1032

J11C1033

J11C1034

J11C1035

J11C1036

J11C1037

J11C1038

J11C1039

J11C1040

J11C1041

J11C1042

J11C1043

J11C1044

J11C1045

J11C1046

J11C1047

J11C1048

J11C1049

J11C1050

J11C1051

J11C1052

J11C1053

J11C1054

J11C1055

J11C1056

J11C1057

J11C1058

J11C1059

J11C1060

J11C1061

J11C1062

J11C1063

J11C1064

J11C1065

J11C1066

J11C1067

J11C1068

J11C1069

J11C1070

J11C1071

J11C1072

J11C1073

J11C1074

J11C1075

J11C1076

J11C1077

J11C1078

J11C1079

J11C1080

J11C1081

J11C1082

J11C1083

J11C1084

J11C1085

J11C1086

J11C1087

J11C1088

J11C1089

J11C1090

J11C1091

J11C1092

J11C1093

J11C1094

J11C1095

J11C1096

J11C1097

J11C1098

J11C1099

J11C1100

J11C1101

J11C1102

J11C1103

J11C1104

J11C1105

J11C1106

J11C1107

J11C1108

J11C1109

J11C1110

J11C1111

J11C1112

J11C1113

J11C1114

J11C1115

J11C1116

J11C1117

J11C1118

J11C1119

J11C1120

J11C1121

J11C1122

J11C1123

J11C1124

J11C1125

J11C1126

J11C1127

J11C1128

J11C1129

J11C1130

J11C1131

J11C1132

J11C1133

J11C1134

J11C1135

J11C1136

J11C1137

J11C1138

J11C1139

J11C1140

J11C1141

J11C1142

J11C1143

J11C1144

J11C1145

J11C1146

J11C1147

J11C1148

J11C1149

J11C1150

J11C1151

J11C1152

J11C1153

J11C1154

J11C1155

J11C1156

J11C1157

J11C1158

J11C1159

J11C1160

J11C1161

J11C1162

J11C1163

J11C1164

J11C1165

J11C1166

J11C1167

J11C1168

J11C1169

J11C1170

J11C1171

J11C1172

J11C1173

J11C1174

J11C1175

J11C1176

J11C1177

J11C1178

J11C1179

J11C1180

J11C1181

J11C1182

J11C1183

J11C1184

J11C1185

J11C1186

J11C1187

J11C1188

J11C1189

J11C1190

J11C1191

J11C1192

J11C1193

J11C1194

J11C1195

J11C1196

J11C1197

J11C1198

J11C1199

J11C1200

J11C1201

J11C1202

J11C1203

J11C1204

J11C1205

J11C1206

J11C1207

J11C1208

J11C1209

J11C1210

J11C1211

J11C1212

J11C1213

J11C1214

J11C1215

J11C1216

J11C1217

J11C1218

J11C1219

J11C1220

J11C1221

J11C1222

J11C1223

J11C1224

J11C1225

J11C1226

J11C1227

J11C1228

J11C1229

J11C1230

J11C1231

J11C1232

J11C1233

J11C1234

J11C1235

J11C1236

J11C1237

J11C1238

J11C1239

J11C1240

J11C1241

J11C1242

J11C1243

J11C1244

J11C1245

J11C1246

J11C1247

J11C1248

J11C1249

J11C1250

J11C1251

J11C1252

J11C1253

J11C1254

J11C1255

J11C1256

J11C1257

J11C1258

J11C1259

J11C1260

J11C1261

J11C1262

J11C1263

J11C1264

J11C1265

J11C1266

J11C1267

J11C1268

J11C1269

J11C1270

J11C1271

J11C1272

J11C1273

J11C1274

J11C1275

J11C1276

J11C1277

J11C1278

J11C1279

J11C1280

J11C1281

J11C1282

J11C1283

J11C1284

J11C1285

J11C1286

J11C1287

J11C1288

J11C1289

J11C1290

J11C1291

J11C1292

J11C1293

J11C1294

J11C1295

J11C1296

J11C1297

J11C1298

J11C1299

J11C1300

J11C1301

J11C1302

J11C1303

J11C1304

J11C1305

J11C1306

J11C1307

J11C1308

J11C1309

J11C1310

J11C1311

J11C1312

J11C1313

J11C1314

J11C1315

J11C1316

J11C1317

J11C1318

J11C1319

J11C1320

J11C1321

J11C1322

J11C1323

J11C1324

J11C1325

J11C1326

J11C1327

J11C1328

J11C1329

J11C1330

J11C1331

J11C1332

J11C1333

J11C1334

J11C1335

J11C1336

J11C1337

J11C1338

J11C1339

J11C1340

J11C1341

J11C1342

J11C1343

J11C1344

J11C1345

J11C1346

J11C1347

J11C1348

J11C1349

J11C1350

J11C1351

J11C1352

J11C1353

J11C1354

J11C1355

J11C1356

J11C1357

J11C1358

J11C1359

J11C1360

J11C1361

J11C1362

J11C1363

J11C1364

J11C1365

J11C1366

J11C1367

J11C1368

J11C1369

J11C1370

J11C1371

J11C1372

J11C1373

J11C1374

J11C1375

J11C1376

J11C1377

J11C1378

J11C1379

J11C1380

J11C1381

J11C1382

J11C1383

J11C1384

J11C1385

J11C1386

J11C1387

J11C1388

J11C1389

J11C1390

J11C1391

J11C1392

J11C1393

J11C1394

J11C1395

J11C1396

J11C1397

J11C1398

J11C1399

J11C1400

J11C1401

J11C1402

J11C1403

J11C1404

J11C1405

J11C1406

J11C1407

J11C1408

J11C1409

J11C1410

J11C1411

J11C1412

J11C1413

J11C1414

J11C1415

J11C1416

J11C1417

J11C1418

J11C1419

J11C1420

J11C1421

J11C1422

J11C1423

J11C1424

J11C1425

J11C1426

J11C1427

J11C1428

J11C1429

J11C1430

J11C1431

J11C1432

J11C1433

J11C1434

J11C1435

J11C1436

J11C1437

J11C1438

J11C1439

J11C1440

J11C1441

J11C1442

J11C1443

J11C1444

J11C1445

J11C1446

J11C1447

J11C1448

J11C1449

J11C1450

J11C1451

J11C1452

J11C1453

J11C1454

J11C1455

J11C1456

J11C1457

J11C1458

J11C1459

J11C1460

J11C1461

J11C1462

J11C1463

J11C1464

J11C1465

J11C1466

J11C1467

J11C1468

J11C1469

J11C1470

J11C1471

J11C1472

J11C1473

J11C1474

J11C1475

J11C1476

J11C1477

J11C1478

J11C1479

J11C1480

J11C1481

J11C1482

J11C1483

J11C1484

J11C1485

J11C1486

J11C1487

J11C1488

J11C1489

J11C1490

J11C1491

J11C1492

J11C1493

J11C1494

J11C1495

J11C1496

J11C1497

J11C1498

J11C1499

J11C1500

J11C1501

J11C1502

J11C1503

J11C1504

J11C1505

J11C1506

J11C1507

J11C1508

J11C1509

J11C1510

J11C1511

J11C1512

J11C1513

J11C1514

J11C1515

J11C1516

J11C1517

J11C1518

J11C1519

J11C1520

J11C1521

J11C1522

J11C1523

J11C1524

J11C1525

J11C1526

J11C1527

J11C1528

J11C1529

J11C1530

J11C1531

J11C1532

J11C1533

J11C1534

J11C1535

J11C1536

J11C1537

J11C1538

J11C1539

J11C1540

J11C1541

J11C1542

J11C1543

J11C1544

J11C1545

J11C1546

J11C1547

J11C1548

J11C1549

J11C1550

J11C1551

J11C1552

J11C1553

J11C1554

J11C1555

J11C1556

J11C1557

J11C1558

J11C1559

J11C1560

J11C1561

J11C1562

J11C1563

J11C1564

J11C1565

J11C1566

J11C1567

J11C1568

J11C1569

J11C1570

J11C1571

J11C1572

J11C1573

J11C1574

J11C1575

J11C1576

J11C1577

J11C1578

J11C1579

J11C1580

J11C1581

J11C1582

J11C1583

J11C1584

J11C1585

J11C1586

J11C1587

J11C1588

J11C1589

J11C1590

J11C1591

J11C1592

J11C1593

J11C1594

J11C1595

J11C1596

J11C1597

J11C1598

J11C1599

J11C1600

J11C1601

J11C1602

J11C1603

J11C1604

J11C1605

J11C1606

J11C1607

J11C1608

J11C1609

J11C1610

J11C1611

J11C1612

J11C1613

J11C1614

J11C1615

J11C1616

J11C1617

J11C1618

J11C1619

J11C1620

J11C1621

J11C1622

J11C1623

J11C1624

J11C1625

J11C1626

J11C1627

J11C1628

J11C1629

J11C1630

J11C1631

J11C1632

J11C1633

J11C1634

J11C1635

J11C1636

J11C1637

J11C1638

J11C1639

J11C1640

J11C1641

J11C1642

J11C1643

J11C1644

J11C1645

J11C1646

J11C1647

J11C1648

J11C1649

J11C1650

J11C1651

J11C1652

J11C1653

J11C1654

J11C1655

J11C1656

J11C1657

J11C1658

J11C1659

J11C1660

J11C1661

J11C1662

J11C1663

J11C1664

J11C1665

J11C1666

J11C1667

J11C1668

J11C1669

J11C1670

J11C1671

J11C1672

J11C1673

J11C1674

J11C1675

J11C1676

J11C1677

J11C1678

J11C1679

J11C1680

J11C1681

J11C1682

J11C1683

J11C1684

J11C1685

J11C1686

J11C1687

J11C1688

J11C1689

J11C1690

J11C1691

J11C1692

J11C1693

J11C1694

J11C1695

J11C1696

J11C1697

J11C1698

J11C1699

J11C1700

J11C1701

J11C1702

J11C1703

J11C1704

J11C1705

J11C1706

J11C1707

J11C1708

J11C1709

J11C1710

J11C1711

J11C1712

J11C1713

J11C1714

J11C1715

J11C1716

J11C1717

J11C1718

J11C1719

J11C1720

J11C1721

J11C1722

J11C1723

J11C1724

J11C1725

J11C1726

J11C1727

J11C1728

J11C1729

J11C1730

J11C1731

J11C1732

J11C1733

J11C1734

J11C1735

J11C1736

J11C1737

J11C1738

J11C1739

J11C1740

J11C1741

J11C1742

J11C1743

J11C1744

J11C1745

J11C1746

J11C1747

J11C1748

J11C1749

J11C1750

J11C1751

J11C1752

J11C1753

J11C1754

J11C1755

J11C1756

J11C1757

J11C1758

J11C1759

J11C1760

J11C1761

J11C1762

J11C1763

J11C1764

J11C1765

J11C1766

J11C1767

J11C1768

J11C1769

J11C1770

J11C1771

J11C1772

J11C1773

J11C1774

J11C1775

J11C1776

J11C1777

J11C1778

J11C1779

J11C1780

J11C1781

J11C1782

J11C1783

J11C1784

J11C1785

J11C1786

J11C1787

J11C1788

J11C1789

J11C1790

J11C1791

J11C1792

J11C1793

J11C1794

J11C1795

J11C1796

J11C1797

J11C1798

J11C1799

J11C1800

J11C1801

J11C1802

J11C1803

J11C1804

J11C1805

J11C1806

J11C1807

J11C1808

J11C1809

J11C1810

J11C1811

J11C1812

J11C1813

J11C1814

J11C1815

J11C1816

J11C1817

J11C1818

J11C1819

J11C1820

J11C1821

J11C1822

J11C1823

J11C1824

J11C1825

J11C1826

J11C1827

J11C1828

J11C1829

J11C1830

J11C1831

J11C1832

J11C1833

J11C1834

J11C1835

J11C1836

J11C1837

J11C1838

J11C1839

J11C1840

J11C1841

J11C1842

J11C1843

J11C1844

J11C1845

J11C1846

J11C1847

J11C1848

J11C1849

J11C1850

J11C1851

J11C1852

J11C1853

J11C1854

J11C1855

J11C1856

J11C1857

J11C1858

J11C1859

J11C1860

J11C1861

J11C1862

J11C1863

J11C1864

J11C1865

J11C1866

J11C1867

J11C1868

J11C1869

J11C1870

J11C1871

J11C1872

J11C1873

J11C1874

J11C1875

J11C1876

J11C1877

J11C1878

J11C1879

J11C1880

J11C1881

J11C1882

J11C1883

J11C1884

J11C1885

J11C1886

J11C1887

J11C1888

J11C1889

J11C1890

J11C1891

J11C1892

J11C1893

J11C1894

J11C1895

J11C1896

J11C1897

J11C1898

J11C1899

J11C1900

J11C1901

J11C1902

J11C1903

J11C1904

J11C1905

J11C1906

J11C1907

J11C1908

J11C1909

J11C1910

J11C1911

J11C1912

J11C1913

J11C1914

J11C1915

J11C1916

J11C1917

J11C1918

J11C1919

J11C1920

J11C1921

J11C1922

J11C1923

J11C1924

J11C1925

J11C1926

J11C1927

J11C1928

J11C1929

J11C1930

J11C1931

J11C1932

J11C1933

J11C1934

J11C1935

J11C1936

J11C1937

J11C1938

J11C1939

J11C1940

J11C1941

J11C1942

J11C1943

J11C1944

J11C1945

J11C1946

J11C1947

J11C1948

J11C1949

J11C1950

J11C1951

J11C1952

J11C1953

J11C1954

J11C1955

J11C1956

J11C1957

J11C1958

J11C1959

J11C1960

J11C1961

J11C1962

J11C1963

J11C1964

J11C1965

J11C1966

J11C1967

J11C1968

J11C1969

J11C1970

J11C1971

J11C1972

J11C1973

J11C1974

J11C1975

J11C1976

J11C1977

J11C1978

J11C1979

J11C1980

J11C1981

J11C1982

J11C1983

J11C1984

J11C1985

J11C1986

J11C1987

J11C1988

J11C1989

J11C1990

J11C1991

J11C1992

J11C1993

J11C1994

J11C1995

J11C1996

J11C1997

J11C1998

J11C1999

J11C2000

J11C2001

J11C2002

J11C2003

J11C2004

J11C2005

J11C2006

J11C2007

J11C2008

J11C2009

J11C2010

J11C2011

J11C2012

J11C2013

J11C2014

J11C2015

J11C2016

J11C2017

J11C2018

J11C2019

J11C2020

J11C2021

J11C2022

J11C2023

J11C2024

J11C2025

J11C2026

J11C2027

J11C2028

J11C2029

J11C2030

J11C2031

J11C2032

J11C2033

J11C2034

J11C2035

J11C2036

J11C2037

J11C2038

J11C2039

J11C2040

J11C2041

J11C2042

J11C2043

J11C2044

J11C2045

J11C2046

J11C2047

J11C2048

J11C2049

J11C2050

J11C2051

J11C2052

J11C2053

J11C2054

J11C2055

J11C2056

J11C2057

J11C2058

J11C2059

J11C2060

J11C2061

J11C2062

J11C2063

J11C2064

J11C2065

J11C2066

J11C2067

J11C2068

J11C2069

J11C2070

J11C2071

J11C2072

J11C2073

J11C2074

J11C2075

J11C2076

J11C2077

J11C2078

J11C2079

J11C2080

J11C2081

J11C2082

J11C2083

J11C2084

J11C2085

J11C2086

J11C2087

J11C2088

J11C2089

J11C2090

J11C2091

J11C2092

J11C2093

J11C2094

J11C2095

J11C2096

J11C2097

J11C2098

J11C2099

J11C2100

J11C2101

J11C2102

J11C2103

J11C2104

J11C2105

J11C2106

J11C2107

J11C2108

J11C2109

J11C2110

J11C2111

J11C2112

J11C2113

J11C2114

J11C2115

J11C2116

J11C2117

J11C2118

J11C2119

J11C2120

J11C2121

J11C2122

J11C2123

J11C2124

J11C2125

J11C2126

J11C2127

J11C2128

J11C2129

J11C2130

J11C2131

J11C2132

J11C2133

J11C2134

J11C2135

J11C2136

J11C2137

J11C2138

J11C2139

J11C2140

J11C2141

J11C2142

J11C2143

J11C2144

J11C2145

J11C2146

J11C2147

J11C2148

J11C2149

J11C2150

J11C2151

J11C2152

J11C2153

J11C2154

J11C2155

J11C2156

J11C2157

J11C2158

J11C2159

J11C2160

J11C2161

J11C2162

J11C2163

J11C2164

J11C2165

J11C2166

J11C2167

J11C2168

J11C2169

J11C2170

J11C2171

J11C2172

J11C2173

J11C2174

J11C2175

J11C2176

J11C2177

J11C2178

J11C2179

J11C2180

J11C2181

J11C2182

J11C2183

J11C2184

J11C2185

J11C2186

J11C2187

J11C2188

J11C2189

J11C2190

J11C2191

J11C2192

J11C2193

J11C2194

J11C2195

J11C2196

J11C2197

J11C2198

J11C2199

J11C2200

J11C2201

J11C2202

J11C2203

J11C2204

J11C2205

J11C2206

J11C2207

J11C2208

J11C2209

J11C2210

J11C2211

J11C2212

J11C2213

J11C2214

J11C2215

J11C2216

J11C2217

J11C2218

J11C2219

J11C2220

J11C2221

J11C2222

J11C2223

J11C2224

J11C2225

J11C2226

J11C2227

J11C2228

J11C2229

J11C2230

J11C2231

J11C2232

J11C2233

J11C2234

J11C2235

J11C2236

J11C2237

J11C2238

J11C2239

J11C2240

J11C2241

J11C2242

J11C2243

J11C2244

J11C2245

J11C2246

J11C2247

J11C2248

J11C2249

J11C2250

J11C2251

J11C2252

J11C2253

J11C2254

J11C2255

J11C2256

J11C2257

J11C2258

J11C2259

J11C2260

J11C2261

J11C2262

J11C2263

J11C2264

J11C2265

J11C2266

J11C2267

J11C2268

J11C2269

J11C2270

J11C2271

J11C2272

J11C2273

J11C2274

J11C2275

J11C2276

J11C2277

J11C2278

J11C2279

J11C2280

J11C2281

J11C2282

J11C2283

J11C2284

J11C2285

J11C2286

J11C2287

J11C2288

J11C2289

J11C2290

J11C2291

J11C2292

J11C2293

J11C2294

J11C2295

J11C2296

J11C2297

J11C2298

J11C2299

J11C2300

J11C2301

J11C2302

J11C2303

J11C2304

J11C2305

J11C2306

J11C2307

J11C2308

J11C2309

J11C2310

J11C2311

J11C2312

J11C2313

J11C2314

J11C2315

J11C2316

J11C2317

J11C2318

J11C2319

J11C2320

J11C2321

J11C2322

J11C2323

J11C2324

J11C2325

J11C2326

J11C2327

J11C2328

J11C2329

J11C2330

J11C2331

J11C2332

J11C2333

J11C2334

J11C2335

J11C2336

J11C2337

J11C2338

J11C2339

J11C2340

J11C2341

J11C2342

J11C2343

J11C2344

J11C2345

J11C2346

J11C2347

J11C2348

J11C2349

J11C2350

J11C2351

J11C2352

J11C2353

J11C2354

J11C2355

J11C2356

J11C2357

J11C2358

J11C2359

J11C2360

J11C2361

J11C2362

J11C2363

J11C2364

J11C2365

J11C2366

J11C2367

J11C2368

J11C2369

J11C2370

J11C2371

J11C2372

J11C2373

J11C2374

J11C2375

J11C2376

J11C2377

J11C2378

J11C2379

J11C2380

J11C2381

J11C2382

J11C2383

J11C2384

J11C2385

J11C2386

J11C2387

J11C2388

J11C2389

J11C2390

J11C2391

J11C2392

J11C2393

J11C2394

J11C2395

J11C2396

J11C2397

J11C2398

J11C2399

J11C2400

J11C2401

J11C2402

J11C2403

J11C2404

J11C2405

J11C2406

J11C2407

J11C2408

J11C2409

J11C2410

J11C2411

J11C2412

J11C2413

J11C2414

J11C2415

J11C2416

J11C2417

J11C2418

J11C2419

J11C2420

J11C2421

J11C2422

J11C2423

J11C2424

J11C2425

J11C2426

J11C2427

J11C2428

J11C2429

J11C2430

J11C2431

J11C2432

J11C2433

J11C2434

J11C2435

J11C2436

J11C2437

J11C2438

J11C2439

J11C2440

J11C2441

J11C2442

J11C2443

J11C2444

J11C2445

J11C2446

J11C2447

J11C2448

J11C2449

J11C2450

J11C2451

J11C2452

J11C2453

J11C2454

J11C2455

J11C2456

J11C2457

J11C2458

J11C2459

J11C2460

J11C2461

J11C2462

J11C2463

J11C2464

J11C2465

J11C2466

J11C2467

J11C2468

J11C2469

J11C2470

J11C2471

J11C2472

J11C2473

J11C2474

J11C2475

J11C2476

J11C2477

J11C2478

J11C2479

J11C2480

J11C2481

J11C2482

J11C2483

J11C2484

J11C2485

J11C2486

J11C2487

J11C2488

J11C2489

J11C2490

J11C2491

J11C2492

J11C2493

J11C2494

J11C2495

J11C2496

J11C2497

J11C2498

J11C2499

J11C2500

J11C2501

J11C2502

J11C2503

J11C2504

J11C2505

J11C2506

J11C2507

J11C2508

J11C2509

J11C2510

J11C2511

J11C2512

J11C2513

J11C2514

J11C2515

J11C2516

J11C2517

J11C2518

J11C2519

J11C2520

J11C2521

J11C2522

J11C2523

J11C2524

J11C2525

J11C2526

J11C2527

J11C2528

J11C2529

J11C2530

J11C2531

J11C2532

J11C2533

J11C2534

J11C2535

J11C2536

J11C2537

J11C2538

J11C2539

J11C2540

J11C2541

J11C2542

J11C2543

J11C2544

J11C2545

J11C2546

J11C2547

J11C2548

J11C2549

J11C2550

J11C2551

J11C2552

J11C2553

J11C2554

J11C2555

J11C2556

J11C2557

J11C2558

J11C2559

J11C2560

J11C2561

J11C2562

J11C2563

J11C2564

J11C2565

J11C2566

J11C2567

J11C2568

J11C2569

J11C2570

J11C2571

J11C2572

J11C2573

J11C2574

J11C2575

J11C2576

J11C2577

J11C2578

J11C2579

J11C2580

J11C2581

J11C2582

J11C2583

J11C2584

J11C2585

J11C2586

J11C2587

J11C2588

J11C2589

J11C2590

J11C2591

J11C2592

J11C2593

J11C2594

J11C2595

J11C2596

J11C2597

J11C2598

J11C2599

J11C2600

J11C2601

J11C2602

J11C2603

J11C2604

J11C2605

J11C2606

J11C2607

J11C2608

J11C2609

J11C2610

J11C2611

J11C2612

J11C2613

J11C2614

J11C2615

J11C2616

J11C2617

J11C2618

J11C2619

J11C2620

J11C2621

J11C2622

J11C2623

J11C2624

J11C2625

J11C2626

J11C2627

J11C2628

J11C2629

J11C2630

J11C2631

J11C2632

J11C2633

J11C2634

J11C2635

J11C2636

J11C2637

J11C2638

J11C2639

J11C2640

J11C2641

J11C2642

J11C2643

J11C2644

J11C2645

J11C2646

J11C2647

J11C2648

J11C2649

J11C2650

J11C2651

J11C2652

J11C2653

J11C2654

J11C2655

J11C2656

J11C2657

J11C2658

J11C2659

J11C2660

J11C2661

J11C2662

J11C2663

J11C2664

J11C2665

J11C2666

J11C2667

J11C2668

J11C2669

J11C2670

J11C2671

J11C2672

J11C2673

J11C2674

J11C2675

J11C2676

J11C2677

J11C2678

J11C2679

J11C2680

J11C2681

J11C2682

J11C2683

J11C2684

J11C2685

J11C2686

J11C2687

J11C2688

J11C2689

J11C2690

J11C2691

J11C2692

J11C2693

J11C2694

J11C2695

J11C2696

J11C2697

J11C2698

J11C2699

J11C2700

J11C2701

J11C2702

J11C2703

J11C2704

J11C2705

J11C2706

J11C2707

J11C2708

J11C2709

J11C2710

J11C2711

J11C2712

J11C2713

J11C2714

J11C2715

J11C2716

J11C2717

J11C2718

J11C2719

J11C2720

J11C2721

J11C2722

J11C2723

J11C2724

J11C2725

J11C2726

J11C2727

J11C2728

J11C2729

J11C2730

J11C2731

J11C2732

J11C2733

J11C2734

J11C2735

J11C2736

J11C2737

J11C2738

J11C2739

J11C2740

J11C2741

J11C2742

J11C2743

J11C2744

J11C2745

J11C2746

J11C2747

J11C2748

J11C2749

J11C2750

J11C2751

J11C2752

J11C2753

J11C2754

J11C2755

J11C2756

J11C2757

J11C2758

J11C2759

J11C2760

J11C2761

J11C2762

J11C2763

J11C2764

J11C2765

J11C2766

J11C2767

J11C2768

J11C2769

J11C2770

J11C2771

J11C2772

J11C2773

J11C2774

J11C2775

J11C2776

J11C2777

J11C2778

J11C2779

J11C2780

J11C2781

J11C2782

J11C2783

J11C2784

J11C2785

J11C2786

J11C2787

J11C2788

J11C2789

J11C2790

J11C2791

J11C2792

J11C2793

J11C2794

J11C2795

J11C2796

J11C2797

J11C2798

J11C2799

J11C2800

J11C2801

J11C2802

J11C2803

J11C2804

J11C2805

J11C2806

J11C2807

J11C2808

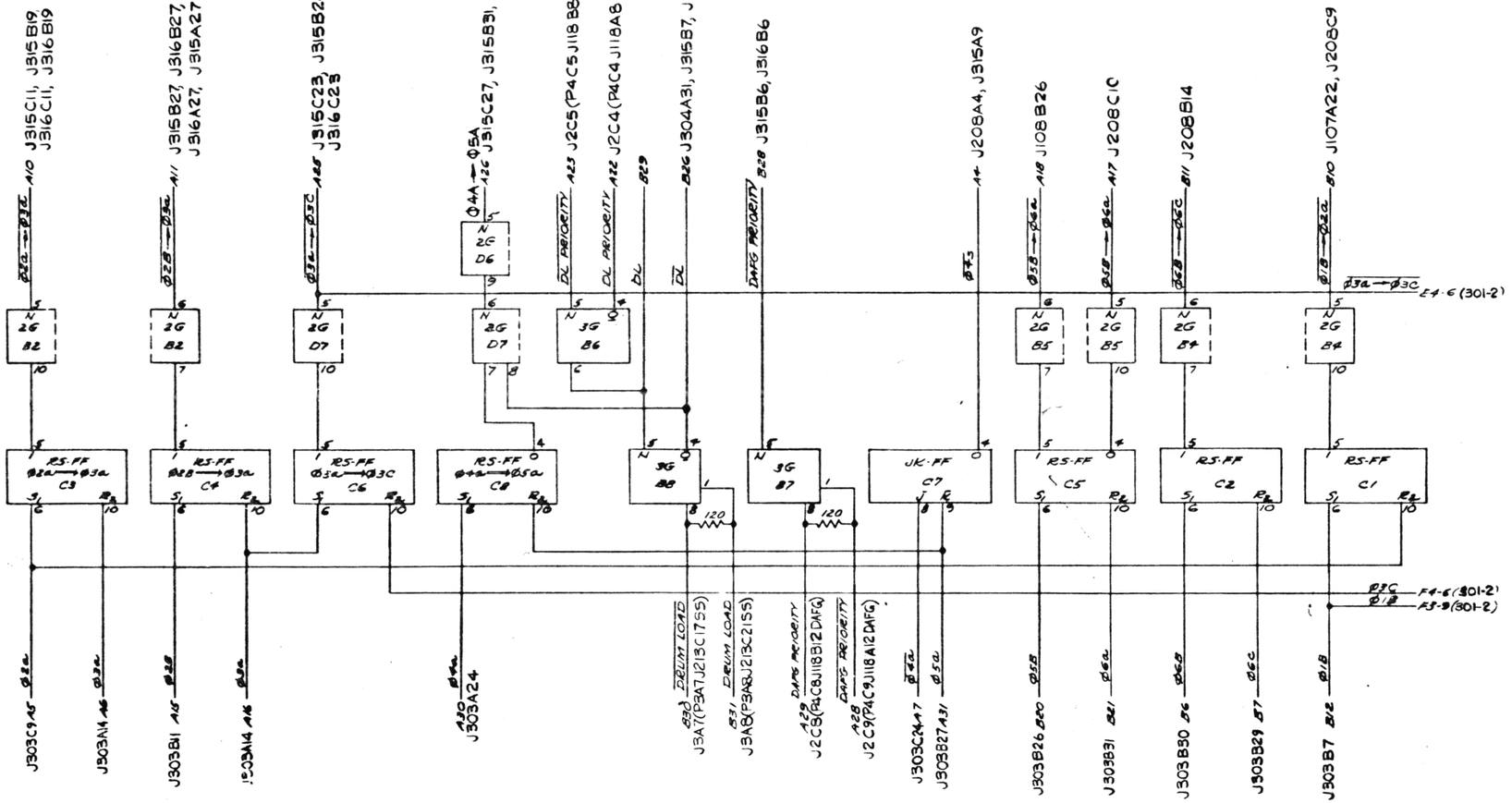
J11C2809

J11C2810

J11C2811

J11

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E A [B688040E]

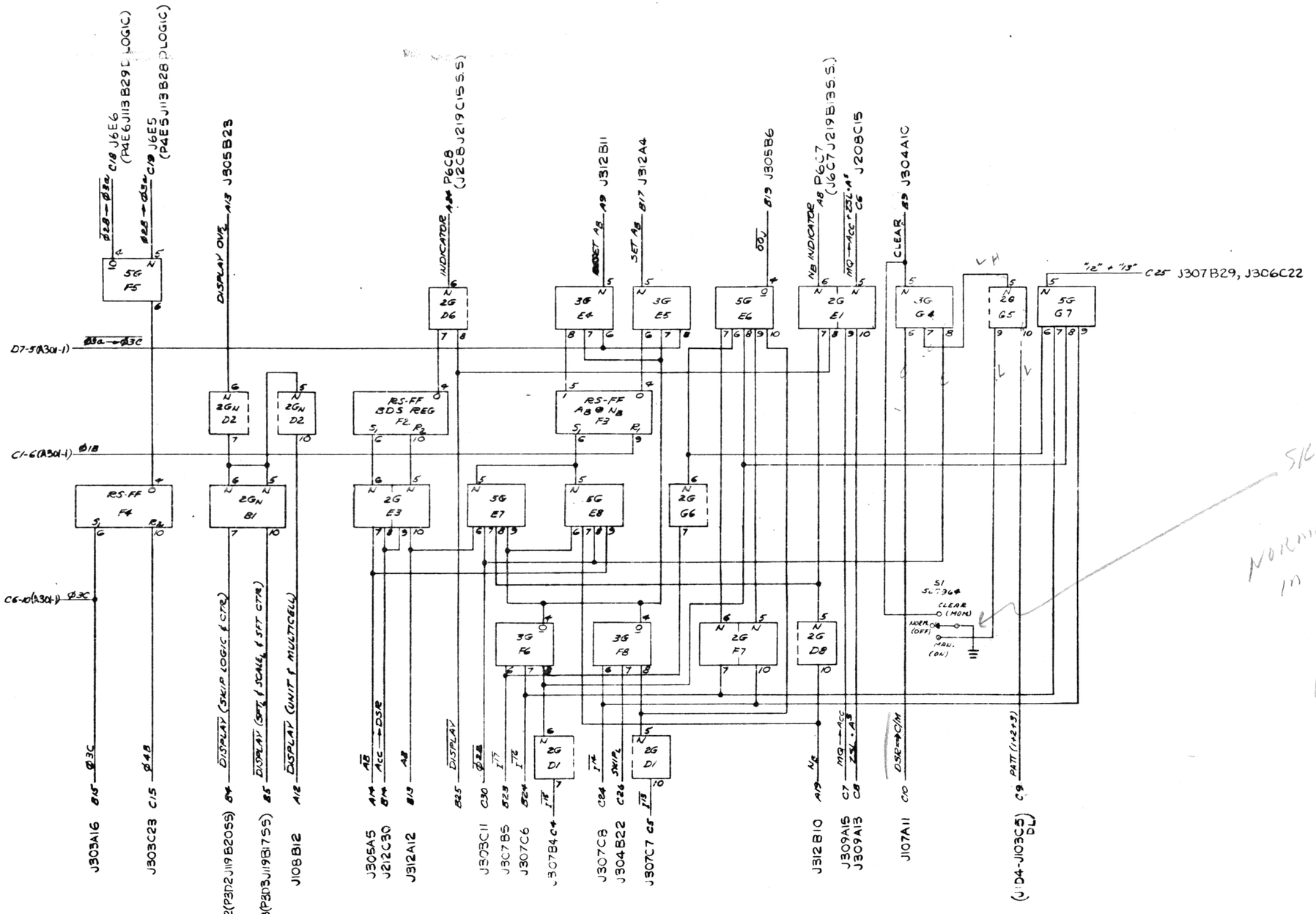
A301-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR 3/25/67 DR CHK 4-7-67 DESGN CHK PROJ. APPD	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM — ARITHMETIC UNIT AUXILIARY LOGIC
		SIZE D · CODE IDENT NO 36378 · DWG NO B688040E · SCALE NONE · SHEET 78

6-1314	A/F370-T9
NEXT ASSY	USED ON

FORM 160 P 1474-40

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



SKIP RECORD END OF BAND
NORMAL POSITION SKIPS IN PART 1, 2, 3, DOES NOT SKIP IN MANUAL
MANUAL POSITION SKIPS IN BOTH MANUAL & PATT 1, 2, 3.

B688040E A

A301-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR [illegible] 9/25/67
MFR. TO LINK STDS.	DR CHK [illegible]
MATL	DESGN CHK [illegible]
FINISH	MFG. CHK
	PROJ. APPD [illegible]

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

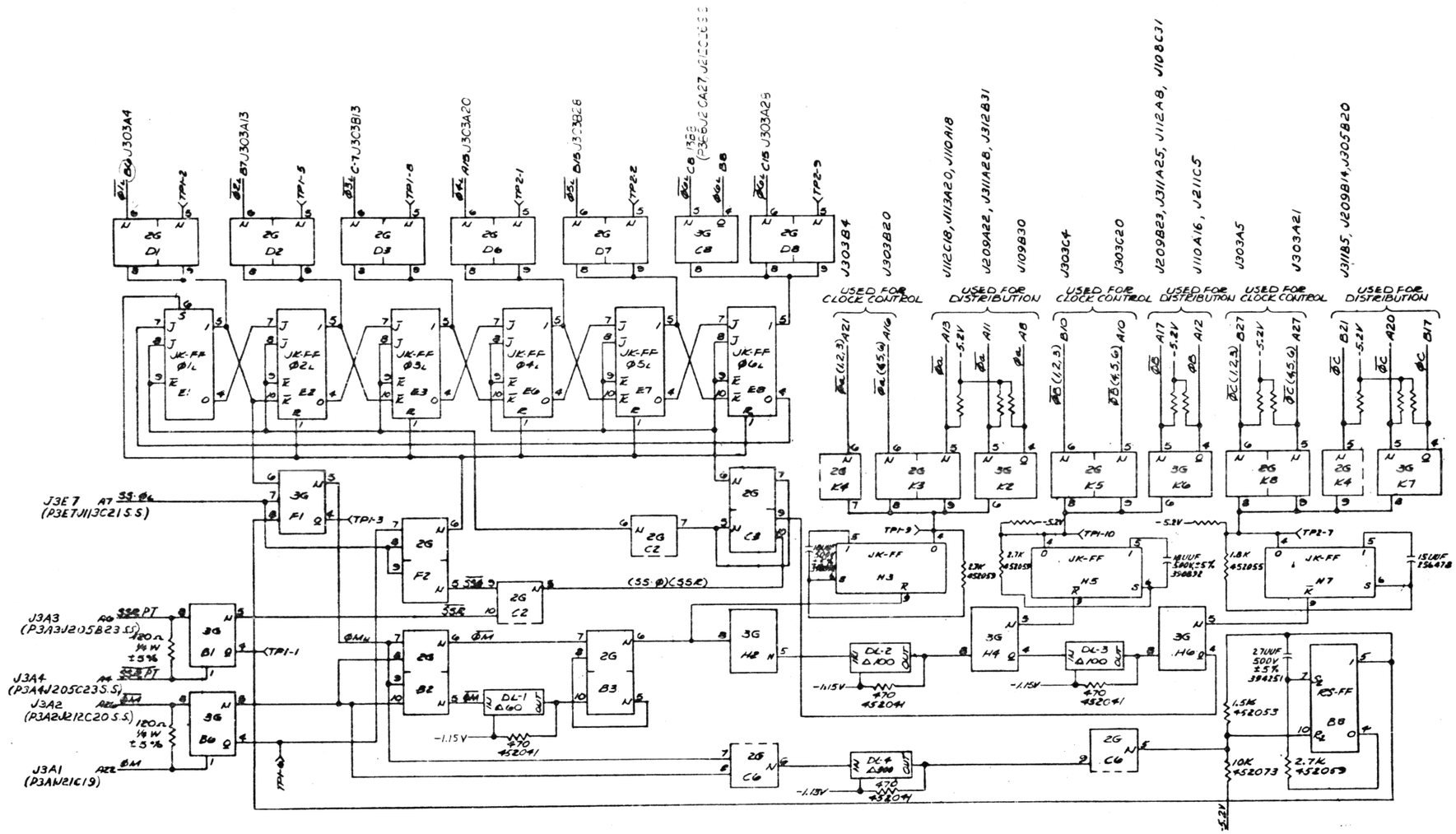
LOGIC DIAGRAM- ARITHMETIC UNIT AUXILIARY LOGIC

SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE NONE | SHEET 79

687314	A/E370-T9
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

A302

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	W Luchos	2-26-62
DR CHK	J Hennessy	4-9-62
DESGN CHK	J Mills	4-9-62
MFG. CHK		
PROJ. APPD	W Chandler	4-10-62

LINK GROUP, SYSTEMS DIVISION, GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM
CLOCK PHASE
GENERATOR

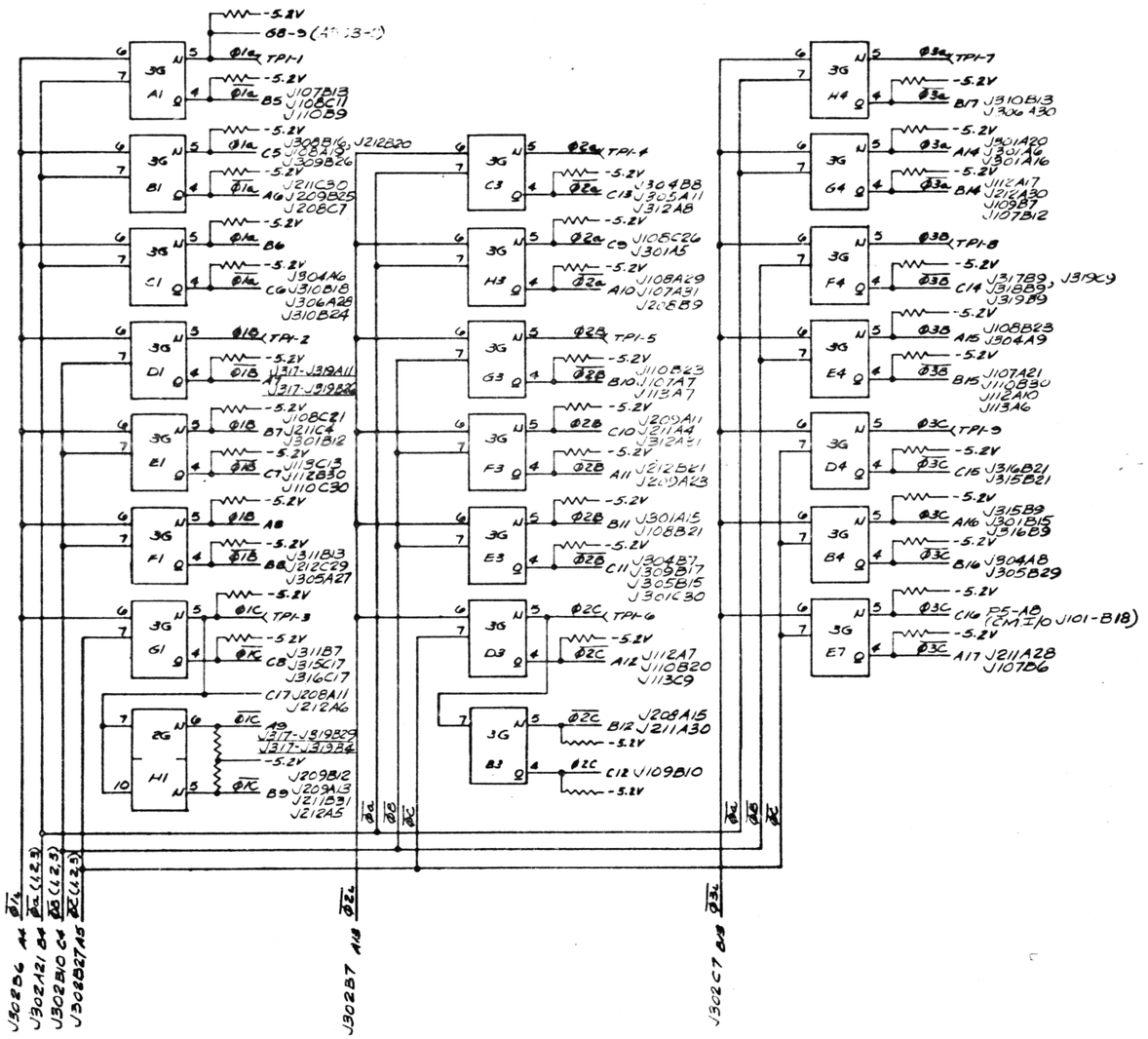
SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE | SHEET 80

NEXT ASSY	USED ON

FORM NO. F 1474-40

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B6880406E

[B6880406E]

A303-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR [illegible] 12-6-67
MFR. TO LINK STDS.	DR CHK [illegible] 12-6-67
MATL	DESGN CHK [illegible] 12-6-67
FINISH	MFG. CHK
	PROJ. APPD [illegible] 12/6/67

LINK GROUP, SYSTEMS DIVISION
LINK GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM-
CLOCK GATING

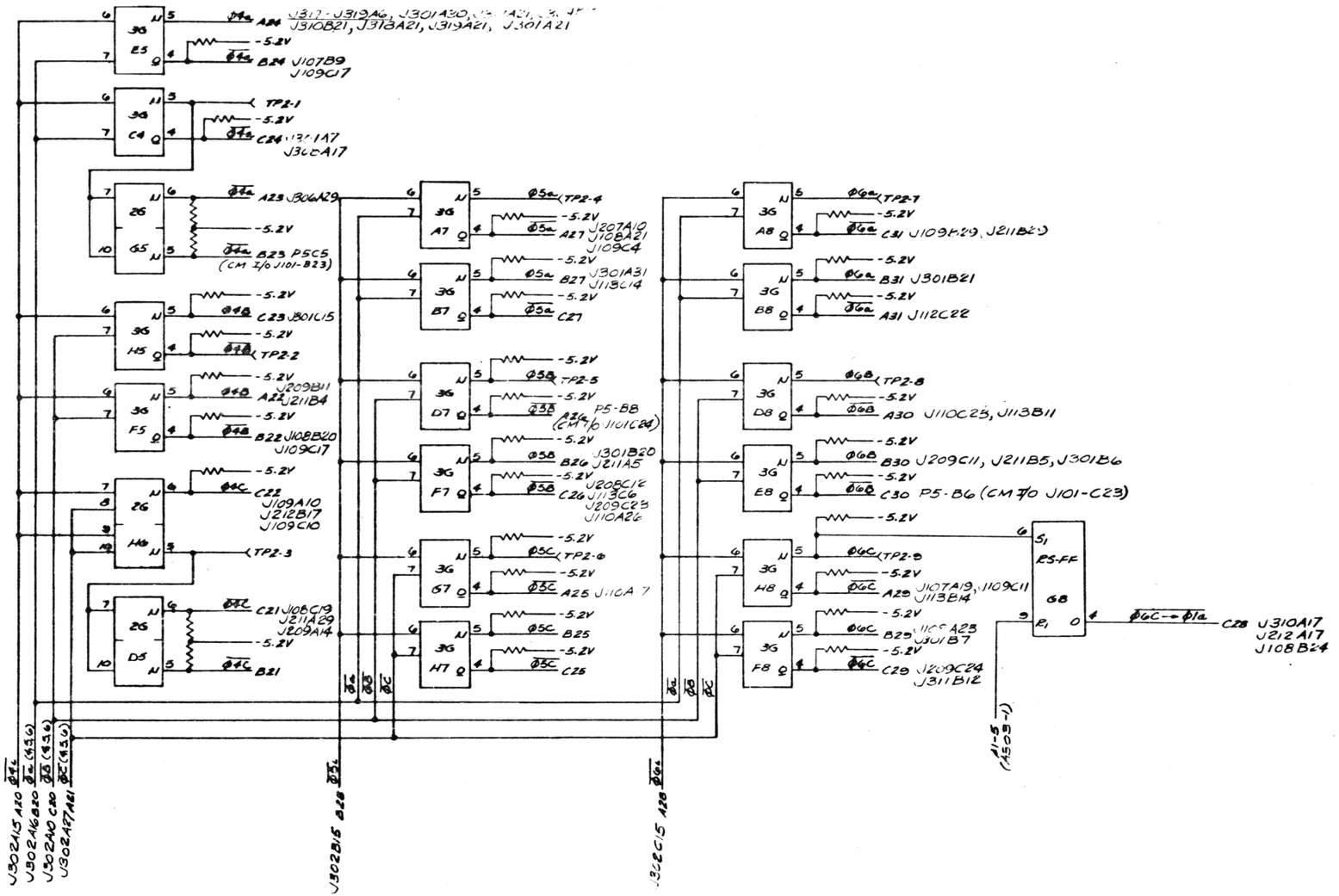
SIZE	CODE IDENT NO	DWG. NO
D	36378	B6880406E

SCALE | SHEET 81

687216	XIFYU-79
NEXT ASSY	USED ON

FORM NO F-1474-09

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

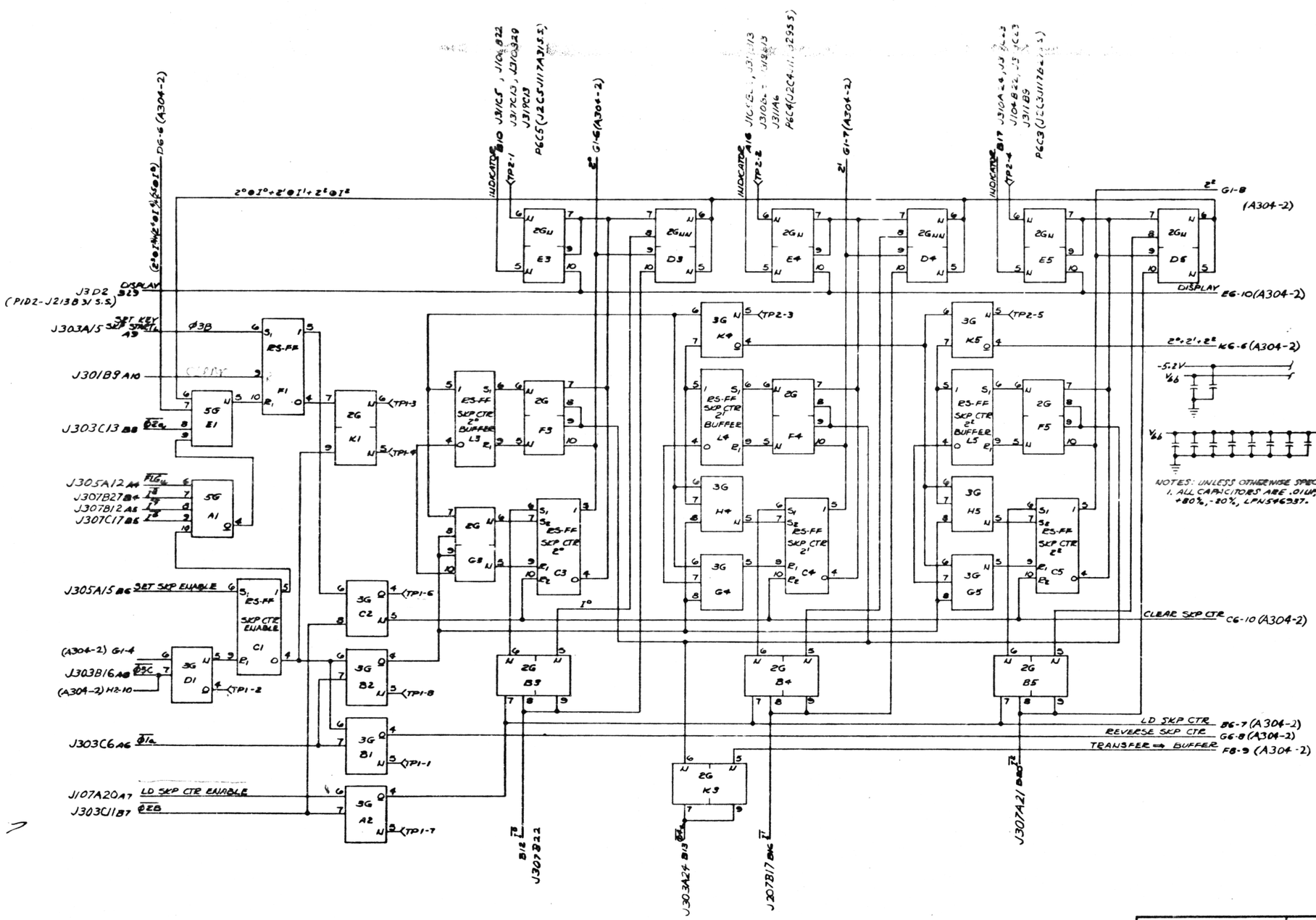
A303-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR — ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR [illegible] 3-6-67 DR CHK [illegible] 4-9-67 DESIGN CHK [illegible] 11-8-66 MFG. CHK PROJ. APPD [illegible] 11/10/66	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM CLOCK GATING
		SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E · SCALE NONE · SHEET 82

NEXT ASSY	USED ON

FORM NO. F 1674-49

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A304-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2-PLACE ± .03 ANGULAR ± 3-PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR 12-2-67 DR CHK 12-9-67 DESGN CHK 12-16-67 MFG. CHK PROJ. APPD 12/16/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		[illegible] DIAGRAM- [illegible] COUNTER
687358 NEXT ASSY	USED ON	SIZE D · CODE IDENT NO 36378 · DWG. NO B688040E · SCALE NONE · SHEET 83

FORM NO. F 1474-49

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

(A304-1) D3-9 2^0
D4-9 2^1
D5-9 2^2
D1-6(A304-1) $2^0+2^1+2^2+2^3+2^4+2^5$
(A304-1) E1-7 $(2^3 \oplus I^3)+(2^4 \oplus I^4)+(2^5 \oplus I^5)$
(A304-1) E5-K DISPLAY
(A304-1) K5-4 $2^0, 2^1, 2^2$
(A304-1) C5-N CLEAR SKP CTR
(A304-1) B1-4 REVERSE SKP CTR
(A304-1) B5-7 LD SKP CTR
INDICATOR A22 J1163A22 J317A24 J310A20 J319C24 J311A13 Pg62(J3B2E7)
INDICATOR B26 J317C21 J116B22 J319C21 Pg61(J2B6E5)
INDICATOR A30 J317C21 J116B22 J319C21 Pg38(J3B5E6)
TP2-6 TP2-8 TP2-10 TP1-5 TP1-10 TP2-7 TP2-9
3G G1 3G H1 3G G2 2G H2 RS-FF SKIP S_1 R_1 $H3_0$
2G E6 2G F6 2G G6 2G H6 ES-FF 2^3 BUFFER L6 ES-FF SKP CTR 2^3 C6
2G E7 2G F7 3G K7 3G G7 3G H7 ES-FF 2^4 BUFFER L7 ES-FF SKP CTR 2^4 C7
2G E8 2G F8 3G G8 3G H8 ES-FF 2^5 BUFFER L8 ES-FF SKP CTR 2^5 C8
2G D8 3G A8 3G A7 2G D6 2G D7 2G D8
120Ω 1/4W ±5% 452027
$\overline{\text{SKP}}$ D1-7 (A304-1)
3G A3 SKP B11 Pg61(J3J2E13J117C105.S.S)
3G A4 SKP B15 J306C6 J312B8
3G A5 SKP B19 1
3G A6 SKP B18 J307C29 J308A6 J309B21
3G A6 SKP B23 1
3G A6 SKP B22 J301C26 J305B21
2G E2 (TP1-5 J311B22, J201B22 J317A27, J113A8 J319A27
INDICATOR B9 Pg89(J3B9J117C15.S.S.)
DELAY LOAD A31 J307A26
PRIORITY LOGIC OUT B28 J3E1(P3E1F4-Y.S.S.
PRIORITY LOGIC OUT A28 J3E2(P3E2F4-4).S.S.
TRANSFER→BUFFER (A304-1) K3-5
A23 J307A19
B27 J307C18
B31 J307A30

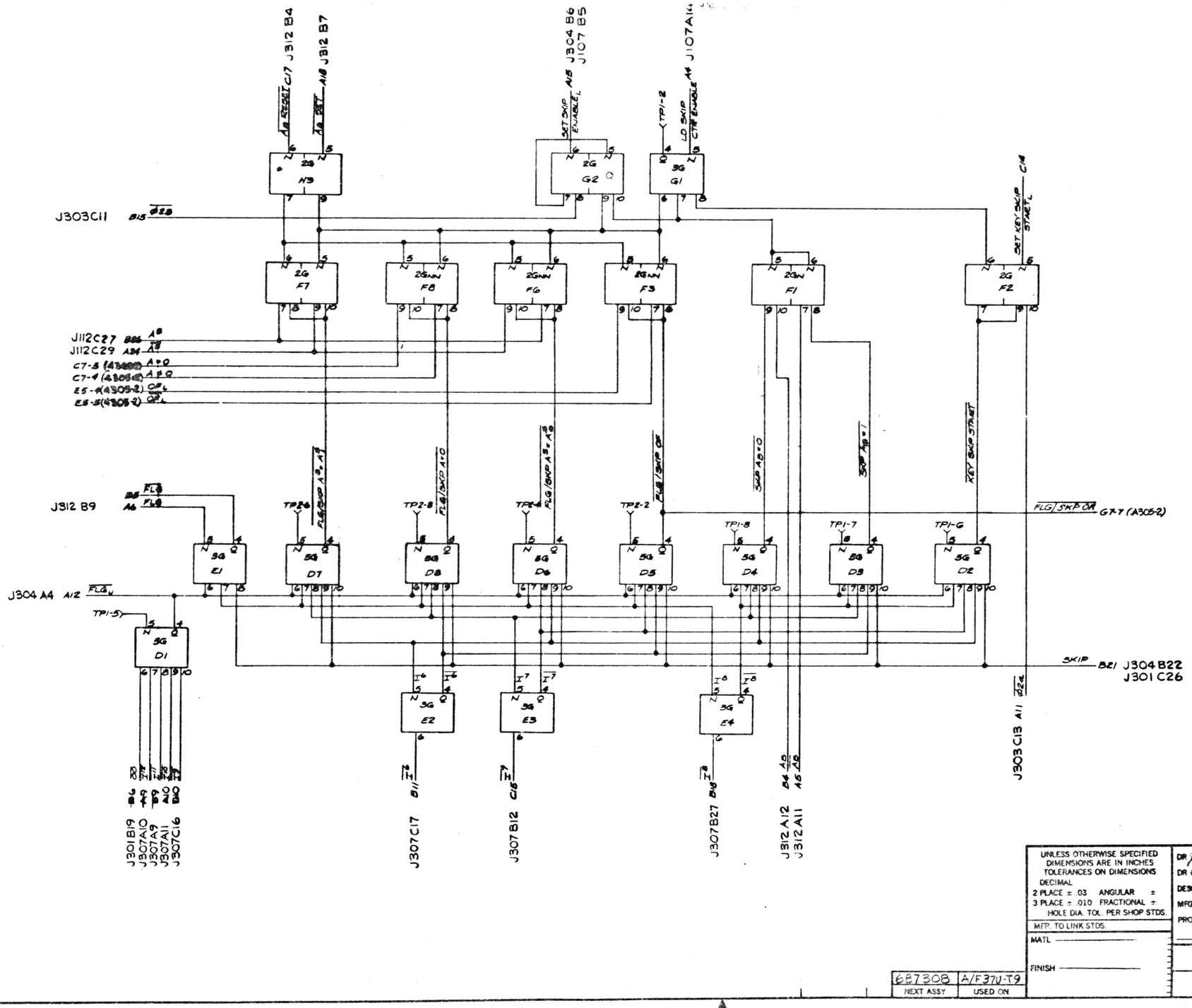
B688040E
[B688040E]

A304-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR L. Dawson 10-6-67 DR CHK J. Hayes 10-9-67 DESGN CHK [illegible] 10-6-67 MFG. CHK PROJ. APPD [illegible] 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK	
NEXT ASSY	USED ON	LOGIC DIAGRAM- SKIP COUNTER	
		SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E	
		SCALE NONE	SHEET 84

FORM NO. F-1474-48

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E
A

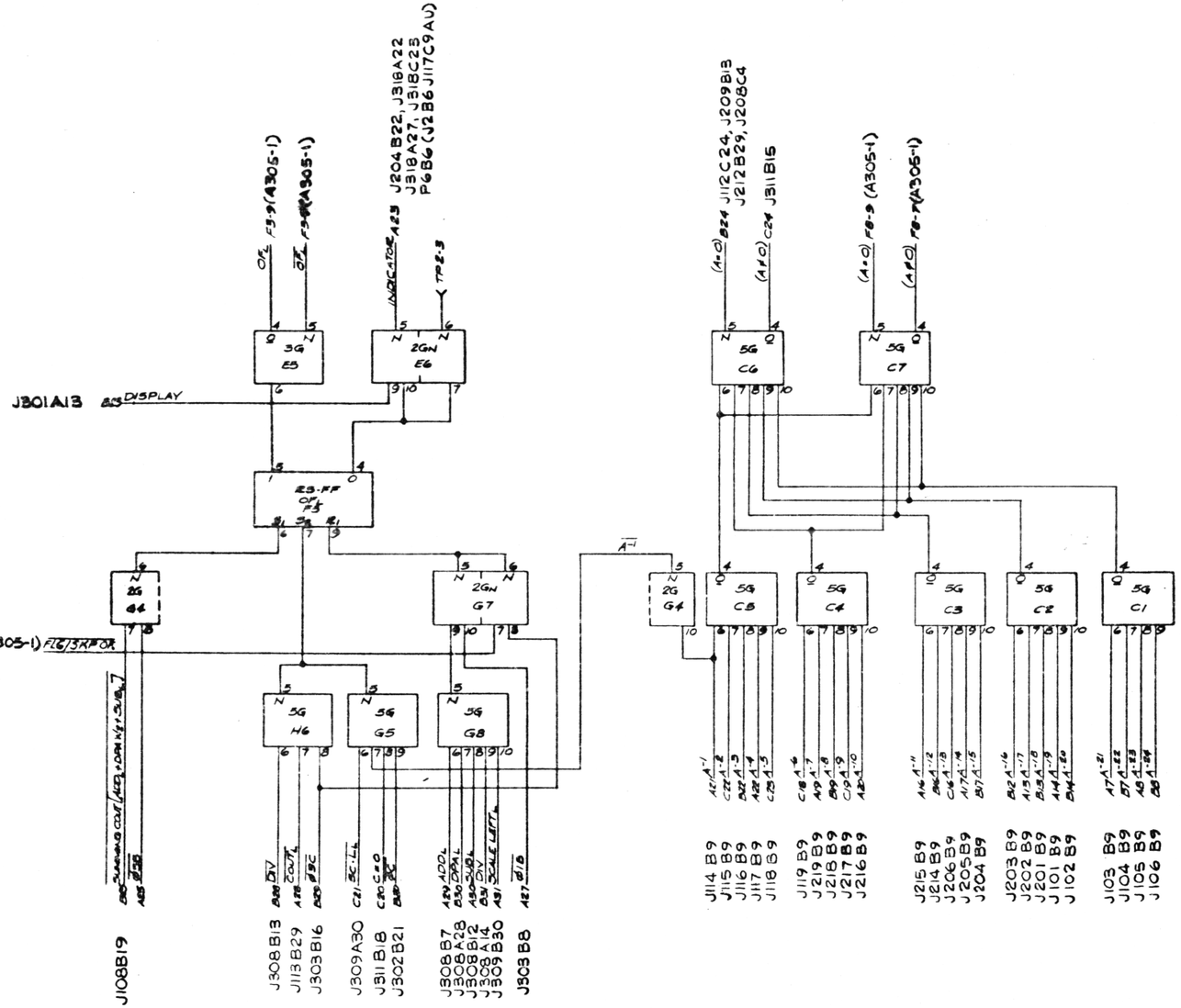
[B688040E]

A305-1

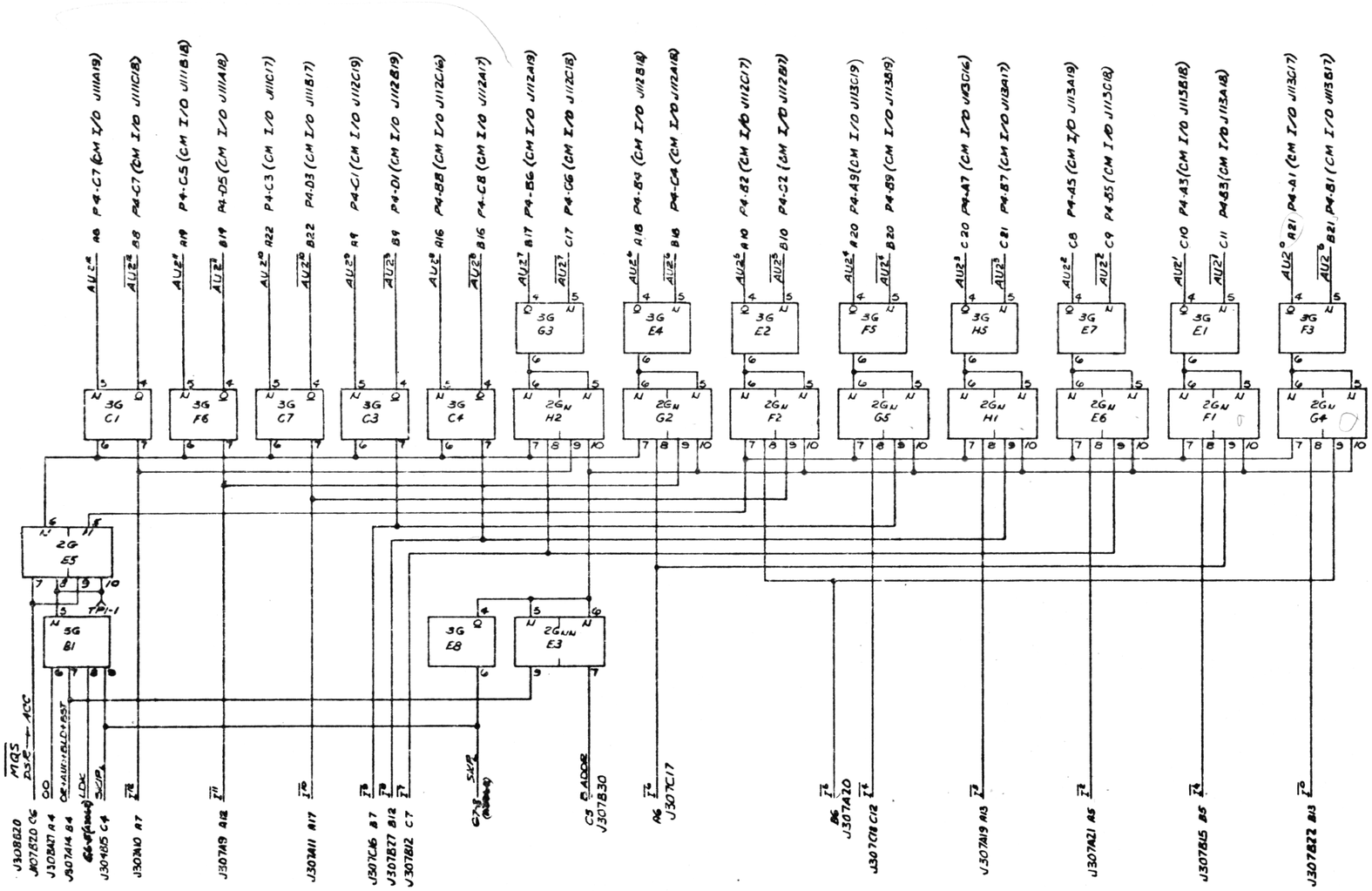
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL —— FINISH ——	DR Maurice C. Brown 9/13/67 DR CHK J. Heaney 10-9-67 DESIGN CHK [illegible] 10-9-67 MFG. CHK —— PROJ. APPD [illegible] 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM – FLAG SKIP
687308 NEXT ASSY | A/F37U-T9 USED ON		SIZE D | CODE IDENT NO. 36378 | DWG. NO. B688040E
		SCALE NONE | SHEET 85

FORM 110 F-1674-40

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED


J204 B22, J318A22
J318A27, J318C25
P686 (J286 J117C9 AU)
J112 C24, J209 B13
J212 B29, J208 C4
J311 B15
J1 B9
J2 B9
J3 B9
J4 B9
J5 B9
J6 B9
J7 B9
J8 B9
J9 B9
J10 B9
J11 B9
J12 B9
J13 B9
J14 B9
J15 B9
J16 B9
J17 B9
J18 B9
J19 B9
J20 B9
J21 B9
J22 B9
J23 B9
J24 B9
J25 B9
J26 B9
J27 B9
J28 B9
J29 B9
J30 B9
J31 B9
J32 B9
J33 B9
J34 B9
J35 B9
J36 B9
J37 B9
J38 B9
J39 B9
J40 B9
J41 B9
J42 B9
J43 B9
J44 B9
J45 B9
J46 B9
J47 B9
J48 B9
J49 B9
J50 B9
J51 B9
J52 B9
J53 B9
J54 B9
J55 B9
J56 B9
J57 B9
J58 B9
J59 B9
J60 B9
J61 B9
J62 B9
J63 B9
J64 B9
J65 B9
J66 B9
J67 B9
J68 B9
J69 B9
J70 B9
J71 B9
J72 B9
J73 B9
J74 B9
J75 B9
J76 B9
J77 B9
J78 B9
J79 B9
J80 B9
J81 B9
J82 B9
J83 B9
J84 B9
J85 B9
J86 B9
J87 B9
J88 B9
J89 B9
J90 B9
J91 B9
J92 B9
J93 B9
J94 B9
J95 B9
J96 B9
J97 B9
J98 B9
J99 B9
J100 B9
J101 B9
J102 B9
J103 B9
J104 B9
J105 B9
J106 B9
J107 B9
J108 B9
J109 B9
J110 B9
J111 B9
J112 B9
J113 B9
J114 B9
J115 B9
J116 B9
J117 B9
J118 B9
J119 B9
J120 B9
J121 B9
J122 B9
J123 B9
J124 B9
J125 B9
J126 B9
J127 B9
J128 B9
J129 B9
J130 B9
J131 B9
J132 B9
J133 B9
J134 B9
J135 B9
J136 B9
J137 B9
J138 B9
J139 B9
J140 B9
J141 B9
J142 B9
J143 B9
J144 B9
J145 B9
J146 B9
J147 B9
J148 B9
J149 B9
J150 B9
J151 B9
J152 B9
J153 B9
J154 B9
J155 B9
J156 B9
J157 B9
J158 B9
J159 B9
J160 B9
J161 B9
J162 B9
J163 B9
J164 B9
J165 B9
J166 B9
J167 B9
J168 B9
J169 B9
J170 B9
J171 B9
J172 B9
J173 B9
J174 B9
J175 B9
J176 B9
J177 B9
J178 B9
J179 B9
J180 B9
J181 B9
J182 B9
J183 B9
J184 B9
J185 B9
J186 B9
J187 B9
J188 B9
J189 B9
J190 B9
J191 B9
J192 B9
J193 B9
J194 B9
J195 B9
J196 B9
J197 B9
J198 B9
J199 B9
J200 B9
J201 B9
J202 B9
J203 B9
J204 B9
J205 B9
J206 B9
J207 B9
J208 B9
J209 B9
J210 B9
J211 B9
J212 B9
J213 B9
J214 B9
J215 B9
J216 B9
J217 B9
J218 B9
J219 B9
J220 B9
J221 B9
J222 B9
J223 B9
J224 B9
J225 B9
J226 B9
J227 B9
J228 B9
J229 B9
J230 B9
J231 B9
J232 B9
J233 B9
J234 B9
J235 B9
J236 B9
J237 B9
J238 B9
J239 B9
J240 B9
J241 B9
J242 B9
J243 B9
J244 B9
J245 B9
J246 B9
J247 B9
J248 B9
J249 B9
J250 B9
J251 B9
J252 B9
J253 B9
J254 B9
J255 B9
J256 B9
J257 B9
J258 B9
J259 B9
J260 B9
J261 B9
J262 B9
J263 B9
J264 B9
J265 B9
J266 B9
J267 B9
J268 B9
J269 B9
J270 B9
J271 B9
J272 B9
J273 B9
J274 B9
J275 B9
J276 B9
J277 B9
J278 B9
J279 B9
J280 B9
J281 B9
J282 B9
J283 B9
J284 B9
J285 B9
J286 B9
J287 B9
J288 B9
J289 B9
J290 B9
J291 B9
J292 B9
J293 B9
J294 B9
J295 B9
J296 B9
J297 B9
J298 B9
J299 B9
J300 B9
J301 B9
J302 B9
J303 B9
J304 B9
J305 B9
J306 B9
J307 B9
J308 B9
J309 B9
J310 B9
J311 B9
J312 B9
J313 B9
J314 B9
J315 B9
J316 B9
J317 B9
J318 B9
J319 B9
J320 B9
J321 B9
J322 B9
J323 B9
J324 B9
J325 B9
J326 B9
J327 B9
J328 B9
J329 B9
J330 B9
J331 B9
J332 B9
J333 B9
J334 B9
J335 B9
J336 B9
J337 B9
J338 B9
J339 B9
J340 B9
J341 B9
J342 B9
J343 B9
J344 B9
J345 B9
J346 B9
J347 B9
J348 B9
J349 B9
J350 B9
J351 B9
J352 B9
J353 B9
J354 B9
J355 B9
J356 B9
J357 B9
J358 B9
J359 B9
J360 B9
J361 B9
J362 B9
J363 B9
J364 B9
J365 B9
J366 B9
J367 B9
J368 B9
J369 B9
J370 B9
J371 B9
J372 B9
J373 B9
J374 B9
J375 B9
J376 B9
J377 B9
J378 B9
J379 B9
J380 B9
J381 B9
J382 B9
J383 B9
J384 B9
J385 B9
J386 B9
J387 B9
J388 B9
J389 B9
J390 B9
J391 B9
J392 B9
J393 B9
J394 B9
J395 B9
J396 B9
J397 B9
J398 B9
J399 B9
J400 B9
J401 B9
J402 B9
J403 B9
J404 B9
J405 B9
J406 B9
J407 B9
J408 B9
J409 B9
J410 B9
J411 B9
J412 B9
J413 B9
J414 B9
J415 B9
J416 B9
J417 B9
J418 B9
J419 B9
J420 B9
J421 B9
J422 B9
J423 B9
J424 B9
J425 B9
J426 B9
J427 B9
J428 B9
J429 B9
J430 B9
J431 B9
J432 B9
J433 B9
J434 B9
J435 B9
J436 B9
J437 B9
J438 B9
J439 B9
J440 B9
J441 B9
J442 B9
J443 B9
J444 B9
J445 B9
J446 B9
J447 B9
J448 B9
J449 B9
J450 B9
J451 B9
J452 B9
J453 B9
J454 B9
J455 B9
J456 B9
J457 B9
J458 B9
J459 B9
J460 B9
J461 B9
J462 B9
J463 B9
J464 B9
J465 B9
J466 B9
J467 B9
J468 B9
J469 B9
J470 B9
J471 B9
J472 B9
J473 B9
J474 B9
J475 B9
J476 B9
J477 B9
J478 B9
J479 B9
J480 B9
J481 B9
J482 B9
J483 B9
J484 B9
J485 B9
J486 B9
J487 B9
J488 B9
J489 B9
J490 B9
J491 B9
J492 B9
J493 B9
J494 B9
J495 B9
J496 B9
J497 B9
J498 B9
J499 B9
J500 B9
J501 B9
J502 B9
J503 B9
J504 B9
J505 B9
J506 B9
J507 B9
J508 B9
J509 B9
J510 B9
J511 B9
J512 B9
J513 B9
J514 B9
J515 B9
J516 B9
J517 B9
J518 B9
J519 B9
J520 B9
J521 B9
J522 B9
J523 B9
J524 B9
J525 B9
J526 B9
J527 B9
J528 B9
J529 B9
J530 B9
J531 B9
J532 B9
J533 B9
J534 B9
J535 B9
J536 B9
J537 B9
J538 B9
J539 B9
J540 B9
J541 B9
J542 B9
J543 B9
J544 B9
J545 B9
J546 B9
J547 B9
J548 B9
J549 B9
J550 B9
J551 B9
J552 B9
J553 B9
J554 B9
J555 B9
J556 B9
J557 B9
J558 B9
J559 B9
J560 B9
J561 B9
J562 B9
J563 B9
J564 B9
J565 B9
J566 B9
J567 B9
J568 B9
J569 B9
J570 B9
J571 B9
J572 B9
J573 B9
J574 B9
J575 B9
J576 B9
J577 B9
J578 B9
J579 B9
J580 B9
J581 B9
J582 B9
J583 B9
J584 B9
J585 B9
J586 B9
J587 B9
J588 B9
J589 B9
J590 B9
J591 B9
J592 B9
J593 B9
J594 B9
J595 B9
J596 B9
J597 B9
J598 B9
J599 B9
J600 B9
J601 B9
J602 B9
J603 B9
J604 B9
J605 B9
J606 B9
J607 B9
J608 B9
J609 B9
J610 B9
J611 B9
J612 B9
J613 B9
J614 B9
J615 B9
J616 B9
J617 B9
J618 B9
J619 B9
J620 B9
J621 B9
J622 B9
J623 B9
J624 B9
J625 B9
J626 B9
J627 B9
J628 B9
J629 B9
J630 B9
J631 B9
J632 B9
J633 B9
J634 B9
J635 B9
J636 B9
J637 B9
J638 B9
J639 B9
J640 B9
J641 B9
J642 B9
J643 B9
J644 B9
J645 B9
J646 B9
J647 B9
J648 B9
J649 B9
J650 B9
J651 B9
J652 B9
J653 B9
J654 B9
J655 B9
J656 B9
J657 B9
J658 B9
J659 B9
J660 B9
J661 B9
J662 B9
J663 B9
J664 B9
J665 B9
J666 B9
J667 B9
J668 B9
J669 B9
J670 B9
J671 B9
J672 B9
J673 B9
J674 B9
J675 B9
J676 B9
J677 B9
J678 B9
J679 B9
J680 B9
J681 B9
J682 B9
J683 B9
J684 B9
J685 B9
J686 B9
J687 B9
J688 B9
J689 B9
J690 B9
J691 B9
J692 B9
J693 B9
J694 B9
J695 B9
J696 B9
J697 B9
J698 B9
J699 B9
J700 B9
J701 B9
J702 B9
J703 B9
J704 B9
J705 B9
J706 B9
J707 B9
J708 B9
J709 B9
J710 B9
J711 B9
J712 B9
J713 B9
J714 B9
J715 B9
J716 B9
J717 B9
J718 B9
J719 B9
J720 B9
J721 B9
J722 B9
J723 B9
J724 B9
J725 B9
J726 B9
J727 B9
J728 B9
J729 B9
J730 B9
J731 B9
J732 B9
J733 B9
J734 B9
J735 B9
J736 B9
J737 B9
J738 B9
J739 B9
J740 B9
J741 B9
J742 B9
J743 B9
J744 B9
J745 B9
J746 B9
J747 B9
J748 B9
J749 B9
J750 B9
J751 B9
J752 B9
J753 B9
J754 B9
J755 B9
J756 B9
J757 B9
J758 B9
J759 B9
J760 B9
J761 B9
J762 B9
J763 B9
J764 B9
J765 B9
J766 B9
J767 B9
J768 B9
J769 B9
J770 B9
J771 B9
J772 B9
J773 B9
J774 B9
J775 B9
J776 B9
J777 B9
J778 B9
J779 B9
J780 B9
J781 B9
J782 B9
J783 B9
J784 B9
J785 B9
J786 B9
J787 B9
J788 B9
J789 B9
J790 B9
J791 B9
J792 B9
J793 B9
J794 B9
J795 B9
J796 B9
J797 B9
J798 B9
J799 B9
J800 B9
J801 B9
J802 B9
J803 B9
J804 B9
J805 B9
J806 B9
J807 B9
J808 B9
J809 B9
J810 B9
J811 B9
J812 B9
J813 B9
J814 B9
J815 B9
J816 B9
J817 B9
J818 B9
J819 B9
J820 B9
J821 B9
J822 B9
J823 B9
J824 B9
J825 B9
J826 B9
J827 B9
J828 B9
J829 B9
J830 B9
J831 B9
J832 B9
J833 B9
J834 B9
J835 B9
J836 B9
J837 B9
J838 B9
J839 B9
J840 B9
J841 B9
J842 B9
J843 B9
J844 B9
J845 B9
J846 B9
J847 B9
J848 B9
J849 B9
J850 B9
J851 B9
J852 B9
J853 B9
J854 B9
J855 B9
J856 B9
J857 B9
J858 B9
J859 B9
J860 B9
J861 B9
J862 B9
J863 B9
J864 B9
J865 B9
J866 B9
J867 B9
J868 B9
J869 B9
J870 B9
J871 B9
J872 B9
J873 B9
J874 B9
J875 B9
J876 B9
J877 B9
J878 B9
J879 B9
J880 B9
J881 B9
J882 B9
J883 B9
J884 B9
J885 B9
J886 B9
J887 B9
J888 B9
J889 B9
J890 B9
J891 B9
J892 B9
J893 B9
J894 B9
J895 B9
J896 B9
J897 B9
J898 B9
J899 B9
J900 B9
J901 B9
J902 B9
J903 B9
J904 B9
J905 B9
J906 B9
J907 B9
J908 B9
J909 B9
J910 B9
J911 B9
J912 B9
J913 B9
J914 B9
J915 B9
J916 B9
J917 B9
J918 B9
J919 B9
J920 B9
J921 B9
J922 B9
J923 B9
J924 B9
J925 B9
J926 B9
J927 B9
J928 B9
J929 B9
J930 B9
J931 B9
J932 B9
J933 B9
J934 B9
J935 B9
J936 B9
J937 B9
J938 B9
J939 B9
J940 B9
J941 B9
J942 B9
J943 B9
J944 B9
J945 B9
J946 B9
J947 B9
J948 B9
J949 B9
J950 B9
J951 B9
J952 B9
J953 B9
J954 B9
J955 B9
J956 B9
J957 B9
J958 B9
J959 B9
J960 B9
J961 B9
J962 B9
J963 B9
J964 B9
J965 B9
J966 B9
J967 B9
J968 B9
J969 B9
J970 B9
J971 B9
J972 B9
J973 B9
J974 B9
J975 B9
J976 B9
J977 B9
J978 B9
J979 B9
J980 B9
J981 B9
J982 B9
J983 B9
J984 B9
J985 B9
J986 B9
J987 B9
J988 B9
J989 B9
J990 B9
J991 B9
J992 B9
J993 B9
J994 B9
J995 B9
J996 B9
J997 B9
J998 B9
J999 B9
J1000 B9
J1001 B9
J1002 B9
J1003 B9
J1004 B9
J1005 B9
J1006 B9
J1007 B9
J1008 B9
J1009 B9
J1010 B9
J1011 B9
J1012 B9
J1013 B9
J1014 B9
J1015 B9
J1016 B9
J1017 B9
J1018 B9
J1019 B9
J1020 B9
J1021 B9
J1022 B9
J1023 B9
J1024 B9
J1025 B9
J1026 B9
J1027 B9
J1028 B9
J1029 B9
J1030 B9
J1031 B9
J1032 B9
J1033 B9
J1034 B9
J1035 B9
J1036 B9
J1037 B9
J1038 B9
J1039 B9
J1040 B9
J1041 B9
J1042 B9
J1043 B9
J1044 B9
J1045 B9
J1046 B9
J1047 B9
J1048 B9
J1049 B9
J1050 B9
J1051 B9
J1052 B9
J1053 B9
J1054 B9
J1055 B9
J1056 B9
J1057 B9
J1058 B9
J1059 B9
J1060 B9
J1061 B9
J1062 B9
J1063 B9
J1064 B9
J1065 B9
J1066 B9
J1067 B9
J1068 B9
J1069 B9
J1070 B9
J1071 B9
J1072 B9
J1073 B9
J1074 B9
J1075 B9
J1076 B9
J1077 B9
J1078 B9
J1079 B9
J1080 B9
J1081 B9
J1082 B9
J1083 B9
J1084 B9
J1085 B9
J1086 B9
J1087 B9
J1088 B9
J1089 B9
J1090 B9
J1091 B9
J1092 B9
J1093 B9
J1094 B9
J1095 B9
J1096 B9
J1097 B9
J1098 B9
J1099 B9
J1100 B9
J1101 B9
J1102 B9
J1103 B9
J1104 B9
J1105 B9
J1106 B9
J1107 B9
J1108 B9
J1109 B9
J1110 B9
J1111 B9
J1112 B9
J1113 B9
J1114 B9
J1115 B9
J1116 B9
J1117 B9
J1118 B9
J1119 B9
J1120 B9
J1121 B9
J1122 B9
J1123 B9
J1124 B9
J1125 B9
J1126 B9
J1127 B9
J1128 B9
J1129 B9
J1130 B9
J1131 B9
J1132 B9
J1133 B9
J1134 B9
J1135 B9
J1136 B9
J1137 B9
J1138 B9
J1139 B9
J1140 B9
J1141 B9
J1142 B9
J1143 B9
J1144 B9
J1145 B9
J1146 B9
J1147 B9
J1148 B9
J1149 B9
J1150 B9
J1151 B9
J1152 B9
J1153 B9
J1154 B9
J1155 B9
J1156 B9
J1157 B9
J1158 B9
J1159 B9
J1160 B9
J1161 B9
J1162 B9
J1163 B9
J1164 B9
J1165 B9
J1166 B9
J1167 B9
J1168 B9
J1169 B9
J1170 B9
J1171 B9
J1172 B9
J1173 B9
J1174 B9
J1175 B9
J1176 B9
J1177 B9
J1178 B9
J1179 B9
J1180 B9
J1181 B9
J1182 B9
J1183 B9
J1184 B9
J1185 B9
J1186 B9
J1187 B9
J1188 B9
J1189 B9
J1190 B9
J1191 B9
J1192 B9
J1193 B9
J1194 B9
J1195 B9
J1196 B9
J1197 B9
J1198 B9
J1199 B9
J1200 B9
J1201 B9
J1202 B9
J1203 B9
J1204 B9
J1205 B9
J1206 B9
J1207 B9
J1208 B9
J1209 B9
J1210 B9
J1211 B9
J1212 B9
J1213 B9
J1214 B9
J1215 B9
J1216 B9
J1217 B9
J1218 B9
J1219 B9
J1220 B9
J1221 B9
J1222 B9
J1223 B9
J1224 B9
J1225 B9
J1226 B9
J1227 B9
J1228 B9
J1229 B9
J1230 B9
J1231 B9
J1232 B9
J1233 B9
J1234 B9
J1235 B9
J1236 B9
J1237 B9
J1238 B9
J1239 B9
J1240 B9
J1241 B9
J1242 B9
J1243 B9
J1244 B9
J1245 B9
J1246 B9
J1247 B9
J1248 B9
J1249 B9
J1250 B9
J1251 B9
J1252 B9
J1253 B9
J1254 B9
J1255 B9
J1256 B9
J1257 B9
J1258 B9
J1259 B9
J1260 B9
J1261 B9
J1262 B9
J1263 B9
J1264 B9
J1265 B9
J1266 B9
J1267 B9
J1268 B9
J1269 B9
J1270 B9
J1271 B9
J1272 B9
J1273 B9
J1274 B9
J1275 B9
J1276 B9
J1277 B9
J1278 B9
J1279 B9
J1280 B9
J1281 B9
J1282 B9
J1283 B9
J1284 B9
J1285 B9
J1286 B9
J1287 B9
J1288 B9
J1289 B9
J1290 B9
J1291 B9
J1292 B9
J1293 B9
J1294 B9
J1295 B9
J1296 B9
J1297 B9
J1298 B9
J1299 B9
J1300 B9
J1301 B9
J1302 B9
J1303 B9
J1304 B9
J1305 B9
J1306 B9
J1307 B9
J1308 B9
J1309 B9
J1310 B9
J1311 B9
J1312 B9
J1313 B9
J1314 B9
J1315 B9
J1316 B9
J1317 B9
J1318 B9
J1319 B9
J1320 B9
J1321 B9
J1322 B9
J1323 B9
J1324 B9
J1325 B9
J1326 B9
J1327 B9
J1328 B9
J1329 B9
J1330 B9
J1331 B9
J1332 B9
J1333 B9
J1334 B9
J1335 B9
J1336 B9
J1337 B9
J1338 B9
J1339 B9
J1340 B9
J1341 B9
J1342 B9
J1343 B9
J1344 B9
J1345 B9
J1346 B9
J1347 B9
J1348 B9
J1349 B9
J1350 B9
J1351 B9
J1352 B9
J1353 B9
J1354 B9
J1355 B9
J1356 B9
J1357 B9
J1358 B9
J1359 B9
J1360 B9
J1361 B9
J1362 B9
J1363 B9
J1364 B9
J1365 B9
J1366 B9
J1367 B9
J1368 B9
J1369 B9
J1370 B9
J1371 B9
J1372 B9
J1373 B9
J1374 B9
J1375 B9
J1376 B9
J1377 B9
J1378 B9
J1379 B9
J1380 B9
J1381 B9
J1382 B9
J1383 B9
J1384 B9
J1385 B9
J1386 B9
J1387 B9
J1388 B9
J1389 B9
J1390 B9
J1391 B9
J1392 B9
J1393 B9
J1394 B9
J1395 B9
J1396 B9
J1397 B9
J1398 B9
J1399 B9
J1400 B9
J1401 B9
J1402 B9
J1403 B9
J1404 B9
J1405 B9
J1406 B9
J1407 B9
J1408 B9
J1409 B9
J1410 B9
J1411 B9
J1412 B9
J1413 B9
J1414 B9
J1415 B9
J1416 B9
J1417 B9
J1418 B9
J1419 B9
J1420 B9
J1421 B9
J1422 B9
J1423 B9
J1424 B9
J1425 B9
J1426 B9
J1427 B9
J1428 B9
J1429 B9
J1430 B9
J1431 B9
J1432 B9
J1433 B9
J1434 B9
J1435 B9
J1436 B9
J1437 B9
J1438 B9
J1439 B9
J1440 B9
J1441 B9
J1442 B9
J1443 B9
J1444 B9
J1445 B9
J1446 B9
J1447 B9
J1448 B9
J1449 B9
J1450 B9
J1451 B9
J1452 B9
J1453 B9
J1454 B9
J1455 B9
J1456 B9
J1457 B9
J1458 B9
J1459 B9
J1460 B9
J1461 B9
J1462 B9
J1463 B9
J1464 B9
J1465 B9
J1466 B9
J1467 B9
J1468 B9
J1469 B9
J1470 B9
J1471 B9
J1472 B9
J1473 B9
J1474 B9
J1475 B9
J1476 B9
J1477 B9
J1478 B9
J1479 B9
J1480 B9
J1481 B9
J1482 B9
J1483 B9
J1484 B9
J1485 B9
J1486 B9
J1487 B9
J1488 B9
J1489 B9
J1490 B9
J1491 B9
J1492 B9
J1493 B9
J1494 B9
J1495 B9
J1496 B9
J1497 B9
J1498 B9
J1499 B9
J1500 B9
J1501 B9
J1502 B9
J1503 B9
J1504 B9
J1505 B9
J1506 B9
J1507 B9
J1508 B9
J1509 B9
J1510 B9
J1511 B9
J1512 B9
J1513 B9
J1514 B9
J1515 B9
J1516 B9
J1517 B9
J1518 B9
J1519 B9
J1520 B9
J1521 B9
J1522 B9
J1523 B9
J1524 B9
J1525 B9
J1526 B9
J1527 B9
J1528 B9
J1529 B9
J1530 B9
J1531 B9
J1532 B9
J1533 B9
J1534 B9
J1535 B9
J1536 B9
J1537 B9
J1538 B9
J1539 B9
J1540 B9
J1541 B9
J1542 B9
J1543 B9
J1544 B9
J1545 B9
J1546 B9
J1547 B9
J1548 B9
J1549 B9
J1550 B9
J1551 B9
J1552 B9
J1553 B9
J1554 B9
J1555 B9
J1556 B9
J1557 B9
J1558 B9
J1559 B9
J1560 B9
J1561 B9
J1562 B9
J1563 B9
J1564 B9
J1565 B9
J1566 B9
J1567 B9
J1568 B9
J1569 B9
J1570 B9
J1571 B9
J1572 B9
J1573 B9
J1574 B9
J1575 B9
J1576 B9
J1577 B9
J1578 B9
J1579 B9
J1580 B9
J1581 B9
J1582 B9
J1583 B9
J1584 B9
J1585 B9
J1586 B9
J1587 B9
J1588 B9
J1589 B9
J1590 B9
J1591 B9
J1592 B9
J1593 B9
J1594 B9
J1595 B9
J1596 B9
J1597 B9
J1598 B9
J1599 B9
J1600 B9
J1601 B9
J1602 B9
J1603 B9
J1604 B9
J1605 B9
J1606 B9
J1607 B9
J1608 B9
J1609 B9
J1610 B9
J1611 B9
J1612 B9
J1613 B9
J1614 B9
J1615 B9
J1616 B9
J1617 B9
J1618 B9
J1619 B9
J1620 B9
J1621 B9
J1622 B9
J1623 B9
J1624 B9
J1625 B9
J1626 B9
J1627 B9
J1628 B9
J1629 B9
J1630 B9
J1631 B9
J1632 B9
J1633 B9
J1634 B9
J1635 B9
J1636 B9
J1637 B9
J1638 B9
J1639 B9
J1640 B9
J1641 B9
J1642 B9
J1643 B9
J1644 B9
J1645 B9
J1646 B9
J1647 B9
J1648 B9
J1649 B9
J1650 B9
J1651 B9
J1652 B9
J1653 B9
J1654 B9
J1655 B9
J1656 B9
J1657 B9
J1658 B9
J1659 B9
J1660 B9
J1661 B9
J1662 B9
J1663 B9
J1664 B9
J1665 B9
J1666 B9
J1667 B9
J1668 B9
J1669 B9
J1670 B9
J1671 B9
J1672 B9
J1673 B9
J1674 B9
J1675 B9
J1676 B9
J1677 B9
J1678 B9
J1679 B9
J1680 B9
J1681 B9
J1682 B9
J1683 B9
J1684 B9
J1685 B9
J1686 B9
J1687 B9
J1688 B9
J1689 B9
J1690 B9
J1691 B9
J1692 B9
J1693 B9
J1694 B9
J1695 B9
J1696 B9
J1697 B9
J1698 B9
J1699 B9
J1700 B9
J1701 B9
J1702 B9
J1703 B9
J1704 B9
J1705 B9
J1706 B9
J1707 B9
J1708 B9
J1709 B9
J1710 B9
J1711 B9
J1712 B9
J1713 B9
J1714 B9
J1715 B9
J1716 B9
J1717 B9
J1718 B9
J1719 B9
J1720 B9
J1721 B9
J1722 B9
J1723 B9
J1724 B9
J1725 B9
J1726 B9
J1727 B9
J1728 B9
J1729 B9
J1730 B9
J1731 B9
J1732 B9
J1733 B9
J1734 B9
J1735 B9
J1736 B9
J1737 B9
J1738 B9
J1739 B9
J1740 B9
J1741 B9
J1742 B9
J1743 B9
J1744 B9
J1745 B9
J1746 B9
J1747 B9
J1748 B9
J1749 B9
J1750 B9
J1751 B9
J1752 B9
J1753 B9
J1754 B9
J1755 B9
J1756 B9
J1757 B9
J1758 B9
J1759 B9
J1760 B9
J1761 B9
J1762 B9
J1763 B9
J1764 B9
J1765 B9
J1766 B9
J1767 B9
J1768 B9
J1769 B9
J1770 B9
J1771 B9
J1772 B9
J1773 B9
J1774 B9
J1775 B9
J1776 B9
J1777 B9
J1778 B9
J1779 B9
J1780 B9
J1781 B9
J1782 B9
J1783 B9
J1784 B9
J1785 B9
J1786 B9
J1787 B9
J1788 B9
J1789 B9
J1790 B9
J1791 B9
J1792 B9
J1793 B9
J1794 B9
J1795 B9
J1796 B9
J1797 B9
J1798 B9
J1799 B9
J1800 B9
J1801 B9
J1802 B9
J1803 B9
J1804 B9
J1805 B9
J1806 B9
J1807 B9
J1808 B9
J1809 B9
J1810 B9
J1811 B9
J1812 B9
J1813 B9
J1814 B9
J1815 B9
J1816 B9
J1817 B9
J1818 B9
J1819 B9
J1820 B9
J1821 B9
J1822 B9
J1823 B9
J1824 B9
J1825 B9
J1826 B9
J1827 B9
J1828 B9
J1829 B9
J1830 B9
J1831 B9
J1832 B9
J1833 B9
J1834 B9
J1835 B9
J1836 B9
J1837 B9
J1838 B9
J1839 B9
J1840 B9
J1841 B9
J1842 B9
J1843 B9
J1844 B9
J1845 B9
J1846 B9
J1847 B9
J1848 B9
J1849 B9
J1850 B9
J1851 B9
J1852 B9
J1853 B9
J1854 B9
J1855 B9
J1856 B9
J1857 B9
J1858 B9
J1859 B9
J1860 B9
J1861 B9
J1862 B9
J1863 B9
J1864 B9
J1865 B9
J1866 B9
J1867 B9
J1868 B9
J1869 B9
J1870 B9
J1871 B9
J1872 B9
J1873 B9
J1874 B9
J1875 B9
J1876 B9
J1877 B9
J1878 B9
J1879 B9
J1880 B9
J1881 B9
J1882 B9
J1883 B9
J1884 B9
J1885 B9
J1886 B9
J1887 B9
J1888 B9
J1889 B9
J1890 B9
J1891 B9
J1892 B9
J1893 B9
J1894 B9
J1895 B9
J1896 B9
J1897 B9
J1898 B9
J1899 B9
J1900 B9
J1901 B9
J1902 B9
J1903 B9
J1904 B9
J1905 B9
J1906 B9
J1907 B9
J1908 B9
J1909 B9
J1910 B9
J1911 B9
J1912 B9
J1913 B9
J1914 B9
J1915 B9
J1916 B9
J1917 B9
J1918 B9
J1919 B9
J1920 B9
J1921 B9
J1922 B9
J1923 B9
J1924 B9
J1925 B9
J1926 B9
J1927 B9
J1928 B9
J1929 B9
J1930 B9
J1931 B9
J1932 B9
J1933 B9
J1934 B9
J1935 B9
J1936 B9
J1937 B9
J1938 B9
J1939 B9
J1940 B9
J1941 B9
J1942 B9
J1943 B9
J1944 B9
J1945 B9
J1946 B9
J1947 B9
J1948 B9
J1949 B9
J1950 B9
J1951 B9
J1952 B9
J1953 B9
J1954 B9
J1955 B9
J1956 B9
J1957 B9
J1958 B9
J1959 B9
J1960 B9
J1961 B9
J1962 B9
J1963 B9
J1964 B9
J1965 B9
J1966 B9
J1967 B9
J1968 B9
J1969 B9
J1970 B9
J1971 B9
J1972 B9
J1973 B9
J1974 B9
J1975 B9
J1976 B9
J1977 B9
J1978 B9
J1979 B9
J1980 B9
J1981 B9
J1982 B9
J1983 B9
J1984 B9
J1985 B9
J1986 B9
J1987 B9
J1988 B9
J1989 B9
J1990 B9
J1991 B9
J1992 B9
J1993 B9
J1994 B9
J1995 B9
J1996 B9
J1997 B9
J1998 B9
J1999 B9
J2000 B9
J2001 B9
J2002 B9
J2003 B9
J2004 B9
J2005 B9
J2006 B9
J2007 B9
J2008 B9
J2009 B9
J2010 B9
J2011 B9
J2012 B9
J2013 B9
J2014 B9
J2015 B9
J2016 B9
J2017 B9
J2018 B9
J2019 B9
J2020 B9
J2021 B9
J2022 B9
J2023 B9
J2024 B9
J2025 B9
J2026 B9
J2027 B9
J2028 B9
J2029 B9
J2030 B9
J2031 B9
J2032 B9
J2033 B9
J2034 B9
J2035 B9
J2036 B9
J2037 B9
J2038 B9
J2039 B9
J2040 B9
J2041 B9
J2042 B9
J2043 B9
J2044 B9
J2045 B9
J2046 B9
J2047 B9
J2048 B9
J2049 B9
J2050 B9
J2051 B9
J2052 B9
J2053 B9
J2054 B9
J2055 B9
J2056 B9
J2057 B9
J2058 B9
J2059 B9
J2060 B9
J2061 B9
J2062 B9
J2063 B9
J2064 B9
J2065 B9
J2066 B9
J2067 B9
J2068 B9
J2069 B9
J2070 B9
J2071 B9
J2072 B9
J2073 B9
J2074 B9
J2075 B9
J2076 B9
J2077 B9
J2078 B9
J2079 B9
J2080 B9
J2081 B9
J2082 B9
J2083 B9
J2084 B9
J2085 B9
J2086 B9
J2087 B9
J2088 B9
J2089 B9
J2090 B9
J2091 B9
J2092 B9
J2093 B9
J2094 B9
J2095 B9
J2096 B9
J2097 B9
J2098 B9
J2099 B9
J2100 B9
J2101 B9
J2102 B9
J2103 B9
J2104 B9
J2105 B9
J2106 B9
J2107 B9
J2108 B9
J2109 B9
J2110 B9
J2111 B9
J2112 B9
J2113 B9
J2114 B9
J2115 B9
J2116 B9
J2117 B9
J2118 B9
J2119 B9
J2120 B9
J2121 B9
J2122 B9
J2123 B9
J2124 B9
J2125 B9
J2126 B9
J2127 B9
J2128 B9
J2129 B9
J2130 B9
J2131 B9
J2132 B9
J2133 B9
J2134 B9
J2135 B9
J2136 B9
J2137 B9
J2138 B9
J2139 B9
J2140 B9
J2141 B9
J2142 B9
J2143 B9
J2144 B9
J2145 B9
J2146 B9
J2147 B9
J2148 B9
J2149 B9
J2150 B9
J2151 B9
J2152 B9
J2153 B9
J2154 B9
J2155 B9
J2156 B9
J2157 B9
J2158 B9
J2159 B9
J2160 B9
J2161 B9
J2162 B9
J2163 B9
J2164 B9
J2165 B9
J2166 B9
J2167 B9
J2168 B9
J2169 B9
J2170 B9
J2171 B9
J2172 B9
J2173 B9
J2174 B9
J2175 B9
J2176 B9
J2177 B9
J2178 B9
J2179 B9
J2180 B9
J2181 B9
J2182 B9
J2183 B9
J2184 B9
J2185 B9
J2186 B9
J2187 B9
J2188 B9
J2189 B9
J2190 B9
J2191 B9
J2192 B9
J2193 B9
J2194 B9
J2195 B9
J2196 B9
J2197 B9
J2198 B9
J2199 B9
J2200 B9
J2201 B9
J2202 B9
J2203 B9
J2204 B9
J2205 B9
J2206 B9
J2207 B9
J2208 B9
J2209 B9
J2210 B9
J2211 B9
J2212 B9
J2213 B9
J2214 B9
J2215 B9
J2216 B9
J2217 B9
J2218 B9
J2219 B9
J2220 B9
J2221 B9
J2222 B9
J2223 B9
J2224 B9
J2225 B9
J2226 B9
J2227 B9
J2228 B9
J2229 B9
J2230 B9
J2231 B9
J2232 B9
J2233 B9
J2234 B9
J2235 B9
J2236 B9
J2237 B9
J2238 B9
J2239 B9
J2240 B9
J2241 B9
J2242 B9
J2243 B9
J2244 B9
J2245 B9
J2246 B9
J2247 B9
J2248 B9
J2249 B9
J2250 B9
J2251 B9
J2252 B9
J2253 B9
J2254 B9
J2255 B9
J2256 B9
J2257 B9
J2258 B9
J2259 B9
J2260 B9
J2261 B9
J2262 B9
J2263 B9
J2264 B9
J2265 B9
J2266 B9
J2267 B9
J2268 B9
J2269 B9
J2270 B9
J2271 B9
J2272 B9
J2273 B9
J2274 B9
J2275 B9
J2276 B9
J2277 B9
J2278 B9
J2279 B9
J2280 B9
J2281 B9
J2282 B9
J2283 B9
J2284 B9
J2285 B9
J2286 B9
J2287 B9
J2288 B9
J2289 B9
J2290 B9
J2291 B9
J2292 B9
J2293 B9
J2294 B9
J2295 B9
J2296 B9
J2297 B9
J2298 B9
J2299 B9
J2300 B9
J2301 B9
J2302 B9
J2303 B9
J2304 B9
J2305 B9
J2306 B9
J2307 B9
J2308 B9
J2309 B9
J2310 B9
J2311 B9
J2312 B9
J2313 B9
J2314 B9
J2315 B9
J2316 B9
J2317 B9
J2318 B9
J2319 B9
J2320 B9
J2321 B9
J2322 B9
J2323 B9
J2324 B9
J2325 B9
J2326 B9
J2327 B9
J2328 B9
J2329 B9
J2330 B9
J2331 B9
J2332 B9
J2333 B9
J2334 B9
J2335 B9
J2336 B9
J2337 B9
J2338 B9
J2339 B9
J2340 B9
J2341 B9
J2342 B9
J2343 B9
J2344 B9
J2345 B9
J2346 B9
J2347 B9
J2348 B9
J2349 B9
J2350 B9
J2351 B9
J2352 B9
J2353 B9
J2354 B9
J2355 B9
J2356 B9
J2357 B9
J2358 B9
J2359 B9
J2360 B9
J2361 B9
J2362 B9
J2363 B9
J2364 B9
J2365 B9
J2366 B9
J2367 B9
J2368 B9
J2369 B9
J2370 B9
J2371 B9
J2372 B9
J2373 B9
J2374 B9
J2375 B9
J2376 B9
J2377 B9
J2378 B9
J2379 B9
J2380 B9
J2381 B9
J2382 B9
J2383 B9
J2384 B9
J2385 B9
J2386 B9
J2387 B9
J2388 B9
J2389 B9
J2390 B9
J2391 B9
J2392 B9
J2393 B9
J2394 B9
J2395 B9
J2396 B9
J2397 B9
J2398 B9
J2399 B9
J2400 B9
J2401 B9

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B6888040E

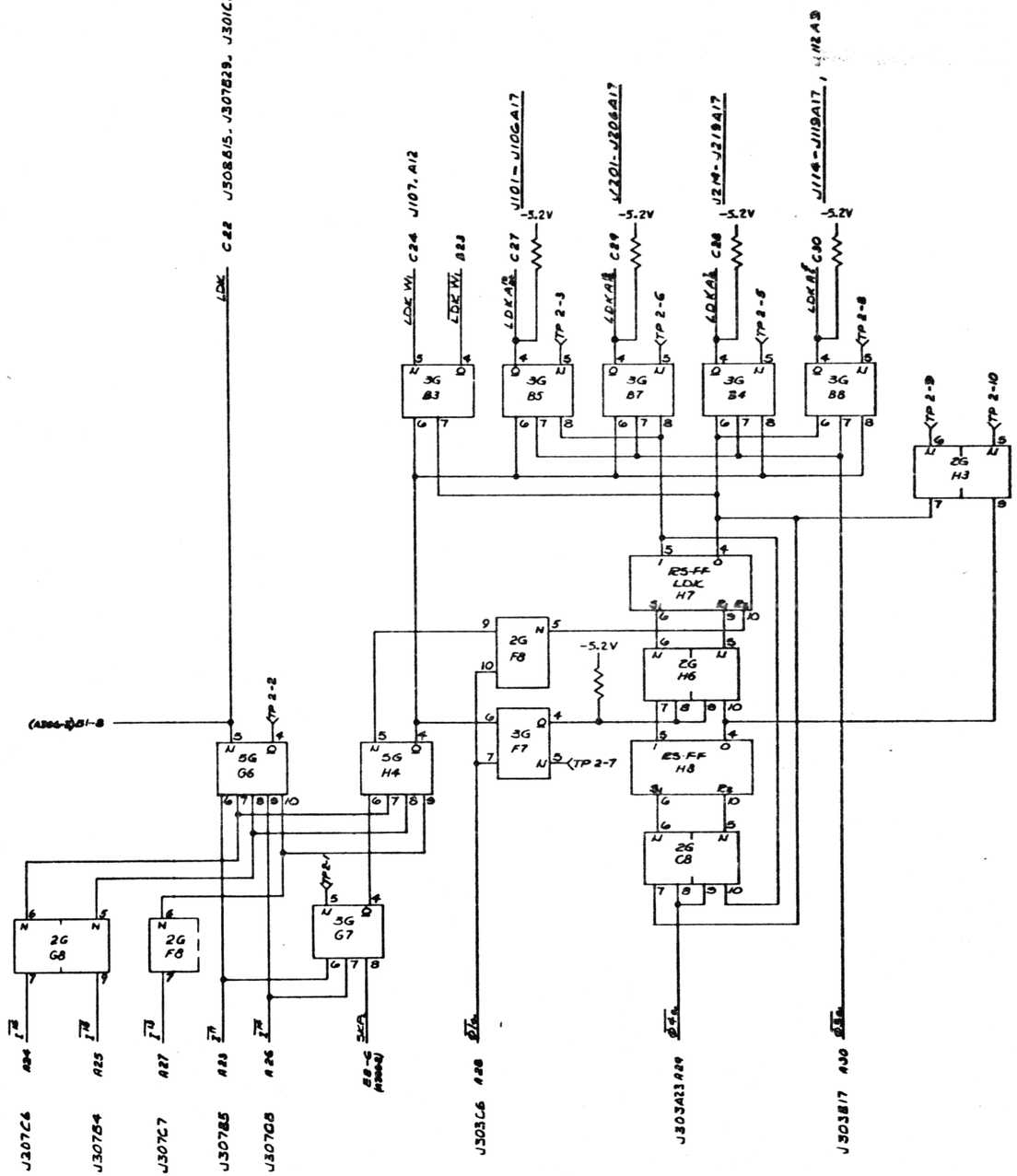
A306-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR Bilyo 8-25-67 DR CHK J.H.M. 11-7-67 DESIGN CHK J.H.M. 11-7-67 MFG. CHK PROJ. APPD H.L. 10/16/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK	LOGIC DIAGRAM Au ⇒ Cm ADDRESS GATES AND LD CONSTANT
		SIZE D	CODE IDENT NO. 36378
		DWG. NO B6888040E	
		SCALE	SHEET 87

687418 NEXT ASSY | A/F 370-T9 USED ON

Form no. F-1474-00

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

A306-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR 8-25-67 DR CHK 11-9-67 DESIGN CHK 11-9-67 MFG. CHK PROJ. APPD 10/31/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK LOGIC DIAGRAM A4 ⇒ Cm ADDRESS GATES AND LD CONSTANTS SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E SCALE — · SHEET 88

687418	A/F37U-T9
NEXT ASSY	USED ON

FORM NO. F-1474-69

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

TRANSFERRED PRIORITY (0) A12 — J4A4 (P4A4J/I1586 2D)
TRANSFERRED PRIORITY (1) D12 — J4A3 (P4A3J/I1586 2D)
TRANSFERRED PRIORITY (2) A14 — J3/1SC6, J3/1C6
TRANSFERRED PRIORITY (3) C12 — J2B5 (P4B5J/I1381/E 2AF6)
TRANSFERRED PRIORITY (4) C14 — J2B4 (P4B4J/I1441/E 2AF5)

QE+AND-BUS-BST A14 — J306B4
(TP1-6)
(TP1-7)
18 ADDR A10 — J3/2B23
8 ADDR B10 — J3/2A25, J306C5
E ADDR A13 — J312C14, J308B17
E ADDR B13 — J312B19

3G	F6	3G	F7
3G	F8	3G	F3
3G	G1	3G	G2
3G	H1	3G	H2
GE	H3	GE	G3
3G	H4	GE	G4
3G	F4	GE	G5
GE	G6		

I⁰ B8-9
I¹ B8-7
I² C8-6
I³ E7-9
I⁴ E8-6
I⁵ D8-9
I⁶ D8-7
I⁷ B5-5
I⁸ G7-5
I⁹ C4-5
(A307-2)

I¹⁷ B6 — J301B23, J306A23, J308B9, J312B24
I¹⁶ C6 — J306A24, J312A24, J301B24, J308B5
I¹⁵ B4 — J306A25, J312B29, J301C4, J308A12
I¹⁴ C8 — J308B22, J301C24, J306A26, J312B30
I¹³ C7 — J306A27, J312A30, J301C5, J308B25
I¹² A10 — J309A20, J305A9, J306A7, J112B9, J312B5
I¹¹ A9 — J206B17, J309A17, J305B9, J312A27, J306A12, J114B17
I¹⁰ A11 — J305A10, J309B23, J205B17, J312A5, J306A17, J115B17

3G	B1	3G	C1
3G	F1	3G	E1
3G	D1	3G	D3
3G	E3	3G	C3

ALL JACKS TO DRUM LOG/C

J306C22
J304B18

J6B1 (P4B1J/I1927)	J6A1 (P4A1J/I1927)	J6B2 (P4B2J/I1926)	J6A2 (P4A2J/I1925 J6B3 (P4B3J/I1922)
J6A3 (P4A3J/I1923 J6B4 (P4B4J/I1921)	J6A4 (P4A4J/I1920)	J6B5 (P4B5J/I1914)	J6A5 (P4A5J/I1914) J6B6 (P4B6J/I1910)
J6A6 (P4A6J/I1910) J6B7 (P4B7J/I1908)	J6A7 (P4A7J/I1908)	J6B8 (P4B8J/I1904)	J6A8 (P4A8J/I1914)

NOTES:
1. ALL RESISTORS ARE 120Ω, 1/4W, ±5%.

B6880408E

A307-1

NEXT ASSY 667304	USED ON A/F 37A1 19		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
~~2-PLACE ± .03 ANGULAR ±~~
~~3-PLACE ± .010 FRACTIONAL ±~~
~~HOLE DIA TOL PER SHOP STDS.~~
MFR. TO LINK STDS.
MATL
FINISH

DR M. F. Johnson 9-27-67
DR CHK J. Newey 10-9-67
DESIGN CHK L. Scott 10-10-67
MFG. CHK
PROJ. APPD P. L. Cochran 10/10/67

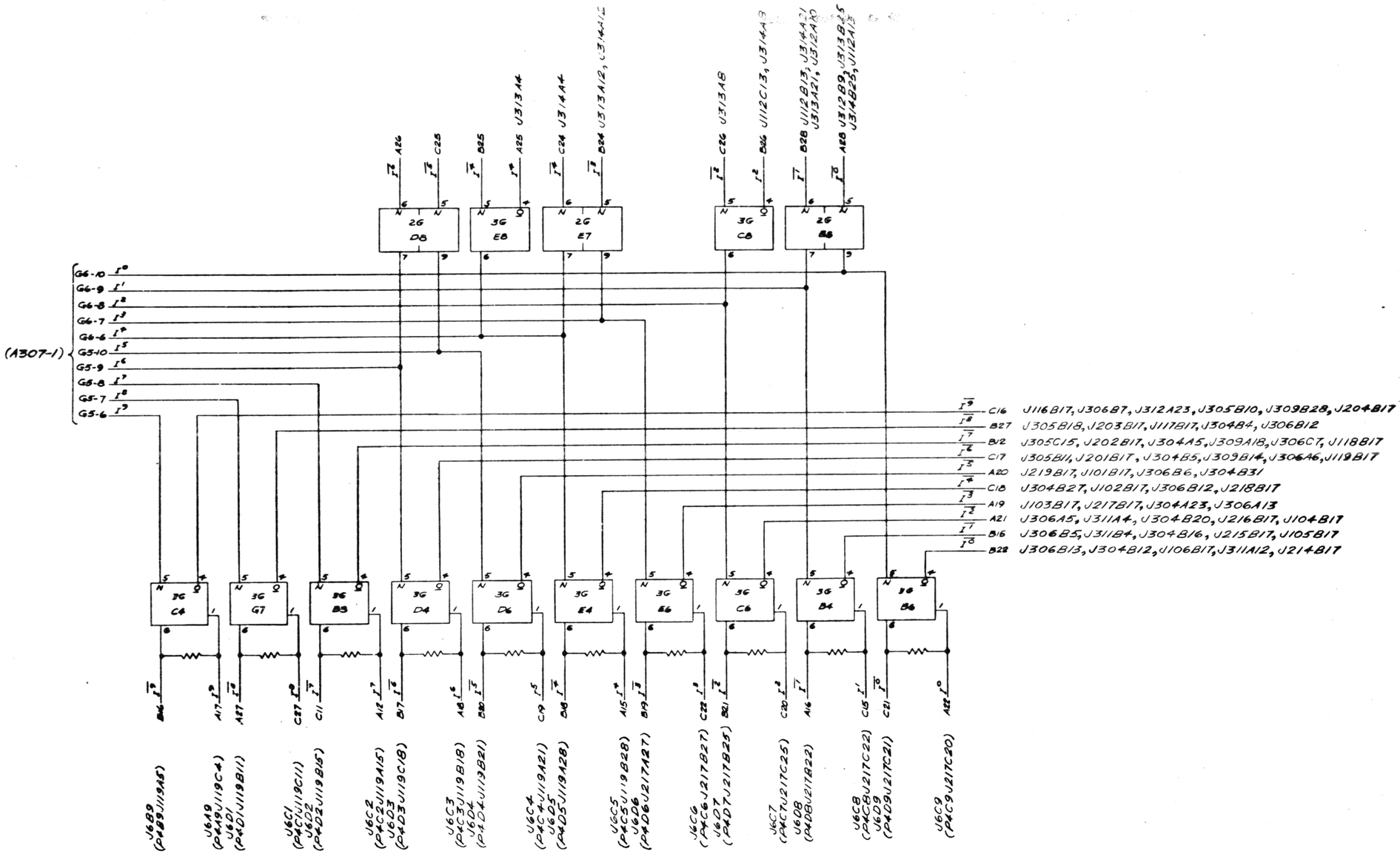
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM - PRIORITY & INSTRUCTION RECEIVING GATES

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE — SHEET 89

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B6888040E

A

[B6888040E]

A307-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL ~~2 PLACE ± .03 ANGULAR ±~~ ~~3 PLACE ± .010 FRACTIONAL ±~~ ~~HOLE DIA. TOL. PER SHOP STDS.~~ MFR. TO LINK STDS.	DR M. A. Seymour 9-27-67 DR CHK J. Hewes 10-9-67 DESGN CHK [illegible] 10-10-67 MFG. CHK PROJ. APPD [illegible] 10/11/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK LOGIC DIAGRAM- PRIORITY & INSTRUCTION RECEIVING GATES
MATL FINISH		SIZE D · CODE IDENT NO. 36378 · DWG. NO. B6888040E SCALE NONE · SHEET 90

NEXT ASSY	USED ON

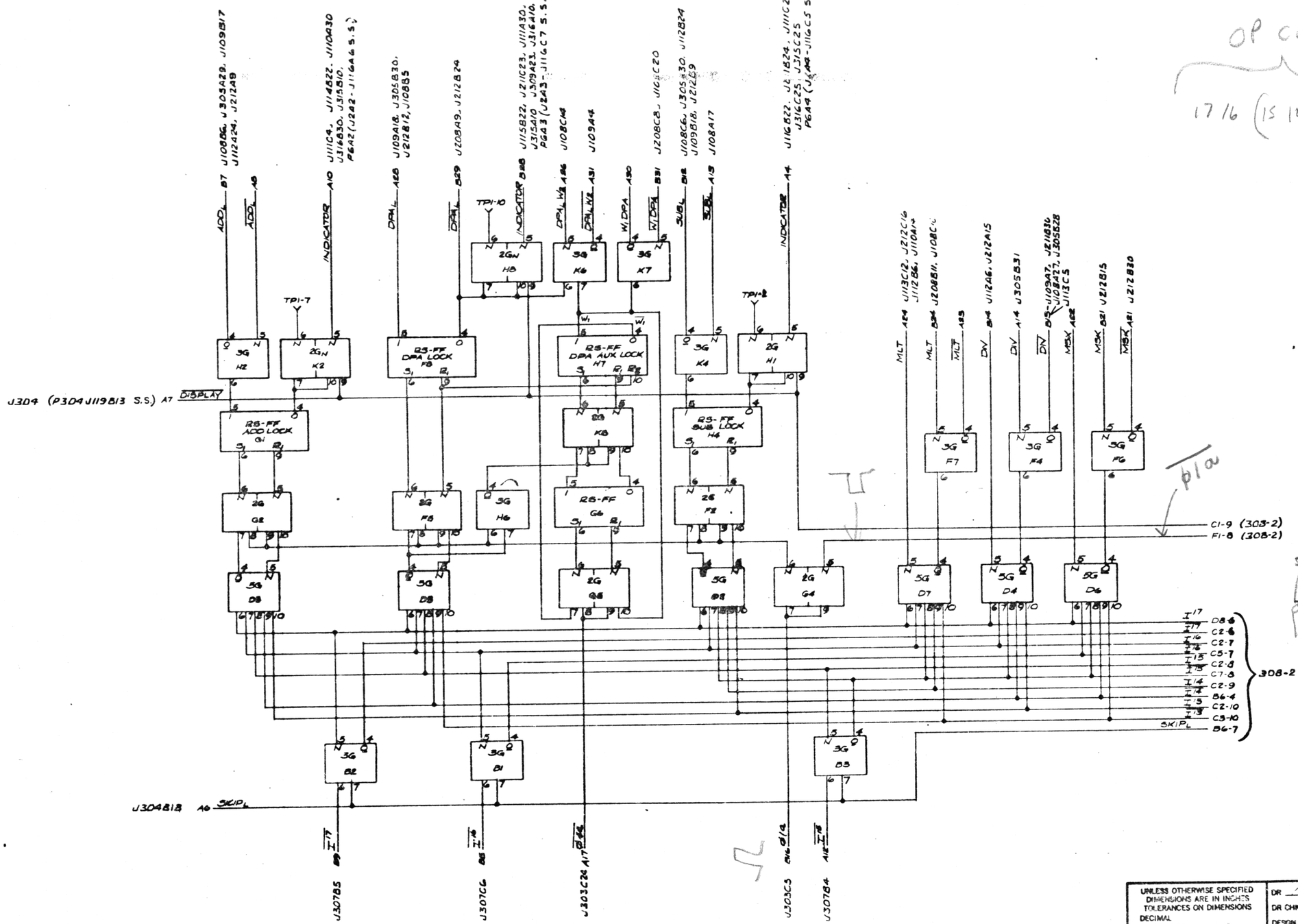
FORM NO. F-1473-HB

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

OP CODE

Letter N N N

17 16 (15 14 13 (12 11 10 9 (8 7 6 (5 4 3 (2 1 0



B688040E

[B688040E]

A308-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	Bugo	9-25-67
DR CHK		10-9-67
DESIGN CHK		10-9-67
MFG. CHK		
PROJ. APPD		11/14/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

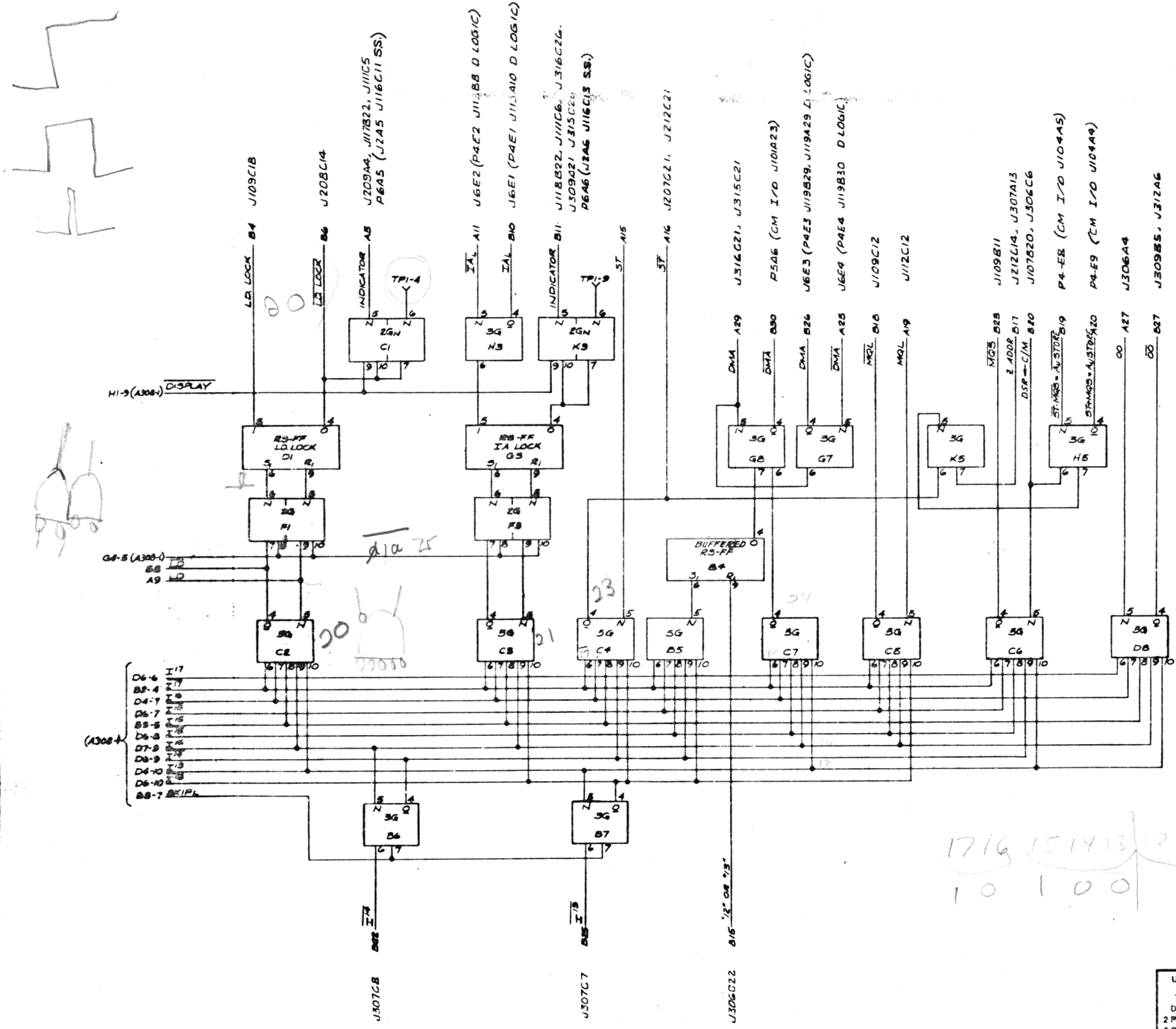
LOGIC DIAGRAM INSTRUCTION DECODER

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE | SHEET 91

667282	A/F 370-T9
NEXT ASSY	USED ON

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



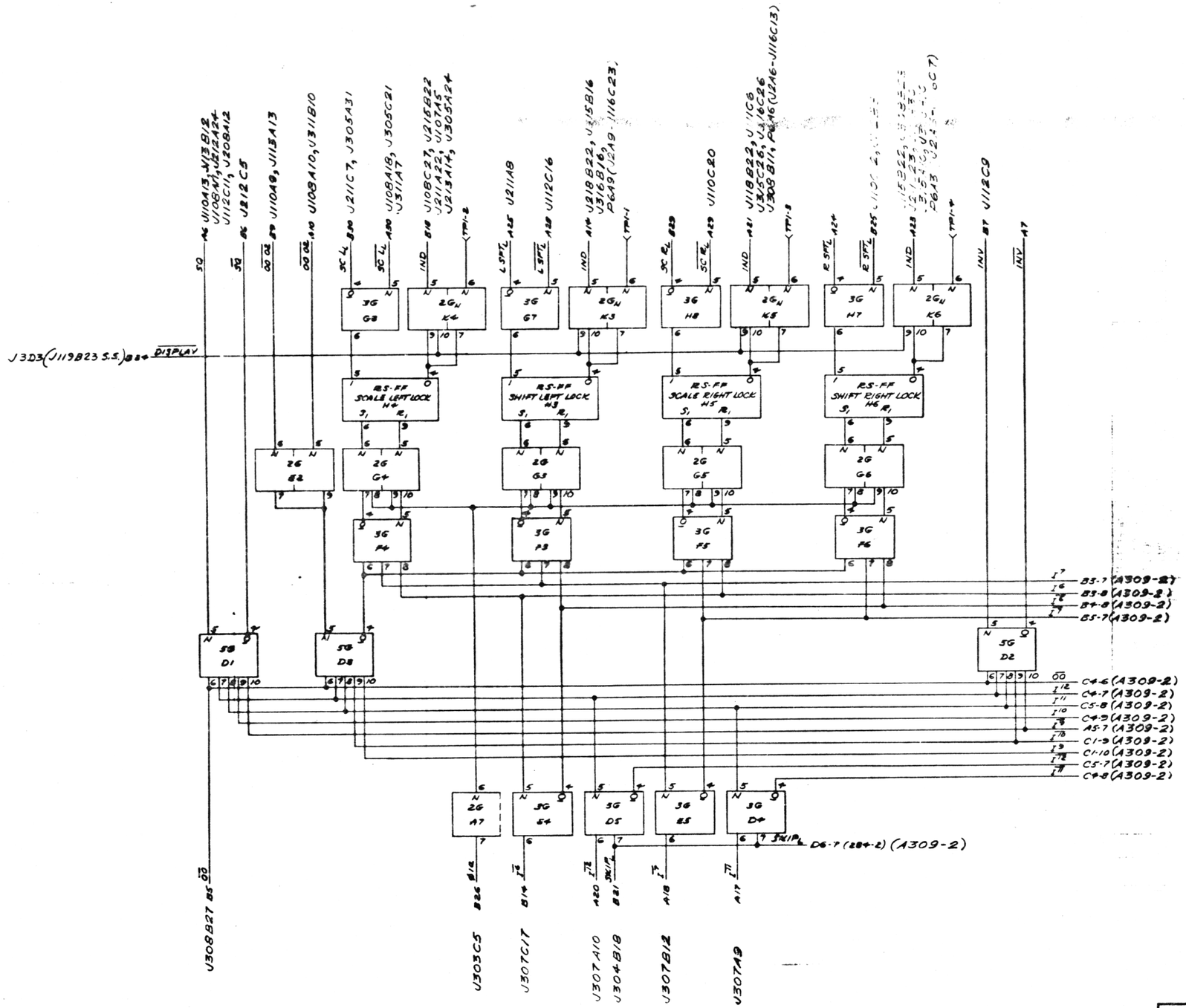
B688040E

A308-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR 9-25-67 DR CHK DESGN CHK MFG. CHK PROJ. APPD 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM INSTRUCTION DECODER
		SIZE D | CODE IDENT NO. 36378 | DWG. NO. B688040E
		SCALE — | SHEET 92

687782	A/F 3711-T9
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E
A

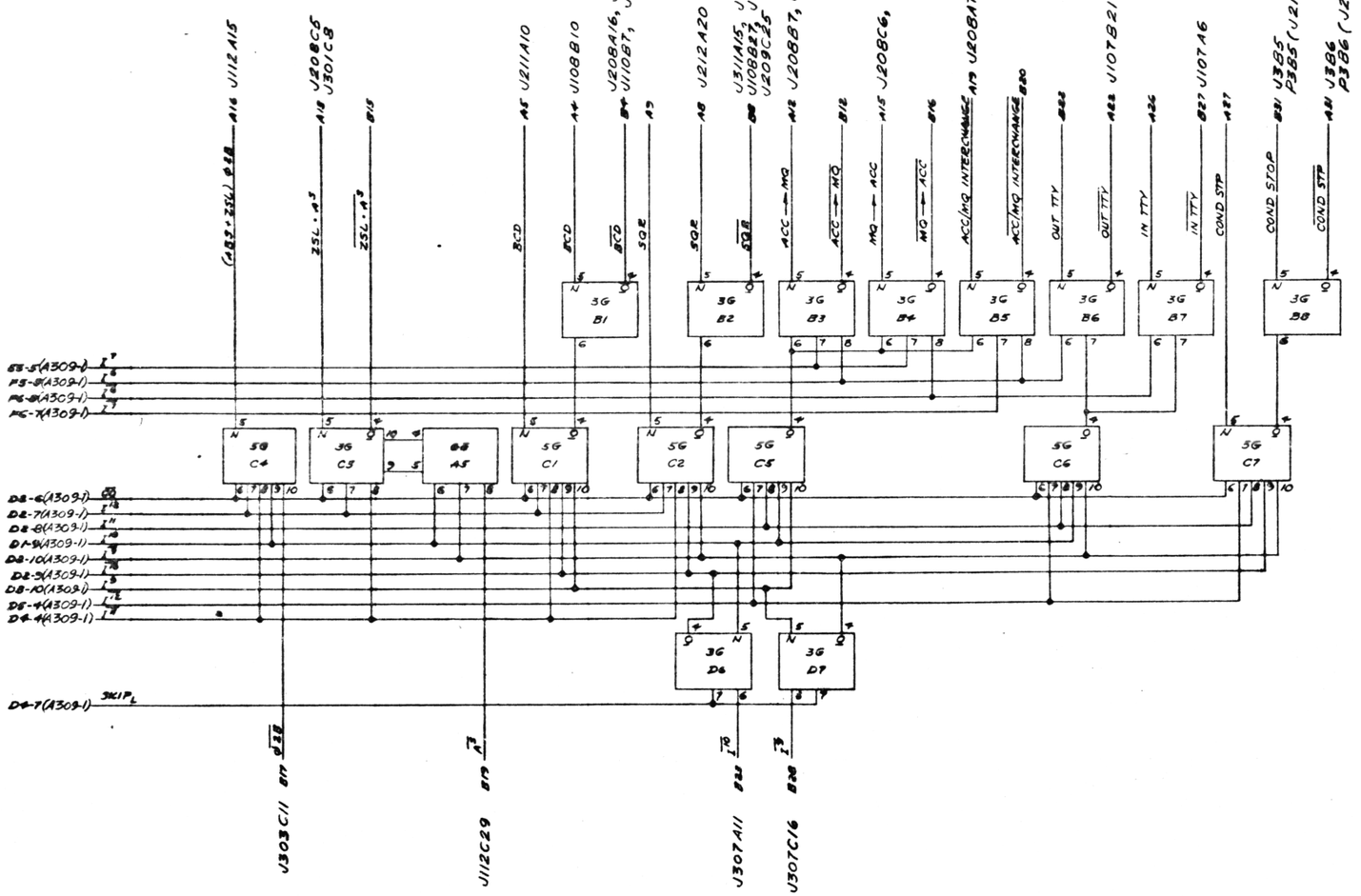
A309-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR W. H. Stephenson 9 25 67 DR CHK J. Harvey 10 9 67 DESGN CHK B. Settle 10-10-67 MFG. CHK PROJ. APPD W. Anderson 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM- INSTRUCTION (SUBCODED) DECODER
		SIZE D | CODE IDENT NO. 36378 | DWG. NO. B688040E
		SCALE NONE | SHEET 93

6-7264	
NEXT ASSY	USED ON

FORM NO. P-1474-68

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E
A
[B688040E]

A309-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
~~2 PLACE ± .09 ANGULAR ±~~
~~3 PLACE ± .010 FRACTIONAL ±~~
~~HOLE DIA. TOL. PER SHOP STD.~~
MFR. TO LINK STDS.
MATL
FINISH

DR	M. A. Lafrance	9-25-67
DR CHK	J. Kenney	11-9-67
DESIGN CHK	[illegible]	10-11-67
MFG. CHK		
PROJ. APPD	[illegible]	10/11/67

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

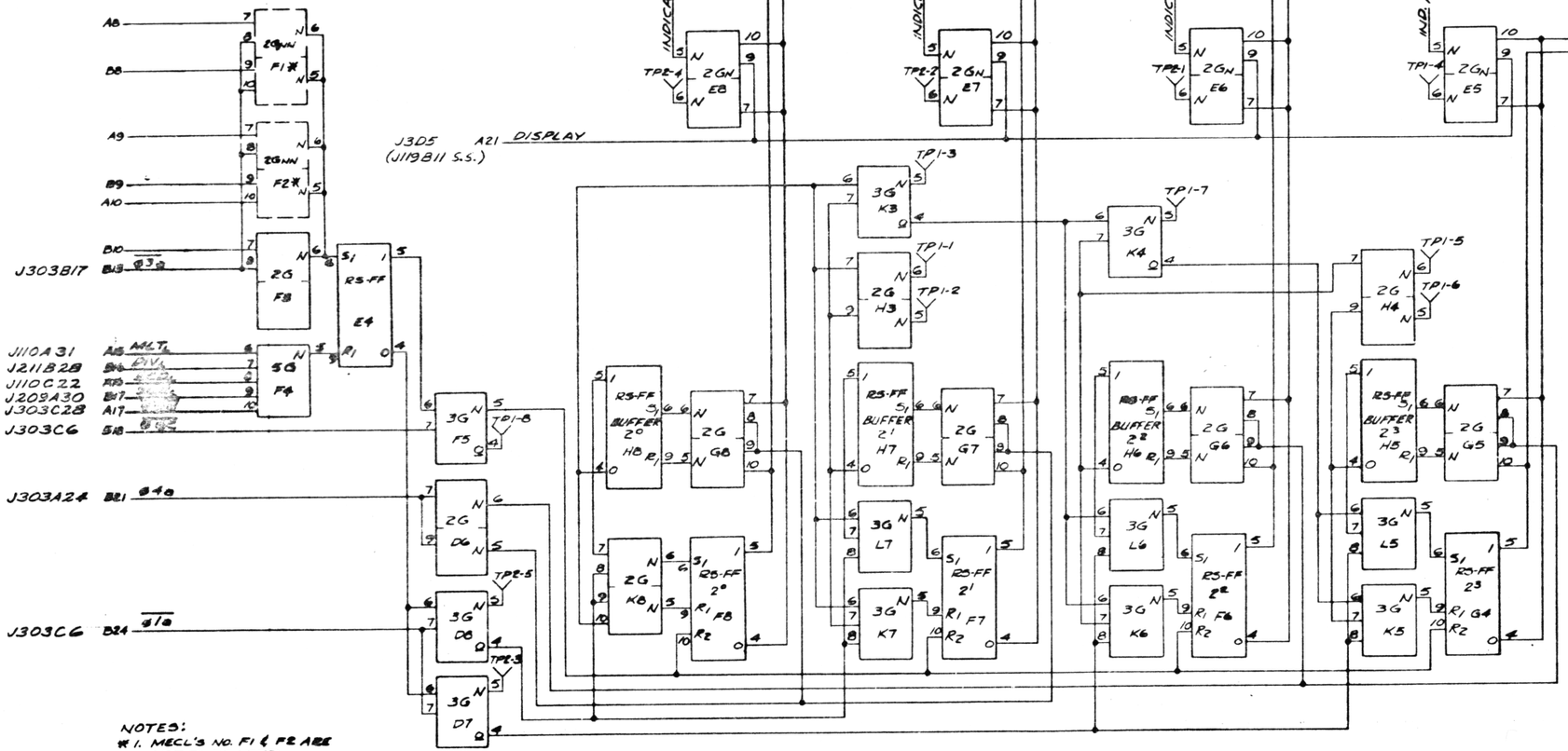
LOGIC DIAGRAM-
INSTRUCTION (SUBCODED)
DECODER

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE 1/1 NF | SHEET 9A

NEXT ASSY	USED ON
687284	AIF371-19

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



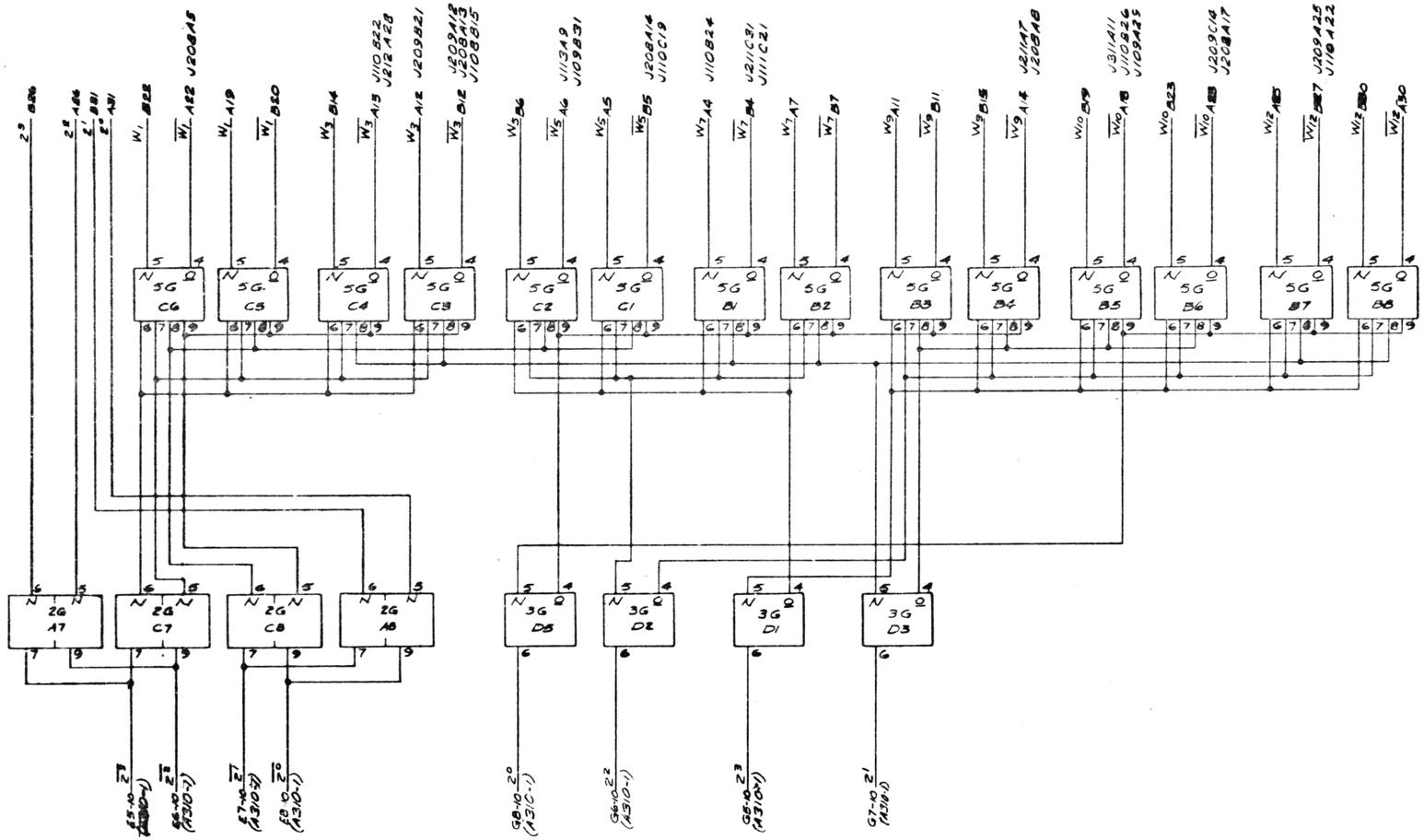
B688040E

A310-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR [illegible] 4-25-67 DR CHK [illegible] 4-9-67 DESGN CHK [illegible] 4-10-67 MFG. CHK PROJ. APPD [illegible] 4/14/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK LOGIC DIAGRAM MULTI-CELL INST. COUNTER SIZE D · CODE IDENT NO 36378 · DWG. NO. B688040E SCALE · SHEET 95

A310-1	A1F310-19
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

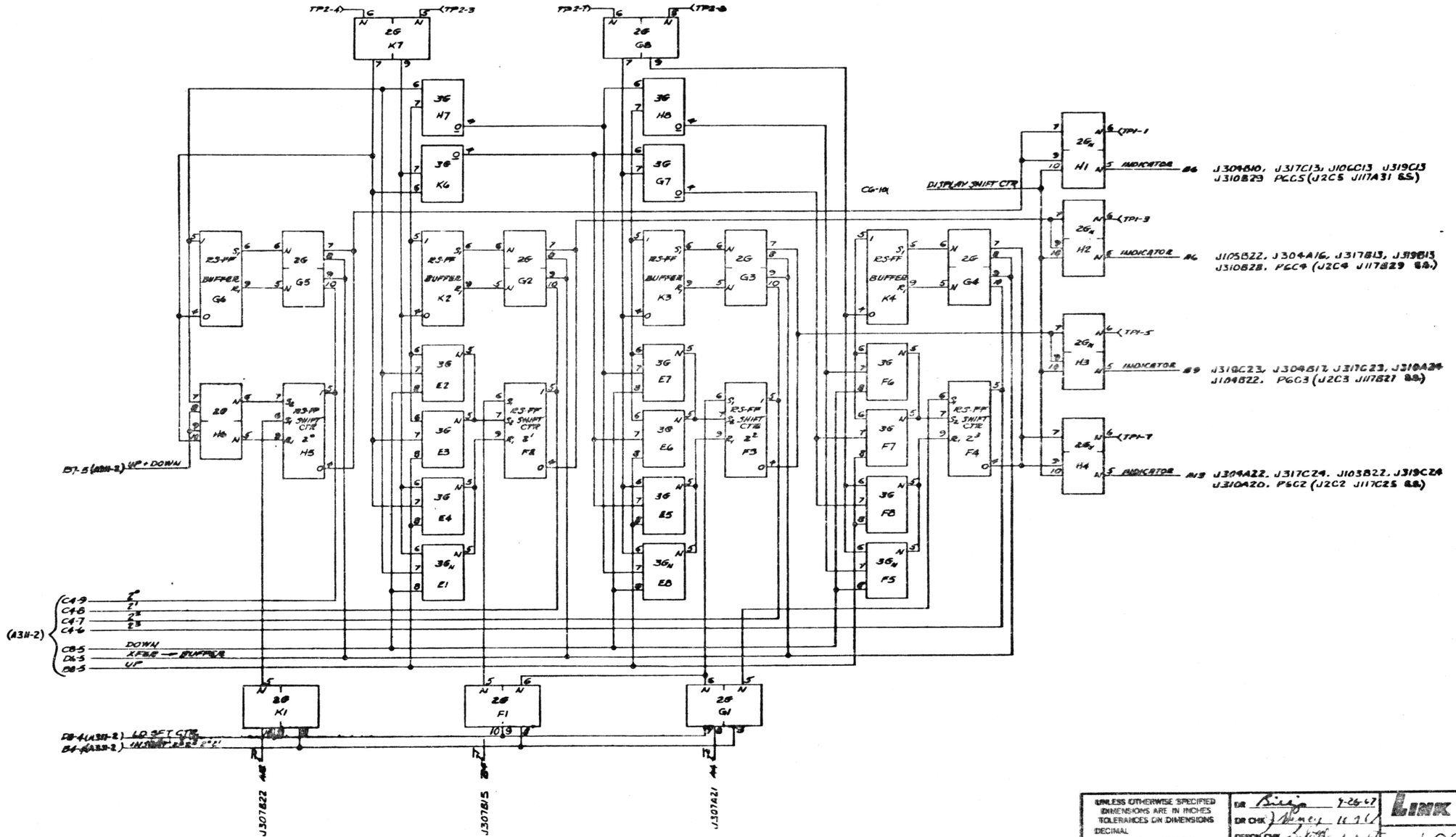
A310-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR Humphreys 1-15-67 DR CHK [illegible] 10-9-67 DESGN CHK [illegible] 10-10-67 MFG. CHK PROJ. APPD [illegible] 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK LOGIC DIAGRAM MULTI-CELL INST. COUNTER SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E SCALE · SHEET 96

NEXT ASSY	USED ON
[illegible]	[illegible]

FORM 340 F-1474-48

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

A311-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL. PER SHOP STDS	DR Bingo 9-26-67 DR CHK Money 10-9-67 DESIGN CHK Smith 10-10-67 MFG. CHK PROJ. APPD Hamilton 10-10-67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MFR. TO LINK STDS. MATL FINISH		LOGIC DIAGRAM SHIFT NORMALIZING DE-NORMALIZING COUNTER
		SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E · SCALE · SHEET 97

B687206	A4F370-T9
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

J305C20 B9

DISPLAY SHIFT CTR
J303 A2E (J119 B23 S.S.)

TP1-1 TP1-2

J302B21 B5 $\overline{BC}$
J302A11 A5B $\overline{BC}$
J309A10 B10 QQQE
A10
J209B30 B11 NAQ
J310A18 A11 NAQ
J303C29 B18 ϕEC
J209C31 A26 J23 NQAM
J302A17 A25 $\overline{\phi EC}$

J30388 B13 $\overline{\phi IB}$

J30988 A15 $\overline{SQR}$
J305C24 B15 A≠0
J303C8 B7 ϕIC

3G D5 · 3G B3 · 3G C3 · 3G C1 · 3G C4 · 3G D3 · 3G B4

BS-FF S2 SET LOCK D2 · 2G C7 · 2G D7 · 2G D7

3G D4 · 3G B5 · 3G C5 · 3G C6 · 3G C8 · 3G D6 · 3G B7 · 3G B8

$\overline{SPT_L}$ A16 J112C14 , J110A19
$\overline{SPT_L}$ B16 J109C5
$\overline{SPT_L}$ B19 J21188
$\overline{SPT_L}$ B20
DISPLAY SHIFT CTR H1-10 (A311-1)
TP2-10
IND/CNTR B22 J317A27, J30489, J319A27 J201B22, J113A8, P689 (J289 J117C15 S.S.)
TP2-6
TP2-9
UP + DOWN H6-9 (A311-1)
TP2-2
TP2-8

2° H8-5
2T P2-5
2S P3-5
2S P4-5
(A311-1)

DOWN K*BR → BUFFER E1-8 B5-9
UP E4-8

TP1-6

LD BFF CTR K1-9 (A311-1)
INSERT 8 4 2 1 K1-7 (A311-1)

B6880406 B [B6880406]

A311-2

687306	A/F37U-T9		
NEXT ASSY	USED ON		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR ±
3 PLACE ± .010 FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR 9-26-67
DR CHK 10-9-67
DESIGN CHK 10-10-67
MFG. CHK
PROJ. APPD 10/11/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM— SHIFT NORMALIZING DE-NORMALIZING COUNTER

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B6880406

SCALE SHEET 98

FORM NO. F-1474-49

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

J307B4 B29 $\overline{I^{16}}$ 6 3G C8 5 I^{16}

J210B31 BK START

5G E8 — BST A19 J314A24, J313A24

BLD C2-6 (A312-2)

J304B15 B8 SKP

J307B5 B24 $\overline{I^{17}}$

J307C6 A24 $\overline{I^{16}}$

3G K6 — $\overline{I^{17}}$, $\overline{I^{16}}$

J307C8 B30 $\overline{I^{15}}$ 3G K7

J307C7 A30 $\overline{I^{13}}$ 3G K8

J308B27 AG $\overline{I^{12}}$

J307A10 B5 $\overline{I^{12}}$

J307A9 A27 $\overline{I^{11}}$ 2G F8

J307C16 A23 $\overline{I^{9}}$

J307A11 A5 $\overline{I^{10}}$

-5.2V Vbb Vbb

J303C10 A31 B28 2G K4

SKIP I^{17}, I^{16} I^{15}

(B3-6 (B312-2)

5G G4, 5G B2, 5G B1, 5G C1

3G H7, 3G E1, 3G F1, 3G K4, 3G K5, 3G N8

2G H5 — $\overline{CM^{15}}$

RS-FF A8 BUFFER H6 R1

2G K5, 2G G1, 3G K1, 3G K3

RS-FF N8 F5

3G G3

J305A18 B17 A_8 SET

J305C17 B16 A_8 RESET

J301B17 A4 SET AB

J301A9 B11 RESET AB

BE B3, J209A23, J311A28, J302A17

P5-A2 (CM I/O J104-C30)

P5-B2 (CM I/O J104-C31)

P1-A1 (CM I/O J104-A23)

P1 B1 (CM I/O J104-A22)

J305B4, J301B13

J305A5, J301A14

P6C6 (J226, J219, J115.5.)

J301A19

BST A19, $\overline{BST}$ B19, BST·A_8 B20, $\overline{BST}$·A_8 A20, A_8 A12, $\overline{A_8}$ A11

TP1-5 INDICATOR B12, TP1-4 INDICATOR B10

3G G5, 3G H4, 3G H3, 2G H2, 2G H1

A_8 D2-10, $\overline{A_8}$ D2-7 (A312-2)

3G G6, 3G G7, 3G E7, 3G F7

3G G8, 3G K2, 3G D7

NOTE:
1. ALL CAPACITORS ARE .01 UF 50V, +80%, -20%, LMN54987

J303C13 A8 $\overline{I^{2}}$ $\overline{I^{1}}$ DI-6 (A312-2)

J307A30 B25 I^{2} I^{1} B ADDRESS

J313A20 A26 M^{2} M^{1} J314A20 B27 M^{3} M^{4}

47 DISPLAY A_8 IN

J307B20 A25 I^{3} B ADDRESS

Rev 1 - 7/14/65

I^{1} I^{0} SALV 3 C7-5

I^{1} I^{0} SALV 2 F6-5

I^{1} I^{0} SALV 0 + I^{1} I^{0} SALV 1 E3-5

(A312-2)

12
15 11 7 5 2
17 14 10 7 4 1
16 13 9 6 3 0

34

B688040E A

B688040E

A312-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR	9-25-67
MFR. TO LINK STDS.	DR CHK	10-9-67
MATL	DESIGN CHK	10-16-67
FINISH	MFG. CHK	
	PROJ. APPD	10/19/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM - BOOLEAN ARITHMETIC

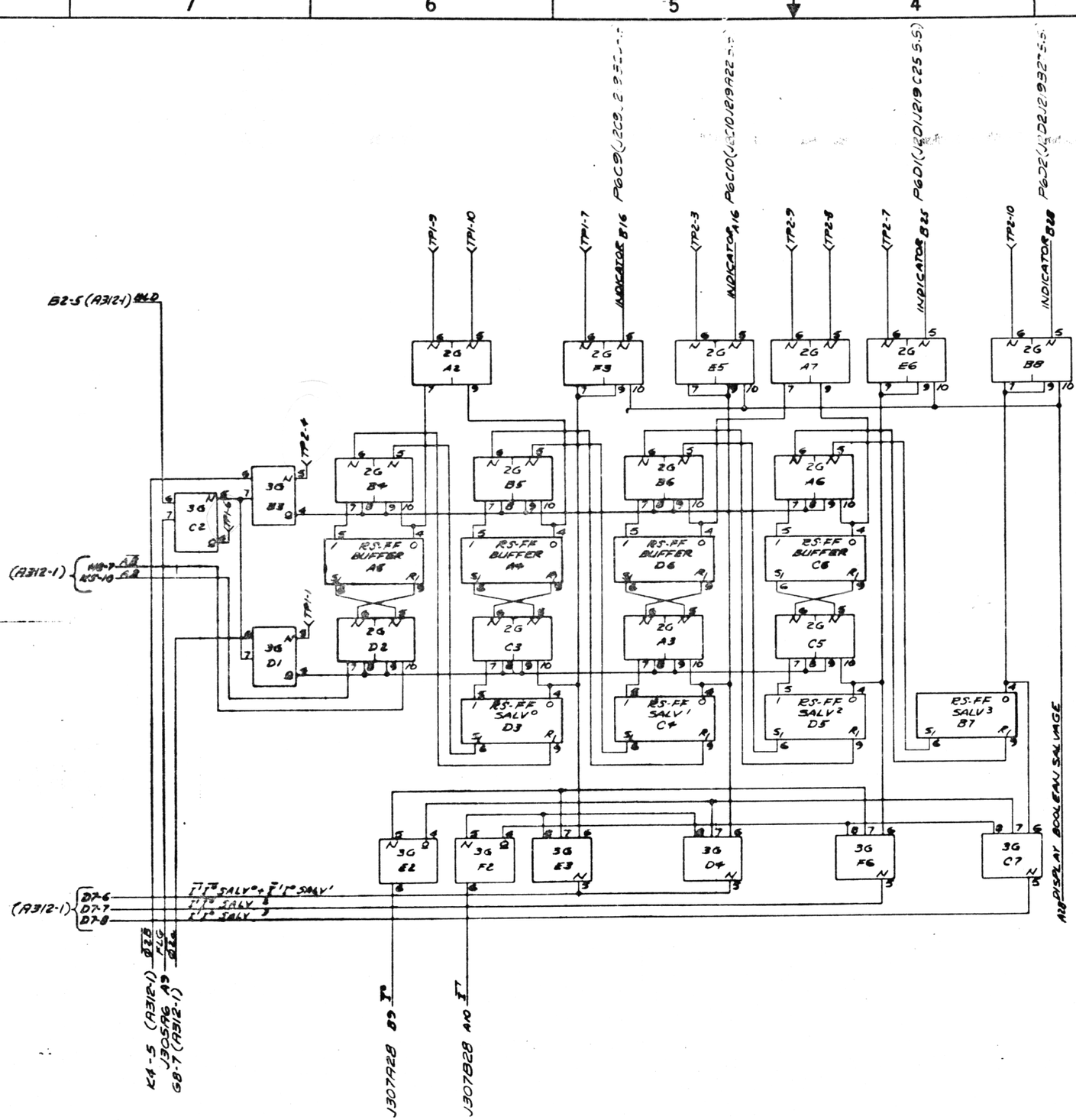
NEXT ASSY	USED ON
C-5731C	A-5710-10

SIZE	CODE IDENT NO	DWG. NO
D	36378	B688040E

SCALE | SHEET 93

FORM NO. F-1674-66

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

[B688040E]

A312-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS
DECIMAL
~~2 PLACE ± .03~~ ANGULAR ±
~~3 PLACE ± .010~~ FRACTIONAL ±
HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR		9-25-62
DR CHK		10-7-62
DESGN CHK		10-11-62
MFG. CHK		
PROJ. APPD		10/11/62

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM - BOOLEAN ARITHMETIC

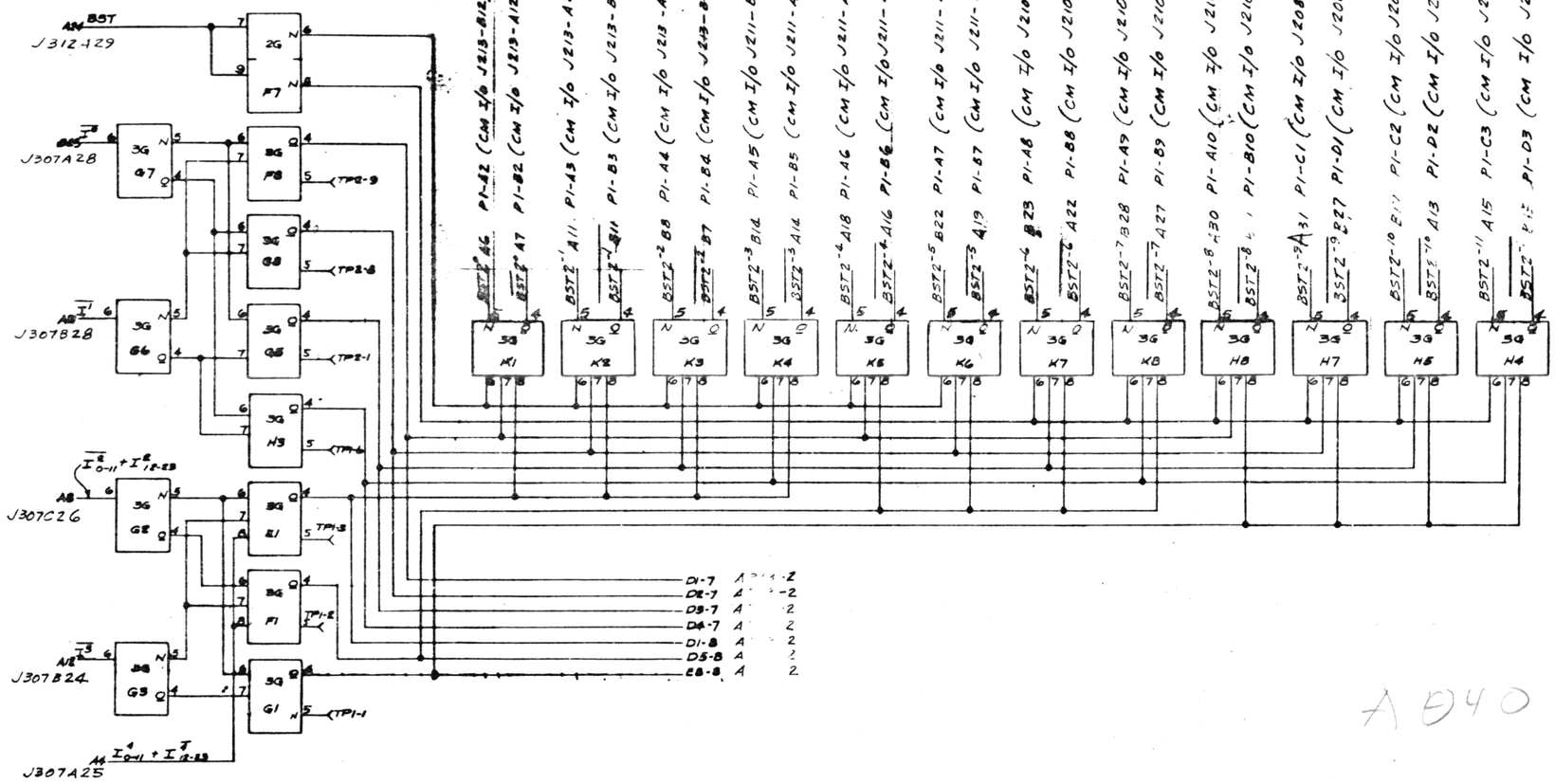
SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 100

657310	AF370-10
NEXT ASSY	USED ON

FORM NO. F-1474-49

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A

A040

A313-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	9-21-67
DR CHK	11-9-67
DESGN CHK	10-10-67
MFG. CHK	
PROJ. APPD	10/19/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM BOOLEAN GATING

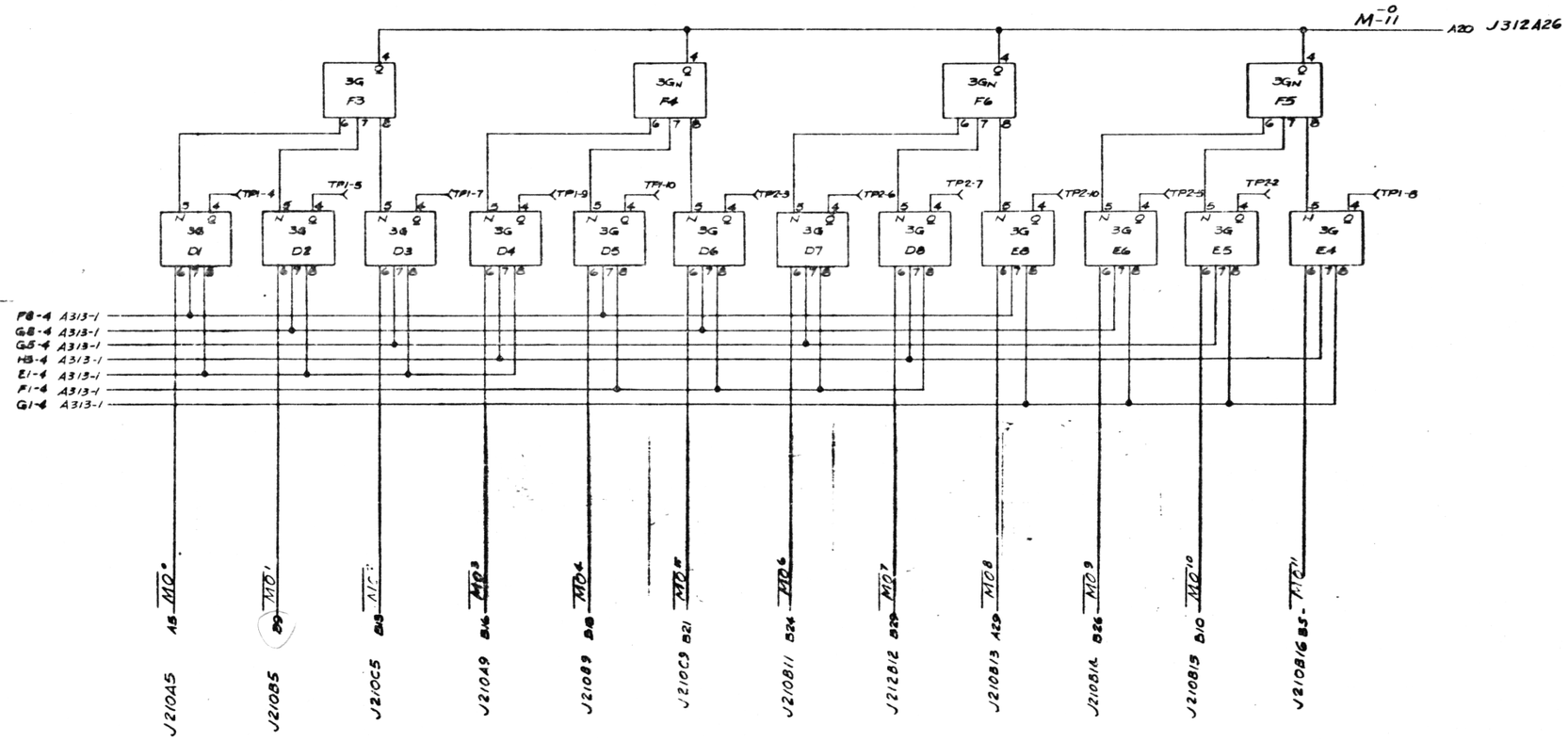
SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 101

NEXT ASSY	USED ON

FORM NO. F 1474-08

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E
A
[B688040E]

A313-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	Pat Collins	9/3/67
DR CHK	J Henry	10-9-67
DESGN CHK	L Lotte	10-10-67
MFG. CHK		
PROJ. APPD	R L Anderson	10/10/67

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM
BOOLEAN GATING

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE — SHEET 102

B1312	
NEXT ASSY	USED ON

FORM 96 F 1674-48

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

J312429 AM BST

J307428 B6 F3

J307828 A8 F7

J307826 A8 $\overline{I^{8}_{0-11}} + I^{9}_{E-EB}$

J307824 A8 $\overline{T^{3}}$

J307C24 A4 $I^{1}_{0-11} + I^{7}_{E-EB}$

2G F7

3G G7 — TP2-9

3G G8 — TP2-8

3G G6 — 3G G5 — TP2-1

3G H3 — TP1-6

3G G2 — 3G E1 — TP1-3

3G G2 — 3G F1 — TP1-2

3G G5 — 3G G1 — TP1-1

$\overline{BST2}^{-20}$ A6	P1-E3 (CM I/O J204-A2)	$\overline{BST2}^{-21}$ A11	P1-E5 (CM I/O J202-B2)
$\overline{BST2}^{-20}$ A7	P1-E4 (CM I/O J204-B2)	$\overline{BST2}^{-21}$ B11	P1-E6 (CM I/O J202-A2)
$\overline{BST2}^{-22}$ B8	P1-E7 (CM I/O J202-A22)	$\overline{BST2}^{-23}$ B14	P1-E9 (CM I/O J202-A29)
$\overline{BST2}^{-22}$ B7	P1-E8 (CM I/O J202-B22)	$\overline{BST2}^{-23}$ A14	P1-E10 (CM I/O 202-B29)
$\overline{BST2}^{-16}$ A10	P1-C8 (CM I/O J205-A22)	$\overline{BST2}^{-17}$ B22	P1-C9 (CM I/O J205-A29)
$\overline{BST2}^{-16}$ A6	P1-D8 (CM I/O J205-B22)	$\overline{BST2}^{-17}$ A19	P1-D9 (CM I/O J205-B29)
$\overline{BST2}^{-18}$ B23	P1-C10 (CM I/O J204-B12)	$\overline{BST2}^{-19}$ B18	P1-E1 (CM I/O J204-A22)
$\overline{BST2}^{-18}$ A22	P1-D10 (CM I/O J204A12)	$\overline{BST2}^{-19}$ A18	P1-E2 (CM I/O J204-B22)
$\overline{BST2}^{-12}$ A30	P1-C4 (CM I/O J207-B12)	$\overline{BST2}^{-13}$ A31	P1-C5 (CM I/O J207-A22)
$\overline{BST2}^{-12}$ B31	P1-D4 (CM I/O J207-A12)	$\overline{BST2}^{-13}$ B27	P1-D5 (CM I/O J207-B22)
$\overline{BST2}^{-14}$ B17	P1-C6 (CM I/O J207-A29)	$\overline{BST2}^{-15}$ A16	P1-C7 (CM I/O J209-B12)
$\overline{BST2}^{-14}$ A13	P1-D6 (CM I/O J207-B29)	$\overline{BST2}^{-15}$ B15	P1-D7 (CM I/O J205-A12)

D1-7 A314-2
D2-7 A314-2
D3-7 A314-2
D4-7 A314-2
D1-8 A314-2
D5-8 A314-2
D8-8 A314-2

B688040E

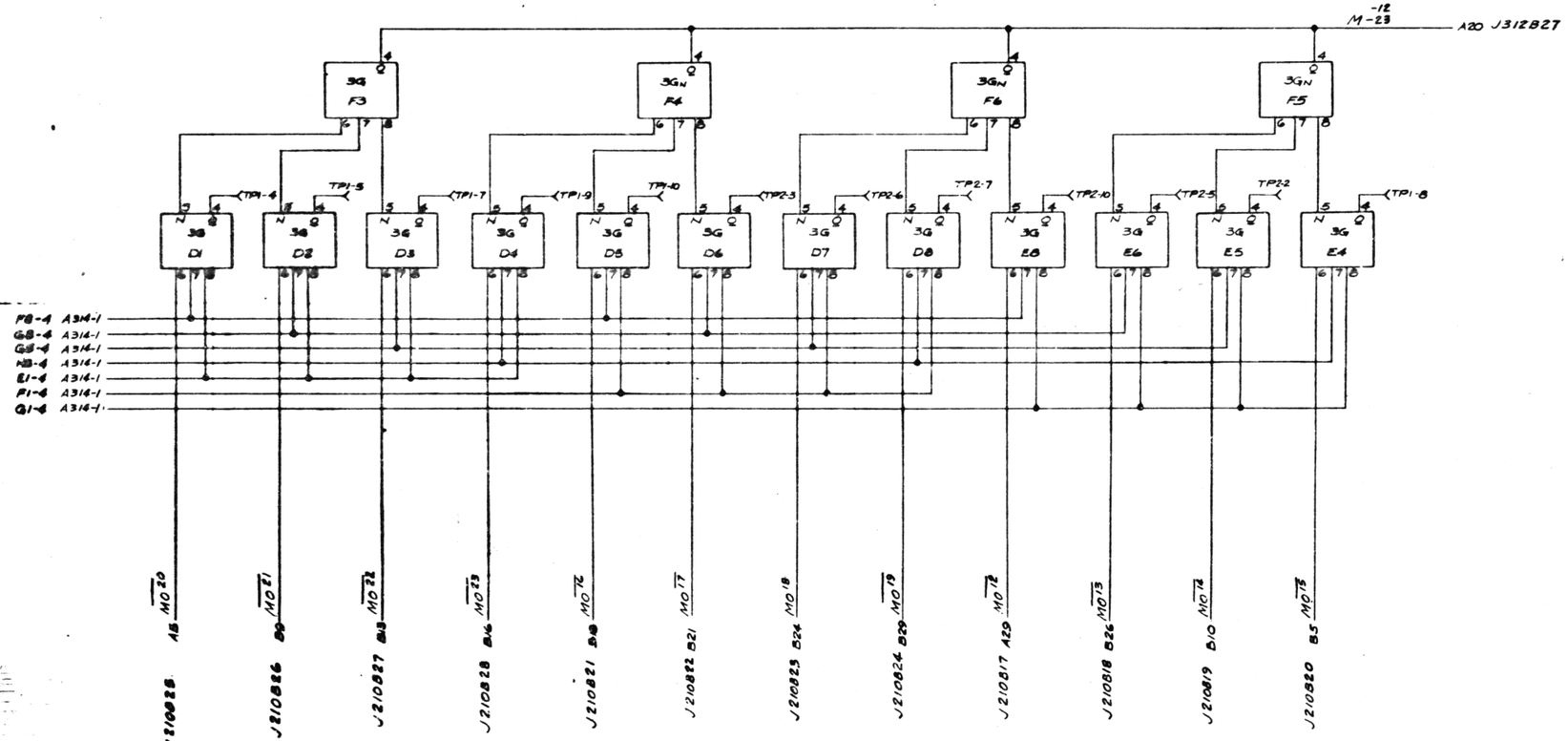
A314-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL ____ FINISH ____	DR W. Ulfers 3-28-67 DR CHK J. Jaques 11-9-67 DESIGN CHK [illegible] 10-10-67 MFG. CHK ____ PROJ APPD [illegible] 10/10/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM BOOLEAN GATING
		SIZE D · CODE IDENT NO 36378 · DWG NO B688040E · SCALE NONE · SHEET 103

687312E	AF370-79
NEXT ASSY	USED ON

FORM NO. F-1474-00

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



A314-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR R.D. Jeffers 7-28-67 DR CHK J. Hervey 10-9-67 DESGN CHK [illegible] 10-10-67 MFG CHK PROJ APPD W. L. Dunham 10/16/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK LOGIC DIAGRAM BOOLEAN GATING SIZE D · CODE IDENT NO. 36378 · DWG NO. B688040E SCALE NONE · SHEET 104

687312	V-37V-T9
NEXT ASSY	USED ON

B688040E
A

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

low should be set at DMA Count

2ms sync on 107-A2

A#B

A5

B

J317A17
J317B7
J318A17

CS1 GAUGE CTR $2^0+2^1+2^2+2^3$
A30 GAUGE CTR $2^4+2^5+2^6$
B30 GAUGE CTR $2^7+2^8+2^9$

3G N DB Q
3G N E7 Q
2G N E6
E5-FF
GAUGE LOCK
D4

J303C15 B21 E3C
P5-E (CM I/O J101-C5) B20 DMA-A PARITY ERROR RESET
J3C10 (J119B26SS.) C12 DISPLAY
J308A29 C21 DMA

2G N E6
DMA
D5

J301A4 A9

J301B26 B7 E2
J3E9 (P3A9-P6J-J1 I.C.P.) A7 PRIORITY LOCK OUT
A8

3G Q DI N
TP1-2

J307A24 C6 TRANSFERRED PRIORITY (1)
J301B23 B6 DAFG PRIORITY
J4A4 (P6A4-J11B6 WR) A6 C83

3G Q C1 N
TP1-1

J3B5 (LINKAGE I/O J106-A30) A18 DMA-A PRIORITY REQUEST
LINKAGE READY
120Ω 1/4W ±5% 938027
J3A5 (LINKAGE I/O J106-A28) B18 DMA-A PRIORITY REQUEST

DMA A BUSY P5-A4 (CM I/O J101-C2)
J11B32, J11C23, J30A28, J30B28, J30A18, J30B18, P6A8 (J11B6-A8)
XF-10 (A315-E)
J11C4, J11D30, J30B30, P6A7 (J11B6-A7)
J11B31 (P3B11 E 2-3)
J11B2 (P3B2 E 2-3)
J11B6-B8
J317A4, J317A19, J318A19

3G N 88 Q
(LINKAGE I/O J103-B4)
FALSE A29
J5B3 LINKAGE DMA-A INITIATE J5A3
TRUE B29
(LINKAGE I/O J103-A4)

2A N B6
LD GAUGE B23 J317C26, J317B11, J317C29, J318C29, J317C4, J318C26
HB-6 (A315-E)

3G N B7 Q
TRUE A26
FALSE B26
P5-B5 (CM I/O J112-C31) CLEAR DMA-A ADDR CTR
P5-A5 (CM I/O J112-A31)

2G N B6
5 USED TO ADVANCE R GAUGE CTR J317A9, J318A9
C22
HB-7 (A315-E)

3G N B5 Q
FALSE C10
TRUE C18
J5-B1 (LINKAGE I/O J106-A5) TO LINKAGE (A) (PRIORITY NOTIFY)
J5-A1 (LINKAGE I/O J106-C4)

3G N B1 Q
TRUE C5
FALSE B5
P8-A1 (CM I/O J112-C29) DMA ADDR A CTR ⇒ CM
P8-B1 (CM I/O J112-A29)

3G N B3 Q
TRUE B11
FALSE A11
P5-C2 (CM I/O J111-A26) LD DMA-A ADDR CTR
P5-D2 (CM I/O J111-C26)

2G N C7 N
3G N B2 Q
FALSE C8
TRUE B8
P5-B9 (CM I/O J111-A25) DMA ADDR CTR TRANSFER TO BUFFER
P5-A9 (CM I/O J111-C25)

2G N C6 N
3G N B4 Q
FALSE A15
TRUE C14
P5-D6 (CM I/O J111-C28) ADV DMA ADDR COUNTER
P5-C6 (CM I/O J111-A28)

3G N C5 Q
FALSE A17
TRUE B17
J3E3 (P3E3 J213-A13) PRIORITY LOCK
J3E4 (P3E4 J213-A?)

3G N C2 Q
TP1-5

3G Q C9 N
TP1-10

3G Q C3 N
3G Q C4 N

3G N E5
3G N C8 Q

2G N E3
2G N D5
5G Q Z4

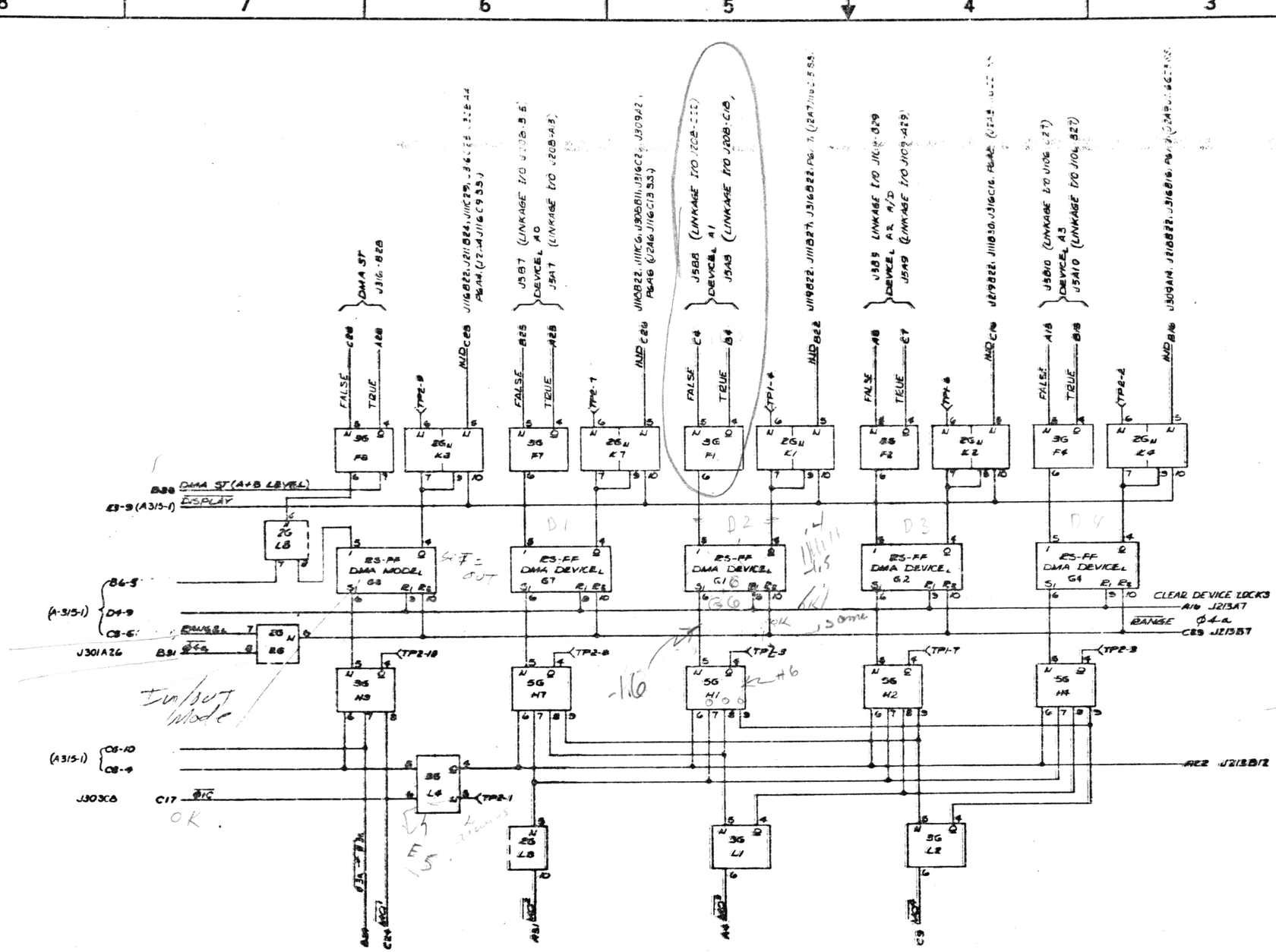
B19 J301A10
C10 B5 J303A16
C15 A10 J210A5
B16 A10 J210B5
B4 A10 J210A4
C30 A10 J301A26
C17 A10 J301A10
B7 A10 J301A11
A7 C34 J301A11
C14 C34 J301A25
MS-7 (A315-E)

B688040E

A315-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR J.B. Price 9-29-67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MFR. TO LINK STDS.	DR CHK [illegible] 10-9-67	LOGIC DIAGRAM DMA-A PRIORITY LOGIC & DEVICE SELECT
MATL	DESGN CHK [illegible] 10-10-67	SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E
FINISH	MFG. CHK	SCALE NONE · SHEET 105
USED ON NEXT ASSY	PROJ. APPD	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	9-29-67
DR CHK	
DESIGN CHK	10-10-67
MFG. CHK	
PROJ. APPD	11/1/67

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM
DMA-A-PRIORITY LOGIC & DEVICE SELECT

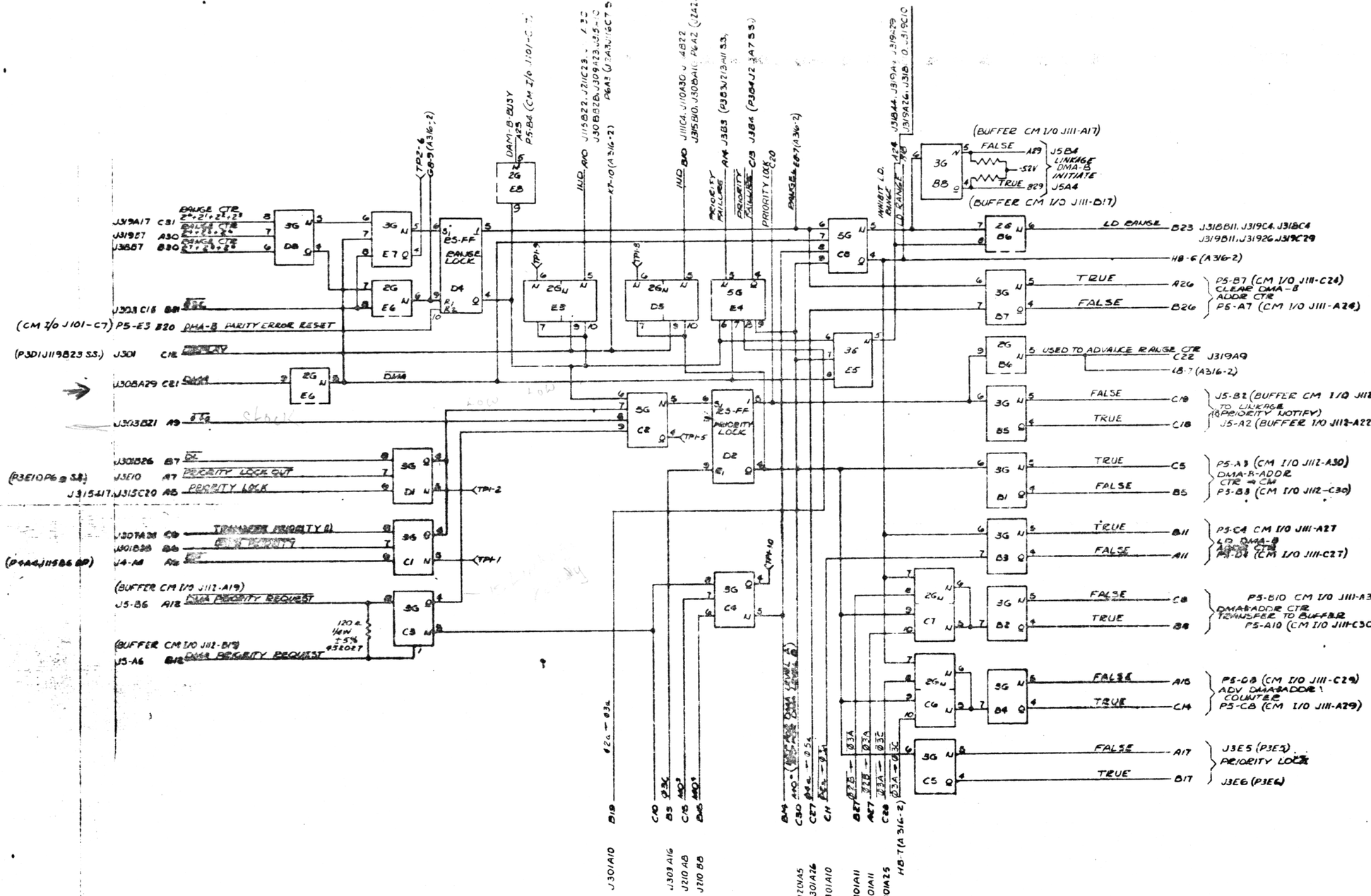
SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 106

NEXT ASSY	USED ON
687276	All 3/10

687276

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A316-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.	DR T. BRYCE 9/28/67
REF. TO LINK STDS.	DR CHK J. Kenney 10-4-67
MATL	DESIGN CHK B. Gatto 10/10/67
FINISH	MFG. CHK
	PROJ. APPD. [illegible] 10/10/67

LINK AVIATION SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

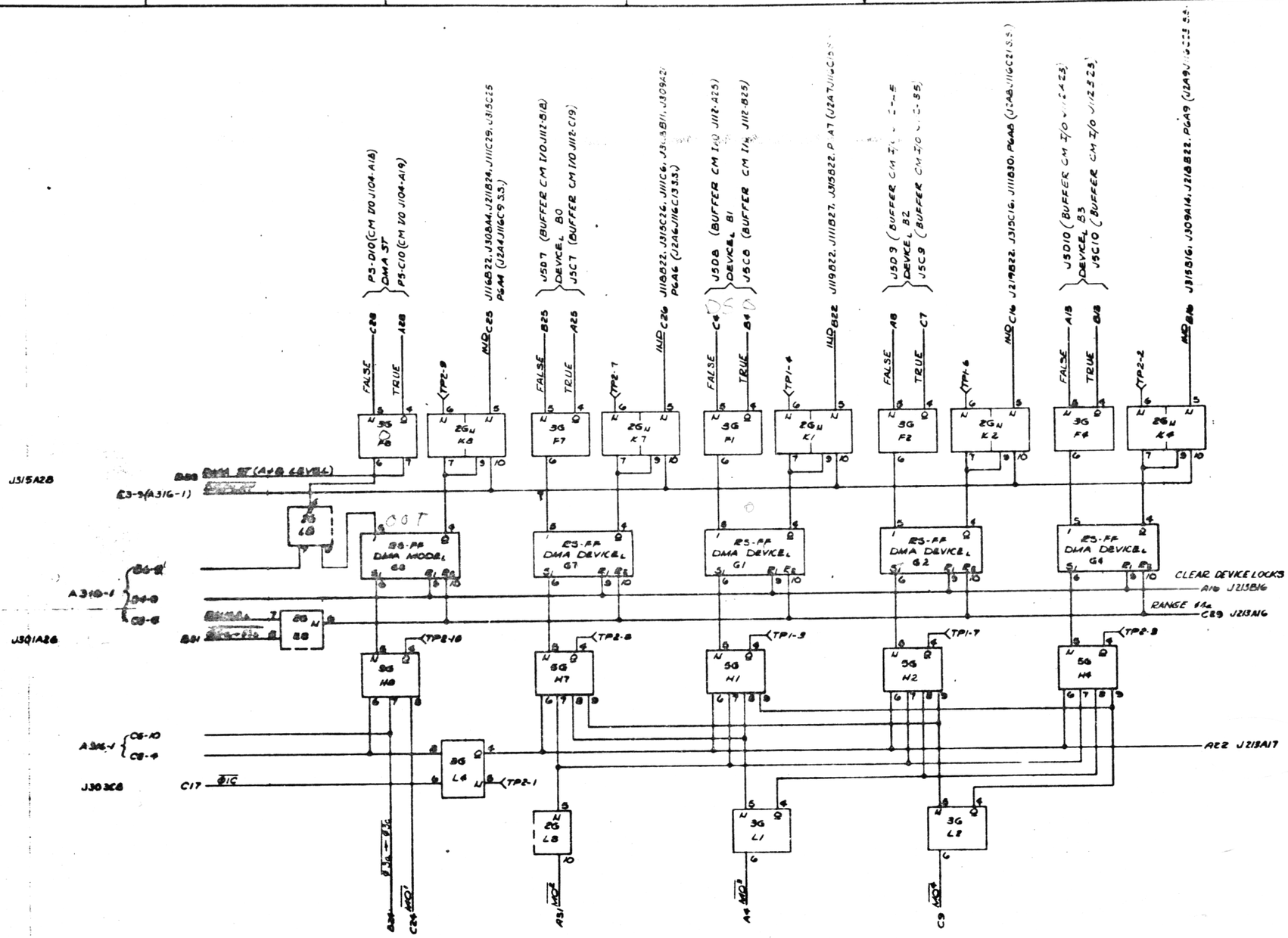
DMA-B-PRIORITY LOGIC & DEVICE SELECT

SIZE	CODE IDENT NO	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 107

681276	AIF 310-T9
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS	DR T Burke 2-20-67
MFR TO LINK STDS	DR CHK J Mowry 10-9-67
MATL	DESIGN CHK L Bates 10-10-67
FINISH	MFG CHK
	PROJ APPD R L Anderson 10/10/67

NEXT ASSY	USED ON
6B72 16	MF 370 T9

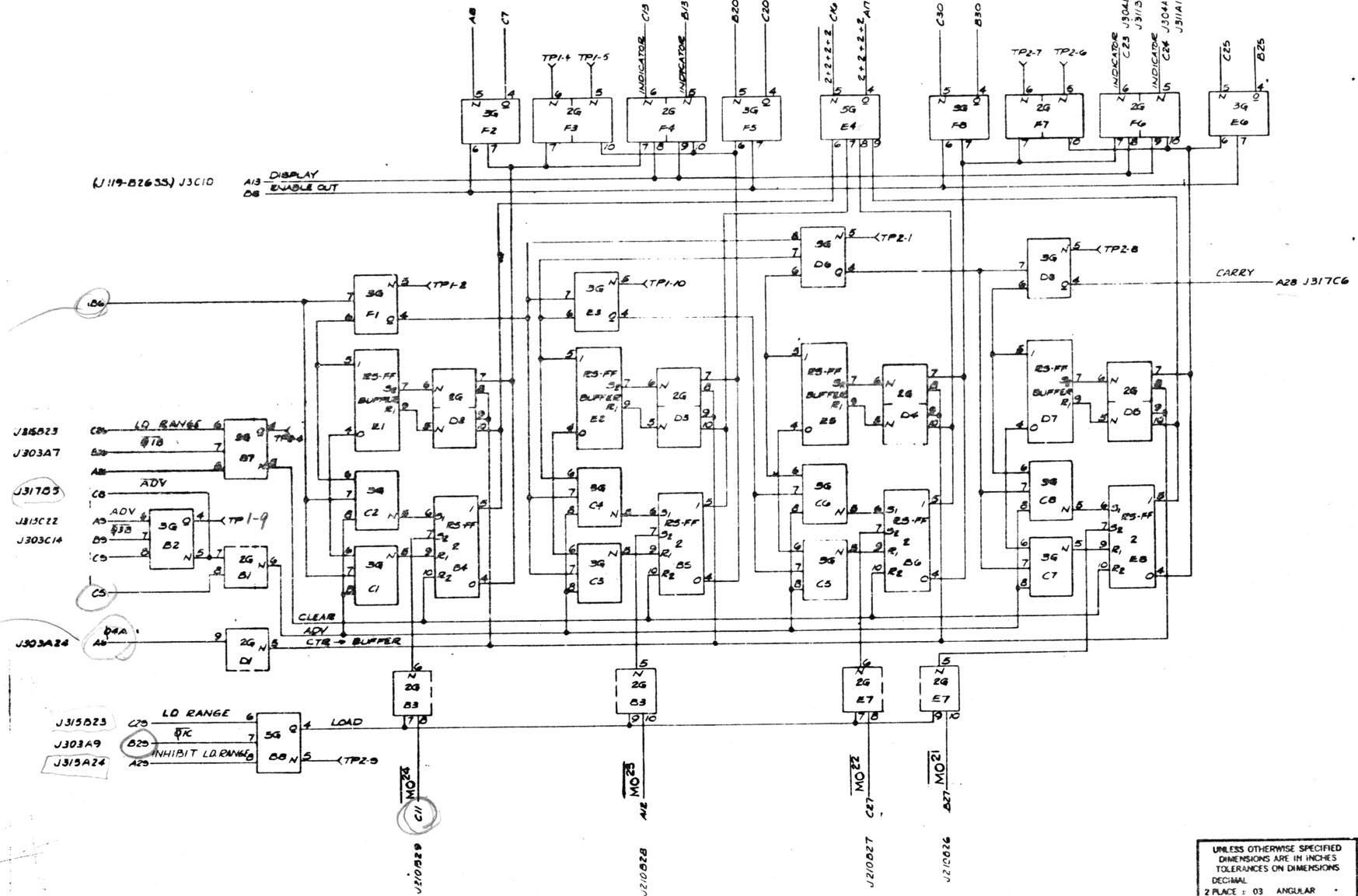
LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

LOGIC DIAGRAM-
DMA-B-PRIORITY LOGIC & DEVICE SELECT

SIZE	CODE IDENT NO.	DWG NO.
D	36378	B688040E

SCALE NONE | SHEET 10F

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A-317-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA TOL PER SHOP STDS	DR I. BRUCE 9-28-67
MFR TO LINK STDS	DR CHK J. Haggerty 10-10-67
MATL	DESGN CHK D. Stella 10-11-67
FINISH	MFG CHK
	PROJ APPD H. K. Anderson

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM
7 BIT SPLIT (DOWN) COUNTER

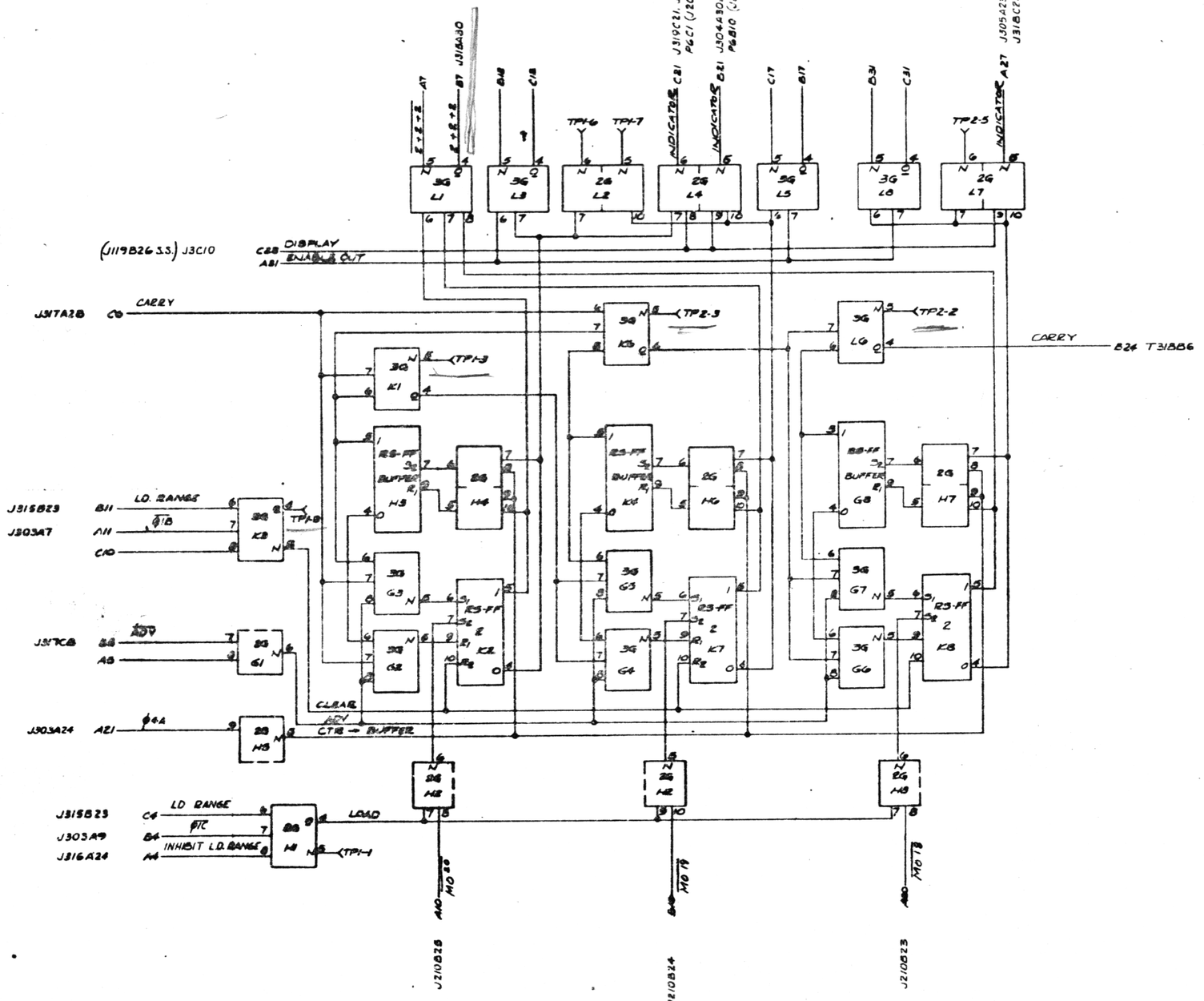
SIZE	CODE IDENT NO	DWG NO
D	36378	B688040E

SCALE NONE SHEET 109

LAST ASSY	NEXT ASSY	USED ON
		AIF 317 T9

FORM 180 F-1474-49

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



A317-2

B688040E

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS	DR T.BRUCE 10-9-67
MFR. TO LINK STDS	DR CHK J. Harvey 10-9-67
MATL	DESIGN CHK L. Bertolo 10-10-67
FINISH	MFG. CHK
	PROJ. APPD J. L. Anderson 10/10/67

LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM
7 BIT SPLIT (DOWN) COUNTER

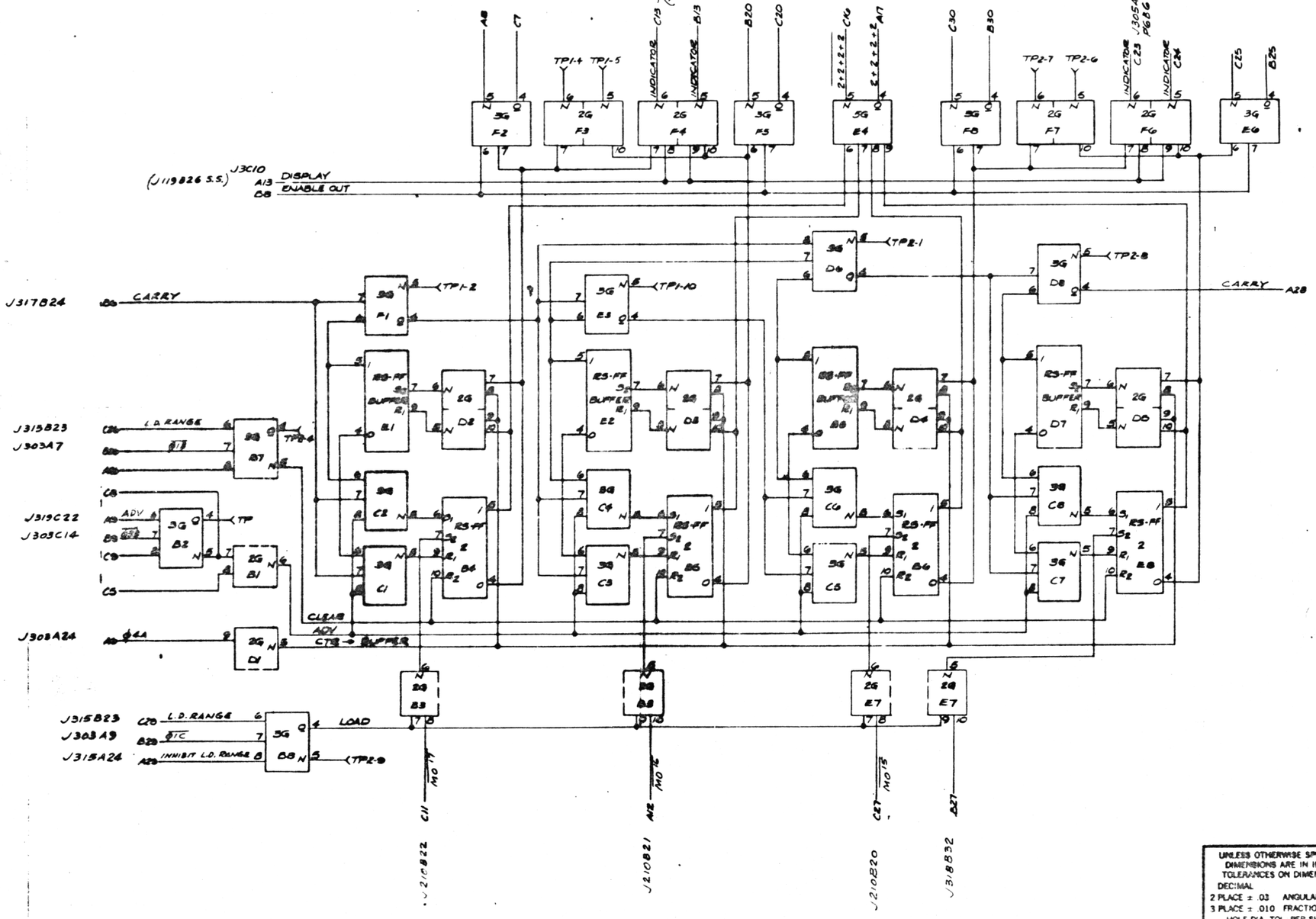
SIZE	CODE IDENT NO	DWG. NO.
D	36378	B688040E

SCALE NONE SHEET 1/0

NEXT ASSY	USED ON
B7278	B/F B1070

8 7 6 5 4 3 2 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E

A318-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS
DECIMAL
2 PLACE ± .03 ANGULAR +
3 PLACE ± .010 FRACTIONAL +
HOLE DIA TOL PER SHOP STDS.
MFR TO LINK STDS
MATL
FINISH

DR	P McClure	9-27-67
DR CHK	J Hurey	10-9-67
DESGN CHK	L Steele	10-10-67
MFG. CHK		
PROJ APPD	F Anderson	10/12/67

LINK GROUP, GENERAL PRECISION, INC. BINGHAMTON, NEW YORK

LOGIC DIAGRAM 7 BIT SPLIT (DOWN) COUNTER

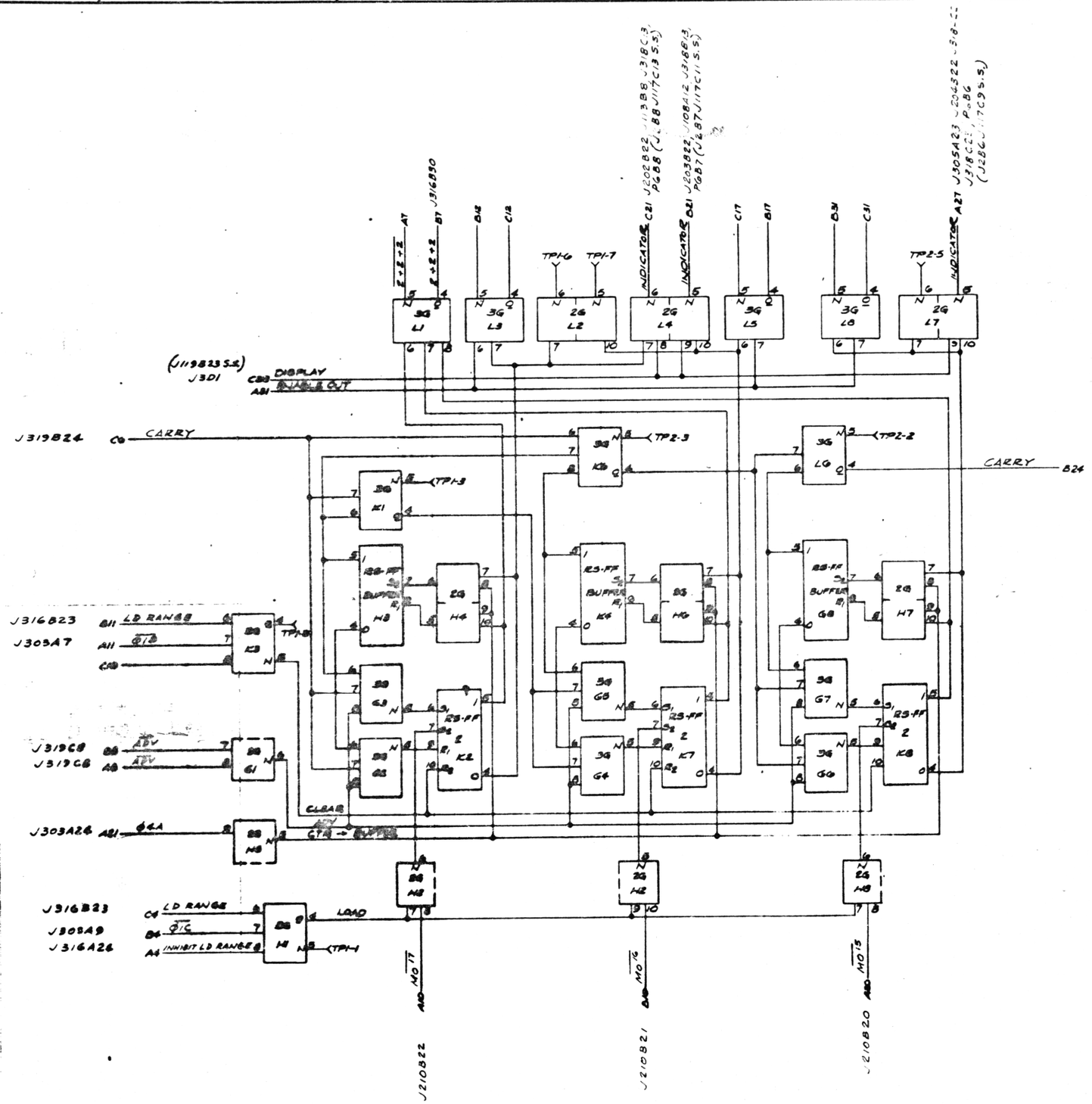
SIZE	CODE IDENT NO	DWG. NO
D	36378	B688040E

SCALE NONE SHEET 111

NEXT ASSY	USED ON

FORM 360 P-1474-10

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE	APPROVED



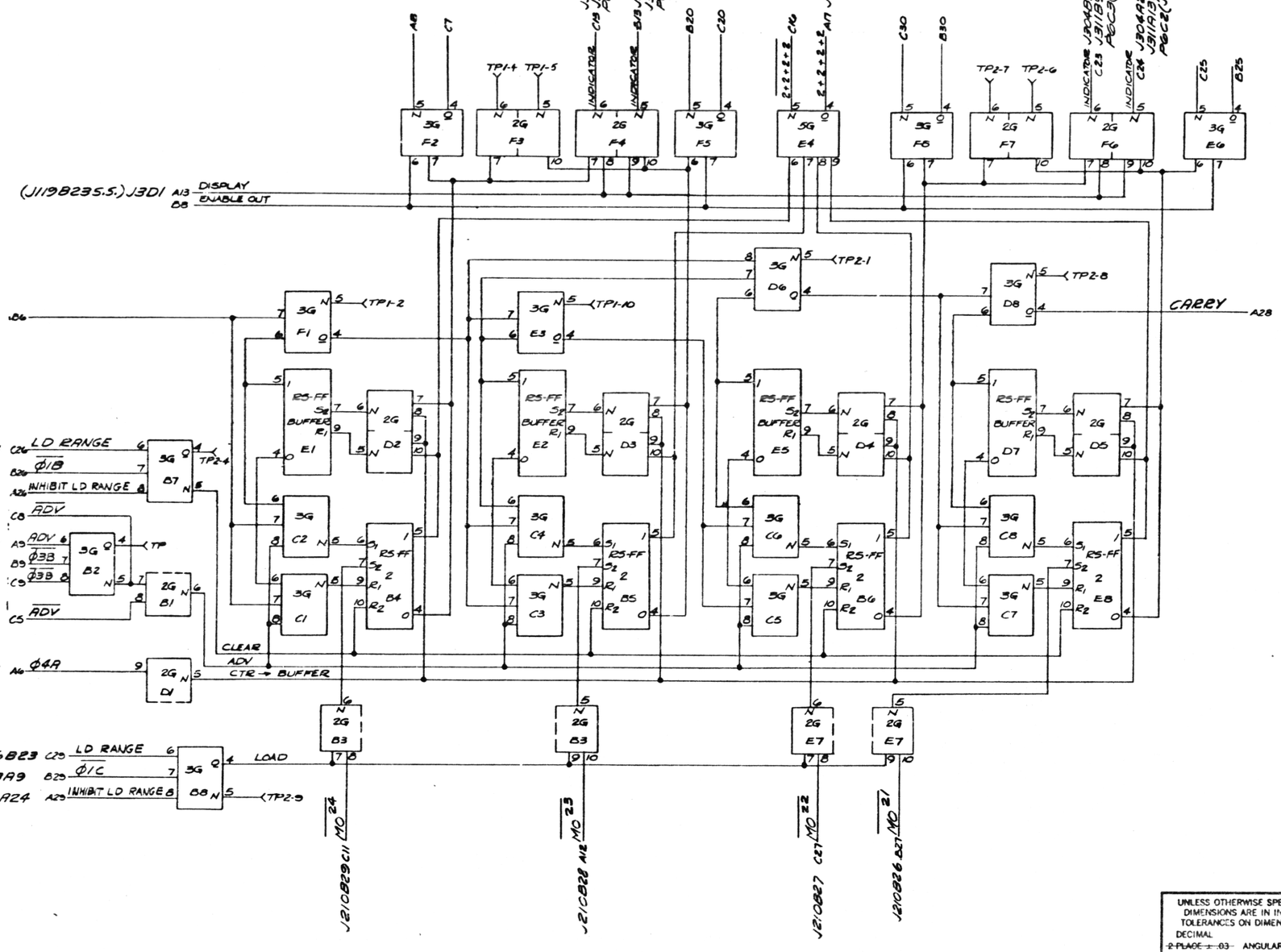
B6880408

A318-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ± .03 ANGULAR ± 3 PLACE ± .010 FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS	DR Bzolefire 9.28.67	LINK GROUP, INTERNATIONAL BUSINESS MACHINES CORPORATION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
MFR. TO LINK STDS.	DR CHK J. Newey 10.9.67	LOGIC DIAGRAM 7 BIT SPLIT (DOWN) COUNTER
MATL	DESGN CHK [illegible] 10-10-67	SIZE D · CODE IDENT NO 36378 · DWG. NO. B6880408
FINISH	MFG. CHK	SCALE NONE · SHEET 1/2
	PROJ. APPD [illegible] 10/10/67	

687278	AE570-79
NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E A

B688040E

A319-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL ~~2 PLACE ± .03~~ ANGULAR ± ~~3 PLACE ± .010~~ FRACTIONAL ± HOLE DIA. TOL. PER SHOP STDS.
MFR. TO LINK STDS.
MATL
FINISH

DR	9-28-67
DR CHK	10-7-67
DESIGN CHK	11-10-67
MFG. CHK	
PROJ. APPD	

LINK GROUP, SYSTEMS DIVISION
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

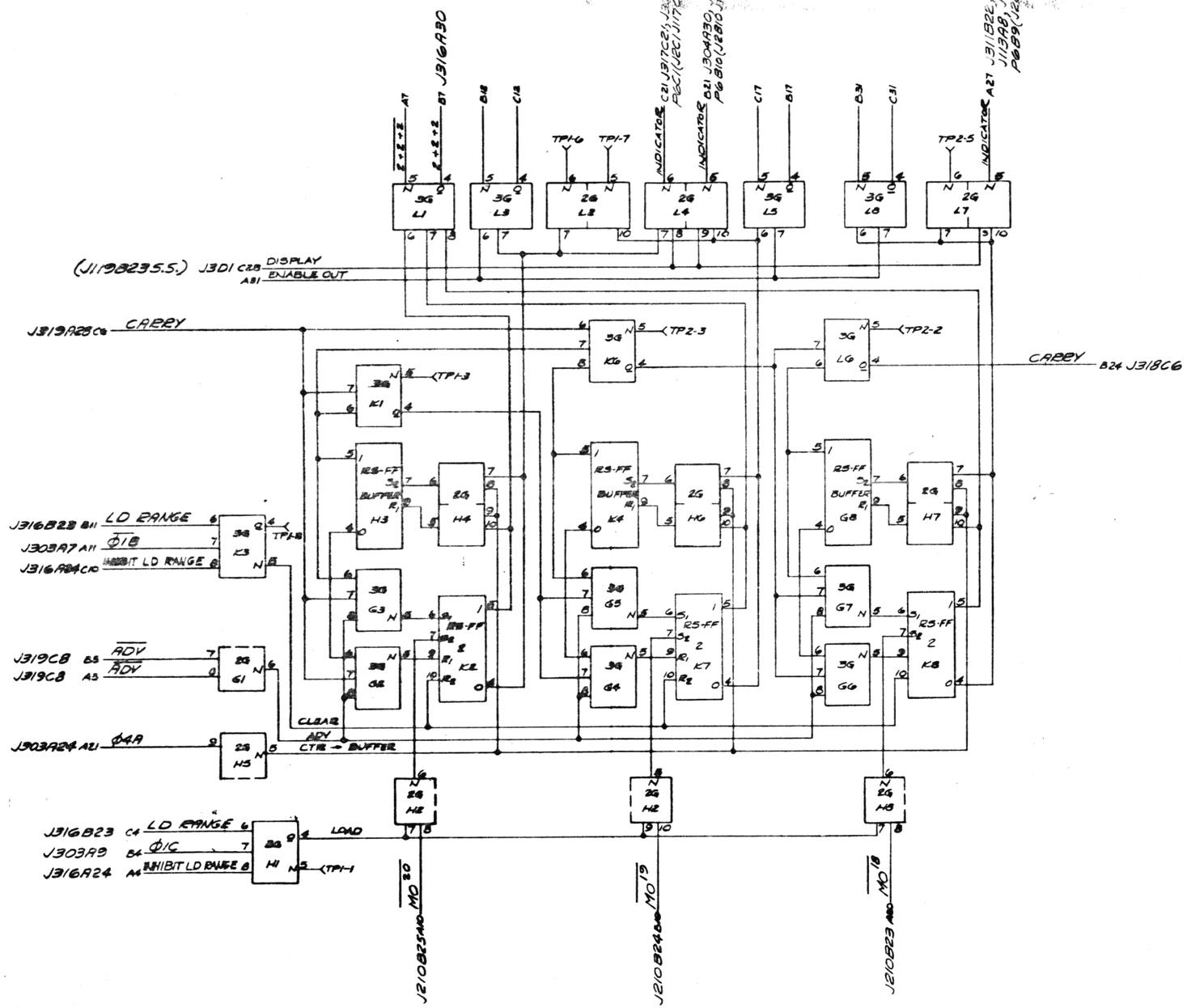
LOGIC DIAGRAM—
7 BIT SPLIT (DOWN)
COUNTER

SIZE	CODE IDENT NO.	DWG. NO.
D	36378	B688040E

SCALE NONE | SHEET 113

NEXT ASSY	USED ON

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



B688040E A

B688040E B

A319-2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL ~~2 PLACE ± .03~~ ANGULAR → ~~3 PLACE ± .010~~ FRACTIONAL → HOLE DIA. TOL. PER SHOP STDS. MFR. TO LINK STDS. MATL FINISH	DR 9-28-67 DR CHK DESGN CHK MFG. CHK PROJ. APPD 10/12/67	LINK GROUP, SYSTEMS DIVISION GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
		LOGIC DIAGRAM – 7 BIT SPLIT (DOWN) COUNTER
		SIZE D · CODE IDENT NO. 36378 · DWG. NO. B688040E · SCALE NONE · SHEET 1/4

NEXT ASSY	USED ON
27275	A/F37UT9