

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
TOLERANCES ON DIMENSIONS

DEC MAL	ANGULAR
2-PLACE ±.03	±
3-PLACE ±.010	FRACTIONAL
4-PLACE ±.0005	±

MATL _____ FINISH _____

LINK DIVISION, SIMULATION AND CONTROL GROUP
GENERAL PRECISION, INC.
BINGHAMTON, NEW YORK

BLOCK DIAGRAM - DAFG SUBSYSTEM

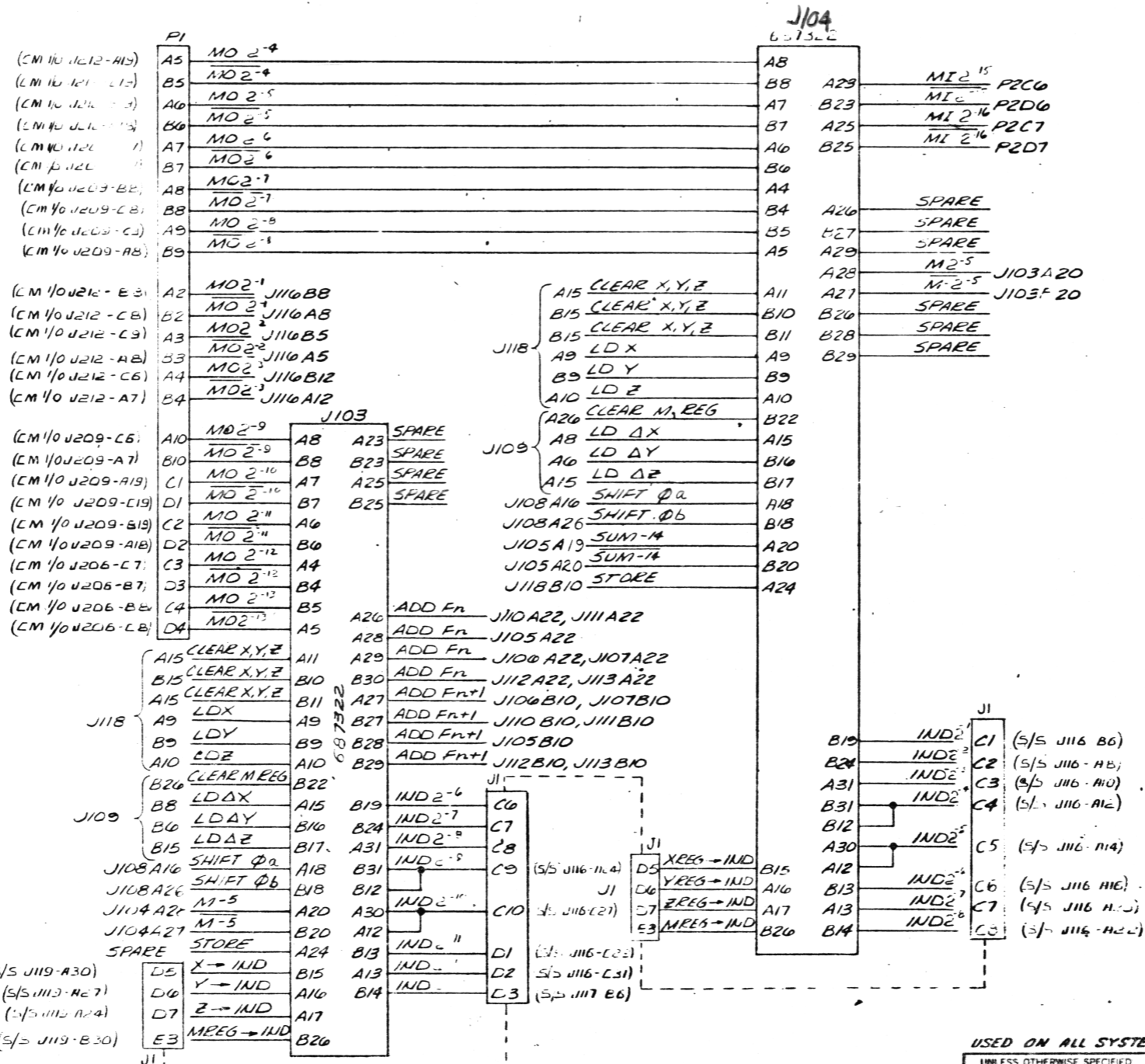
CODE IDENT NO.	SIZE	DWG NO.
36378	D	621814

SCALE: AS SHOWN SHEET

DATA GENERATED AT COMPANY EXPENSE
PREPARATION BY: 370-13 351
IN THE BINGHAMTON OFFICE
WITHOUT CLEARANCE BY LINK
DEPARTMENT

NEXT ASSY	A/E 370-T9
USED ON	

621814



USED ON ALL SYSTEMS

REV. 5 2-15-66

UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON DIMENSIONS	
DECIMAL	ANGULAR
3-PLACE ± 0.005	±
4-PLACE ± 0.0005	FRACTIONAL
	±
MATERIAL	
FINISH	

DRAWING GRADE	
DATE	1/11/66
CHKD	1/11/66
ENGR	
APPR	

LINK LOGIC FLOW DIAGRAM
DAFG SUBSYSTEM

LINK DIVISION, SIMULATION AND CONTROL
GENERAL PRODUCTS
BIRMINGHAM, NEW YORK

CODE IDENT NO.	SIZE	DATE
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SCALE: 1/16" = 1"

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NEXT ASSY	USED ON	

688032E

ZONE	LTR

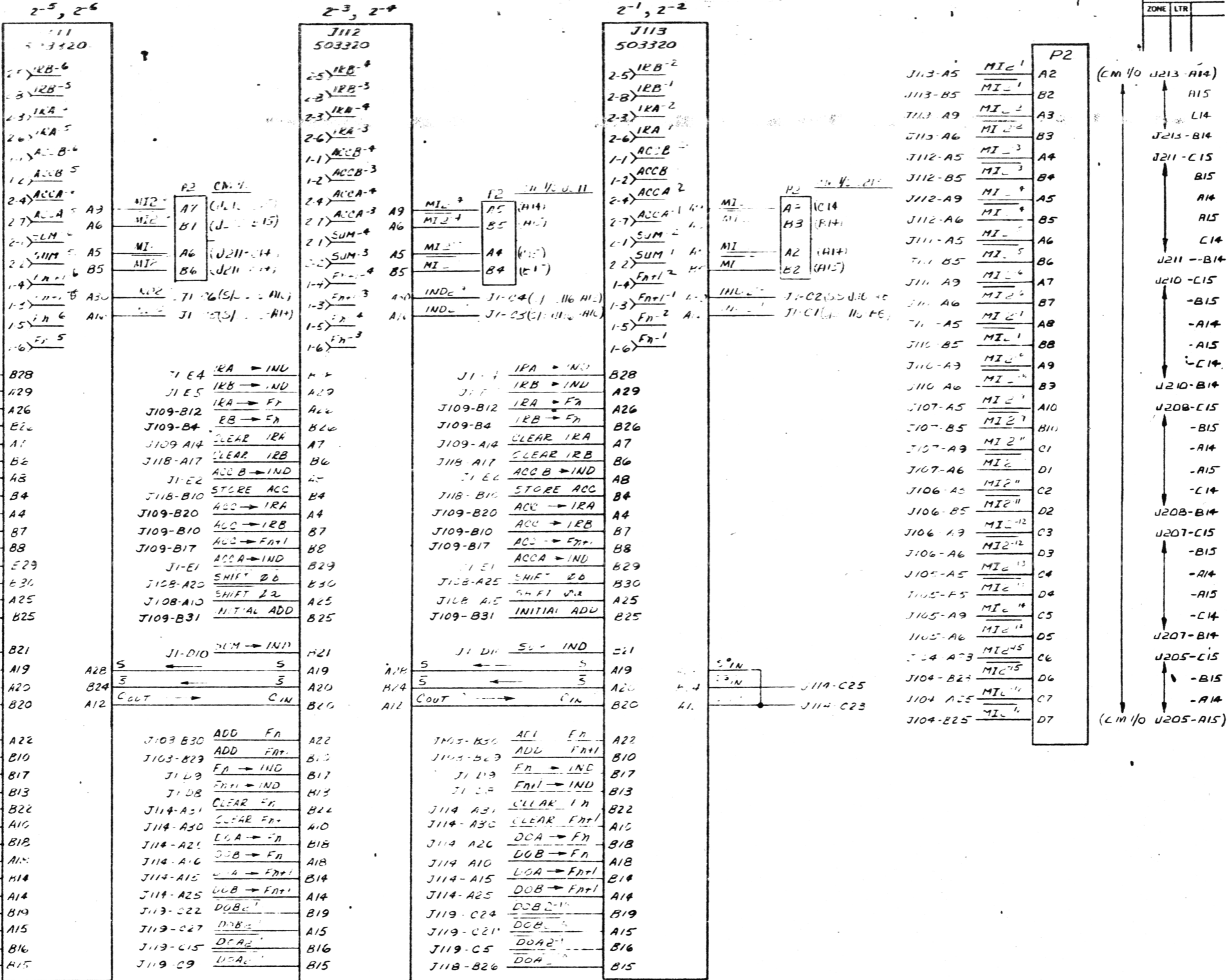
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J119-A18) J1-D9 FN+1-IND B13</p> <p>J114-B23 CLEAR FN B22</p> <p>J114-B23 CLEAR FN+1 A10</p> <p>DOA-FN B18</p> <p>DOB-FN A18</p> <p>DOA-FN+1 B14</p> <p>DOB-FN+1 A14</p> <p>GRD</p> <p>B19</p> <p>A7</p> <p>B6</p> <p>B17</p>	<p>2-5) IEE-4</p> <p>2-8) IEE-7</p> <p>2-3) IEE-14</p> <p>2-6) IEE-13</p> <p>1-1) ACCB-12</p> <p>1-2) ACCB-12</p> <p>1-4) ACCA-12</p> <p>2-7) ACCA-13 A9</p> <p>2-7) SUM-4 A6</p> <p>2-1) SUM-7 A5</p> <p>2-2) SUM-7 A5</p> <p>1-4) FNI-14 A5</p> <p>1-3) FNI-13 A70</p> <p>1-5) FN-14 A16</p> <p>1-6) FN-15</p> <p>J1-E4 IRA-IND B28</p> <p>J1-E5 IRB-IND A29</p> <p>J109-A12 IRA-FN A26</p> <p>J109-A4 IRB-FN B26</p> <p>J109-A14 CLEAR IRA A7</p> <p>J118-A17 CLEAR IRB B6</p> <p>J1-E2 ACCB-IND A8</p> <p>J118-B10 STORE ACC B4</p> <p>J109-A20 ACC-IRA A4</p> <p>J109-A10 ACC-IRB B7</p> <p>J109-A11 ACC-FNI B8</p> <p>J1-E1 ACCA-IND B29</p> <p>J108-A20 SHIFT QB B30</p> <p>J108-A10 SHIFT QA A25</p> <p>J109-B29 INITIAL ADD B25</p> <p>J1-D10 SUM-IND B21</p> <p>S-74 OUT A19</p> <p>S-74 OUT B24</p> <p>COUT CIN B20</p> <p>J103-A29 ADD FN A22</p> <p>J103-A27 ADD FN+1 B10</p> <p>J1-D8 FN-IND B17</p> <p>J1-D9 FN+1-IND B13</p> <p>J114-B23 CLEAR FN B22</p> <p>J114-B23 CLEAR FN+1 A10</p> <p>DOA-FN F18</p> <p>DOB-FN A18</p> <p>DOA-FN+1 B14</p> <p>DOB-FN+1 A14</p> <p>GRD</p> <p>B19</p> <p>A15</p> <p>B16</p> <p>B15</p>	<p>2-5) IEE-4</p> <p>2-8) IEE-7</p> <p>2-3) IEE-14</p> <p>2-6) IEE-13</p> <p>1-1) ACCB-12</p> <p>1-2) ACCB-12</p> <p>1-4) ACCA-12</p> <p>2-7) ACCA-13 A9</p> <p>2-7) SUM-4 A6</p> <p>2-1) SUM-7 A5</p> <p>2-2) SUM-7 A5</p> <p>1-4) FNI-14 A5</p> <p>1-3) FNI-13 A70</p> <p>1-5) FN-14 A16</p> <p>1-6) FN-15</p> <p>J1-E4 IRA-IND B28</p> <p>J1-E5 IEE-IND A29</p> <p>J109-A12 IRA-FN A26</p> <p>J109-A4 IRB-FN B26</p> <p>J109-A14 CLEAR IEA A7</p> <p>J118-A17 CLEAR IRB B6</p> <p>J1-E2 ACCB-IND A8</p> <p>J118-B10 STORE ACC B4</p> <p>J109-A20 ACC-IRA A4</p> <p>J109-A10 ACC-IRB B7</p> <p>J109-A11 ACC-FNI B8</p> <p>J1-E1 ACCA-IND B29</p> <p>J108-A20 SHIFT QB B30</p> <p>J108-A10 SHIFT QA A25</p> <p>J109-A30 INITIAL ADD B25</p> <p>J1-D10 SUM-IND B21</p> <p>S-74 OUT A19</p> <p>S-74 OUT B24</p> <p>COUT CIN B20</p> <p>J103-A29 ADD FN A22</p> <p>J103-A27 ADD FN+1 B10</p> <p>J1-D8 FN-IND B17</p> <p>J1-D9 FN+1-IND B13</p> <p>J114-B23 CLEAR FN B22</p> <p>J114-B23 CLEAR FN+1 A10</p> <p>DOA-FN B18</p> <p>DOB-FN A18</p> <p>DOA-FN+1 B14</p> <p>DOB-FN+1 A14</p> <p>J4-A21</p> <p>GRD</p> <p>B19</p> <p>A15</p> <p>B16</p> <p>B15</p>	<p>2-5) IEE-4</p> <p>2-8) IEE-7</p> <p>2-3) IEE-14</p> <p>2-6) IEE-13</p> <p>1-1) ACCB-12</p> <p>1-2) ACCB-12</p> <p>1-4) ACCA-12</p> <p>2-7) ACCA-13 A9</p> <p>2-7) SUM-4 A6</p> <p>2-1) SUM-7 A5</p> <p>2-2) SUM-7 A5</p> <p>1-4) FNI-14 A5</p> <p>1-3) FNI-13 A70</p> <p>1-5) FN-14 A16</p> <p>1-6) FN-15</p> <p>J1-E4 IRA-IND B28</p> <p>J1-E5 IEE-IND A29</p> <p>J109-A12 IRA-FN A26</p> <p>J109-A4 IRB-FN B26</p> <p>J109-A14 CLEAR IEA A7</p> <p>J118-A17 CLEAR IRB B6</p> <p>J1-E2 ACCB-IND A8</p> <p>J118-B10 STORE ACC B4</p> <p>J109-A20 ACC-IRA A4</p> <p>J109-A10 ACC-IRB B7</p> <p>J109-A11 ACC-FNI B8</p> <p>J1-E1 ACCA-IND B29</p> <p>J108-A20 SHIFT QB B30</p> <p>J108-A10 SHIFT QA A25</p> <p>J109-A30 INITIAL ADD B25</p> <p>J1-D10 SUM-IND B21</p> <p>S-74 OUT A19</p> <p>S-74 OUT B24</p> <p>COUT CIN B20</p> <p>J103-A29 ADD FN A22</p> <p>J103-A27 ADD FN+1 B10</p> <p>J1-D8 FN-IND B17</p> <p>J1-D9 FN+1-IND B13</p> <p>J114-B23 CLEAR FN B22</p> <p>J114-B23 CLEAR FN+1 A10</p> <p>DOA-FN B18</p> <p>DOB-FN A18</p> <p>DOA-FN+1 B14</p> <p>DOB-FN+1 A14</p> <p>J4-A21</p> <p>GRD</p> <p>B19</p> <p>A15</p> <p>B16</p> <p>B15</p>	<p>2-5) IEE-4</p> <p>2-8) IEE-7</p> <p>2-3) IEE-14</p> <p>2-6) IEE-13</p> <p>1-1) ACCB-12</p> <p>1-2) ACCB-12</p> <p>1-4) ACCA-12</p> <p>2-7) ACCA-13 A9</p> <p>2-7) SUM-4 A6</p> <p>2-1) SUM-7 A5</p> <p>2-2) SUM-7 A5</p> <p>1-4) FNI-14 A5</p> <p>1-3) FNI-13 A70</p> <p>1-5) FN-14 A16</p> <p>1-6) FN-15</p> <p>J1-E4 IRA-IND B28</p> <p>J1-E5 IRB-IND A29</p> <p>J109-B12 IEA-FN A26</p> <p>J109-B4 IEE-FN B26</p> <p>J109-A14 CLEAR IEA A7</p> <p>J118-A17 CLEAR IRB B6</p> <p>J1-E2 ACCB-IND A8</p> <p>J118-B10 STORE ACC B4</p> <p>J109-B20 ACC-IRA A4</p> <p>J109-B10 ACC-IRB B7</p> <p>J109-B17 ACC-FNI B8</p> <p>J1-E1 ACCA-IND B29</p> <p>J108-A25 SHIFT QB B30</p> <p>J108-A15 SHIFT QA A25</p> <p>J109-A31 INITIAL ADD B25</p> <p>J1-D10 SUM-IND B21</p> <p>S-74 OUT A19</p> <p>S-74 OUT B24</p> <p>COUT CIN B20</p> <p>J103-A26 ADD FN A22</p> <p>J103-B27 ADD FN+1 B10</p> <p>J1-D8 FN-IND B17</p> <p>J1-D9 FN+1-IND B13</p> <p>J114-A31 CLEAR FN B22</p> <p>J114-A30 CLEAR FN+1 A10</p> <p>J114-A26 DOA-FN B18</p> <p>J114-A11 DOB-FN A18</p> <p>J114-A16 DOA-FN+1 B14</p> <p>J114-A2 DOB-FN+1 A14</p> <p>J114-C26 DOB-FN B19</p> <p>J114-C2 DOB-FN A15</p> <p>J114-C13 DOA-FN B16</p> <p>J114-C11 DOA-FN B15</p>	<p>2-5) IEE-4</p> <p>2-8) IEE-7</p> <p>2-3) IEE-14</p> <p>2-6) IEE-13</p> <p>1-1) ACCB-12</p> <p>1-2) ACCB-12</p> <p>1-4) ACCA-12</p> <p>2-7) ACCA-13 A9</p> <p>2-7) SUM-4 A6</p> <p>2-1) SUM-7 A5</p> <p>2-2) SUM-7 A5</p> <p>1-4) FNI-14 A5</p> <p>1-3) FNI-13 A70</p> <p>1-5) FN-14 A16</p> <p>1-6) FN-15</p> <p>J1-E4 IRA-IND B28</p> <p>J1-E5 IRB-IND A29</p> <p>J109-A12 IEA-FN A26</p> <p>J109-B4 IEE-FN B26</p> <p>J109-A14 CLEAR IEA A7</p> <p>J118-A17 CLEAR IRB B6</p> <p>J1-E2 ACCB-IND A8</p> <p>J118-B10 STORE ACC B4</p> <p>J109-B20 ACC-IRA A4</p> <p>J109-B10 ACC-IRB B7</p> <p>J109-B17 ACC-FNI B8</p> <p>J1-E1 ACCA-IND B29</p> <p>J108-A25 SHIFT QB B30</p> <p>J108-A15 SHIFT QA A25</p> <p>J109-A31 INITIAL ADD B25</p> <p>J1-D10 SUM-IND B21</p> <p>S-74 OUT A19</p> <p>S-74 OUT B24</p> <p>COUT CIN B20</p> <p>J111-A19</p> <p>J111-A20</p> <p>J111-B20</p>

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B688032E

B688032E

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLAC - .05 ANGULAR 3 PLAC - .010 FRACTIONAL HOLE DIA - TOL PER-CHIP STDS REF TO LINK STDS	DR <u>DAF</u> DR CHK <u>DAF</u> DESGN CHK MFG CHK PROJ APP.	LINK GENERAL WIRING DIAGRAM DAFG SUBS	
	MATL FINISH		SIZE CODE IDENT NO. DWG NO. D-36378 B688032E
	NEXT ASSY - USED ON		SCALE



(S/S J119 B27) J1-E4 IRA → IND B28
 (S/S J113 B24) J1-E5 IRB → IND A29
 J109-B12 IRA → FN A26
 J109-B4 IRB → FN B26
 J109-A14 CLEAR IRA A7
 J118-A17 CLEAR IRB B6
 (S/S J119 A8) J1-E2 ACC B → IND A8
 J118-B10 STORE ACC B4
 J109-B20 ACC → IRA A4
 J109-B10 ACC → IRB B7
 J109-B17 ACC → FN+1 B8
 (S/S J119 A11) J1-E1 ACCA → IND E29
 J108-A25 SHIFT Q6 B30
 J108-A15 SHIFT Q2 A25
 J109-A31 INITIAL ADD B25
 (S/S J119-A14) J1-D10 SUM → IND B21
 J110-A28 ← S A19
 J110-B24 ← S A20
 J110-A12 → C/N B20
 J103-A26 ADD FN A22
 J103-B27 ADD FN+1 B10
 (S/S J119-A21) J1-D9 FN → IND B17
 (S/S J119-A18) J1-D8 FN+1 → IND B13
 J114-A31 CLEAR FN B22
 J114-A30 CLEAR FN+1 A16
 J114-A20 DOA → FN B18
 J114-A10 DOB → FN A18
 J114-A15 DOA → FN+1 B14
 J114-A25 DOB → FN+1 A14
 J119-C28 DOB → FN B19
 J119-C25 DOB → FN A15
 J119-C7 DOA → FN B16
 J119-C17 DOA → FN A15

J1-E4 IRA → IND A28
 J1-E5 IRB → IND A29
 J109-B12 IRA → FN A26
 J109-B4 IRB → FN B26
 J109-A14 CLEAR IRA A7
 J118-A17 CLEAR IRB B6
 J1-E2 ACC B → IND A8
 J118-B10 STORE ACC B4
 J109-B20 ACC → IRA A4
 J109-B10 ACC → IRB B7
 J109-B17 ACC → FN+1 B8
 J1-E1 ACCA → IND B29
 J108-A25 SHIFT Q6 B30
 J108-A15 SHIFT Q2 A25
 J109-B31 INITIAL ADD B25
 J1-D10 SUM → IND A21
 J110-A28 ← S A19
 J110-B24 ← S A20
 J110-A12 → C/N B20
 J103-B30 ADD FN A22
 J103-B27 ADD FN+1 B10
 J1-D9 FN → IND B17
 J1-D8 FN+1 → IND B13
 J114-A31 CLEAR FN B22
 J114-A30 CLEAR FN+1 A16
 J114-A20 DOA → FN B18
 J114-A10 DOB → FN A18
 J114-A15 DOA → FN+1 B14
 J114-A25 DOB → FN+1 A14
 J119-C22 DOB → FN B19
 J119-C27 DOB → FN A15
 J119-C15 DOA → FN B16
 J119-C9 DOA → FN A15

J1-E4 IRA → IND B28
 J1-E5 IRB → IND A29
 J109-B12 IRA → FN A26
 J109-B4 IRB → FN B26
 J109-A14 CLEAR IRA A7
 J118-A17 CLEAR IRB B6
 J1-E2 ACC B → IND A8
 J118-B10 STORE ACC B4
 J109-B20 ACC → IRA A4
 J109-B10 ACC → IRB B7
 J109-B17 ACC → FN+1 B8
 J1-E1 ACCA → IND B29
 J108-A25 SHIFT Q6 B30
 J108-A15 SHIFT Q2 A25
 J109-B31 INITIAL ADD B25
 J1-D10 SUM → IND B21
 J110-A28 ← S A19
 J110-B24 ← S A20
 J110-A12 → C/N B20
 J103-B30 ADD FN A22
 J103-B27 ADD FN+1 B10
 J1-D9 FN → IND B17
 J1-D8 FN+1 → IND B13
 J114-A31 CLEAR FN B22
 J114-A30 CLEAR FN+1 A16
 J114-A20 DOA → FN B18
 J114-A10 DOB → FN A18
 J114-A15 DOA → FN+1 B14
 J114-A25 DOB → FN+1 A14
 J119-C24 DOB → FN B19
 J119-C21 DOB → FN A15
 J119-C5 DOA → FN B16
 J118-B26 DOA → FN B15

J113-A5 MI C1 A2
 J113-B5 MI C1 B2
 J113-A9 MI C1 A3
 J113-A6 MI C1 B3
 J112-A5 MI C1 A4
 J112-B5 MI C1 B4
 J112-A9 MI C1 A5
 J112-A6 MI C1 B5
 J111-A5 MI C1 A6
 J111-B5 MI C1 B6
 J111-A9 MI C1 A7
 J111-A6 MI C1 B7
 J111-A5 MI C1 A8
 J111-B5 MI C1 B8
 J110-A9 MI C1 A9
 J110-A6 MI C1 B9
 J107-A5 MI C1 A10
 J107-B5 MI C1 B10
 J107-A9 MI C1 C1
 J107-A6 MI C1 D1
 J106-A5 MI C1 C2
 J106-B5 MI C1 D2
 J106-A9 MI C1 C3
 J106-A6 MI C1 D3
 J105-A5 MI C1 C4
 J105-B5 MI C1 D4
 J105-A9 MI C1 C5
 J105-A6 MI C1 D5
 J104-A3 MI C1 C6
 J104-B2 MI C1 D6
 J104-A25 MI C1 C7
 J104-B25 MI C1 D7

(C/M 1/0 J213-A14) A15
 L14
 J213-B14
 J211-C15
 B15
 A14
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 C14
 J211--B14
 J210-C15
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 J207-B14
 J205-C15
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 -A14
 -A15
 -C14
 (C/M 1/0 J205-A15)

B688032E

B688032E

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE .03 ANGULAR 3 PLACE .010 FRACTIONAL HOLE DIA. TOL PER SHOP STD.

MFR. TO LINK STDS.

MATL _____

FINISH _____

DR _____

DR CHK _____

DESIGN CHK _____

MFG. CHK _____

PROJ. APPR. _____

LINK GENERAL PRECISION
 BINGHAMTON, NEW YORK

LOGIC FLOW DIAGRAM
 DAEG SUBSYSTEM

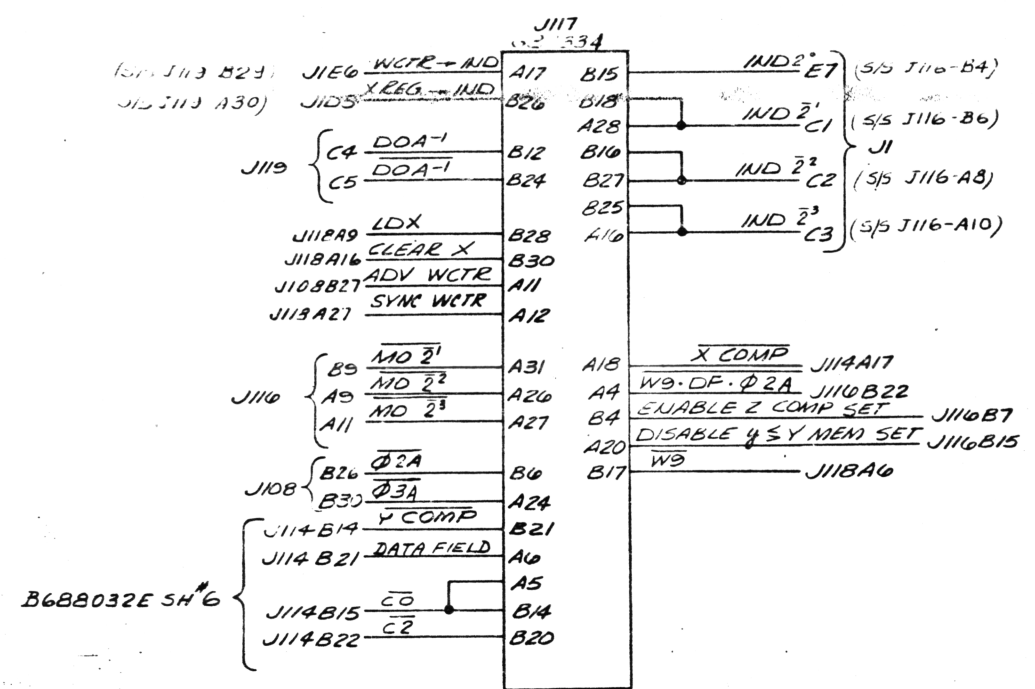
SIZE D

363/8 Y B688032E

SCALE NONE

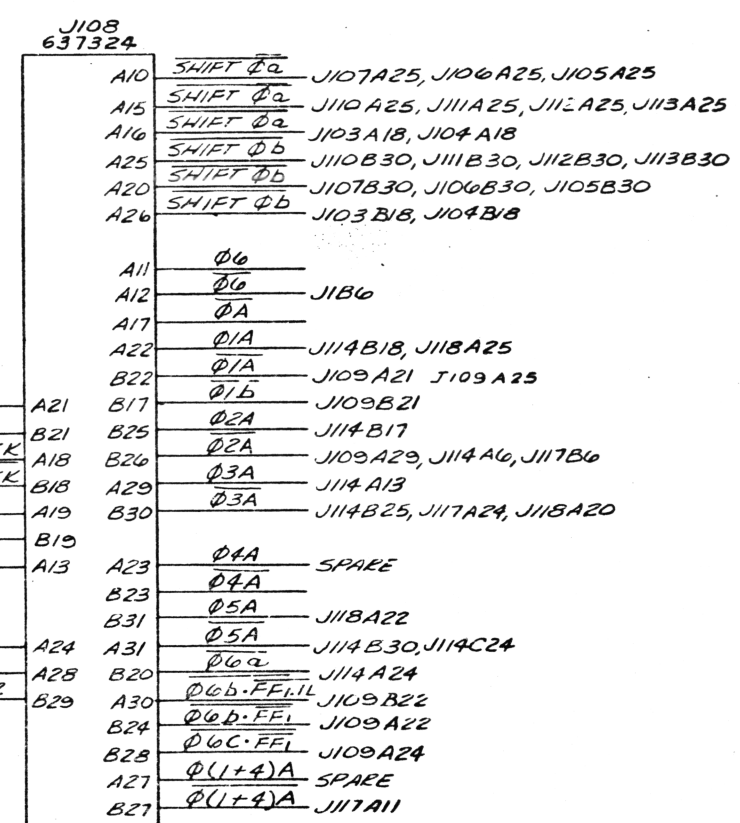
B688032 A/F 870-79 NEXT ASSY USED ON

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED



- (S/S J212-C9) J1A1 QA A21
- (S/S J212-C10) J1A2 QA B21
- (S/S J113-C19) J1B1 SS BY CLOCK A18 B26
- (S/S J113-C17) J1B2 SS BY CLOCK B18 A29
- (S/S J205-B26) J1B4 SSR A19 B30
- (S/S J205-C26) J1B5 SSR B19
- J109B24 TL A13

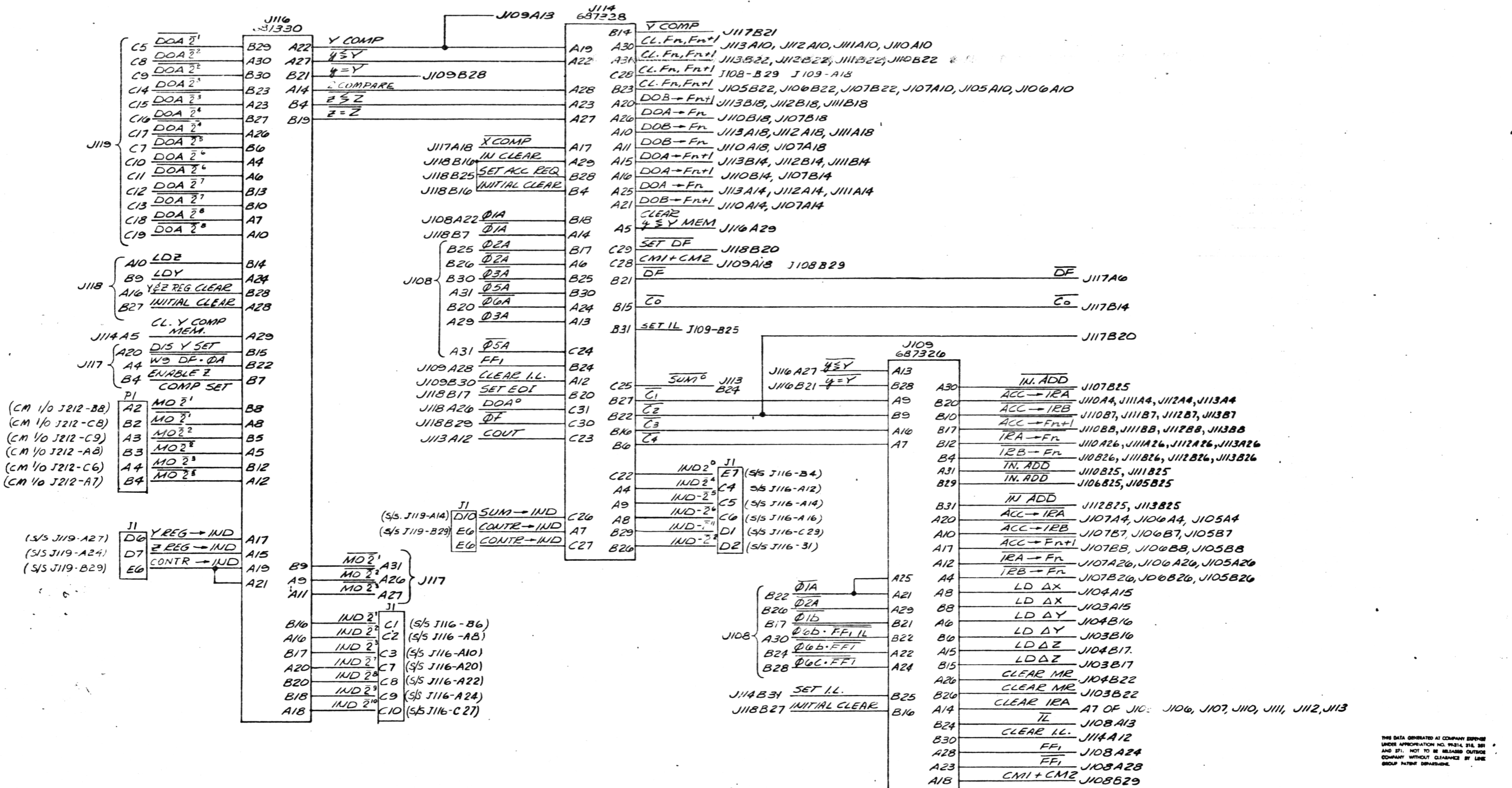
- J109A28 FFI A24 A31
- J109A23 FFI A28 B20
- J109A18 CMI + CM2 B29 A30



IN DATA GENERATED AT COMPANY EXPENSE
 UNDER APPROVE AT THE NEW YORK, N.Y. 10017
 AND 271, N.Y. 10017, BY BENTLEY SYSTEMS
 COMPANY WITH 10% CLEARANCE BY LINK
 GROUP PATENT DEPARTMENT.

UNLESS OTHERWISE SPECIFIED		DRAWING GRADE		LINK LINK DIVISION, SIMULATION AND CONTROL GROUP GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
DIMENSIONS ARE IN INCHES		DR. <i>[Signature]</i> 11/14/01		
TOLERANCES ON DIMENSIONS		CHK. <i>[Signature]</i> 11/14/01		WIRING DIAGRAM DAFG SUBSYSTEM
DECIMAL	ANGULAR	ENGR. <i>[Signature]</i> 11/14/01		
2-PLACE ±.03	±	APPR. <i>[Signature]</i> 11/14/01		
3-PLACE ±.010	FRACTIONAL	MATERIAL		
4-PLACE ±.0005	±	FINISH		
CODE IDENT NO.	SIZE	DWG NO.		
36378	D	B688032 E		
SCALE NONE		SHEET 5		

36378	37
NEXT ASSY	USED ON



THIS DATA GENERATED AT COMPANY SERVICE UNDER APPROPRIATION NO. 94314, 314, 381 AND 371. NOT TO BE RELEASED OUTSIDE COMPANY WITHOUT CLEARANCE BY LINK GROUP PATENT DEPARTMENT.

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON DIMENSIONS
 DECIMAL ANGULAR
 2 PLACE $\pm .02$ \pm
 3 PLACE $\pm .010$ FRACTIONAL
 4 PLACE $\pm .0005$ \pm

DRAWING GRADE
 DP 11/1/67
 CHR 1/1/67
 ENGR
 APPV 1/1/67

LINK DIVISION, SIMULATION AND CONTROL GROUP
LINK GENERAL PRECISION, INC
 BINGHAMTON, NEW YORK

WIRING DIAGRAM DAFG SUBSYSTEM

CODE IDENT NO. SIZE DWG NO.
36378 D B688032 E
 SCALE 1/16"=1" SHEET 6

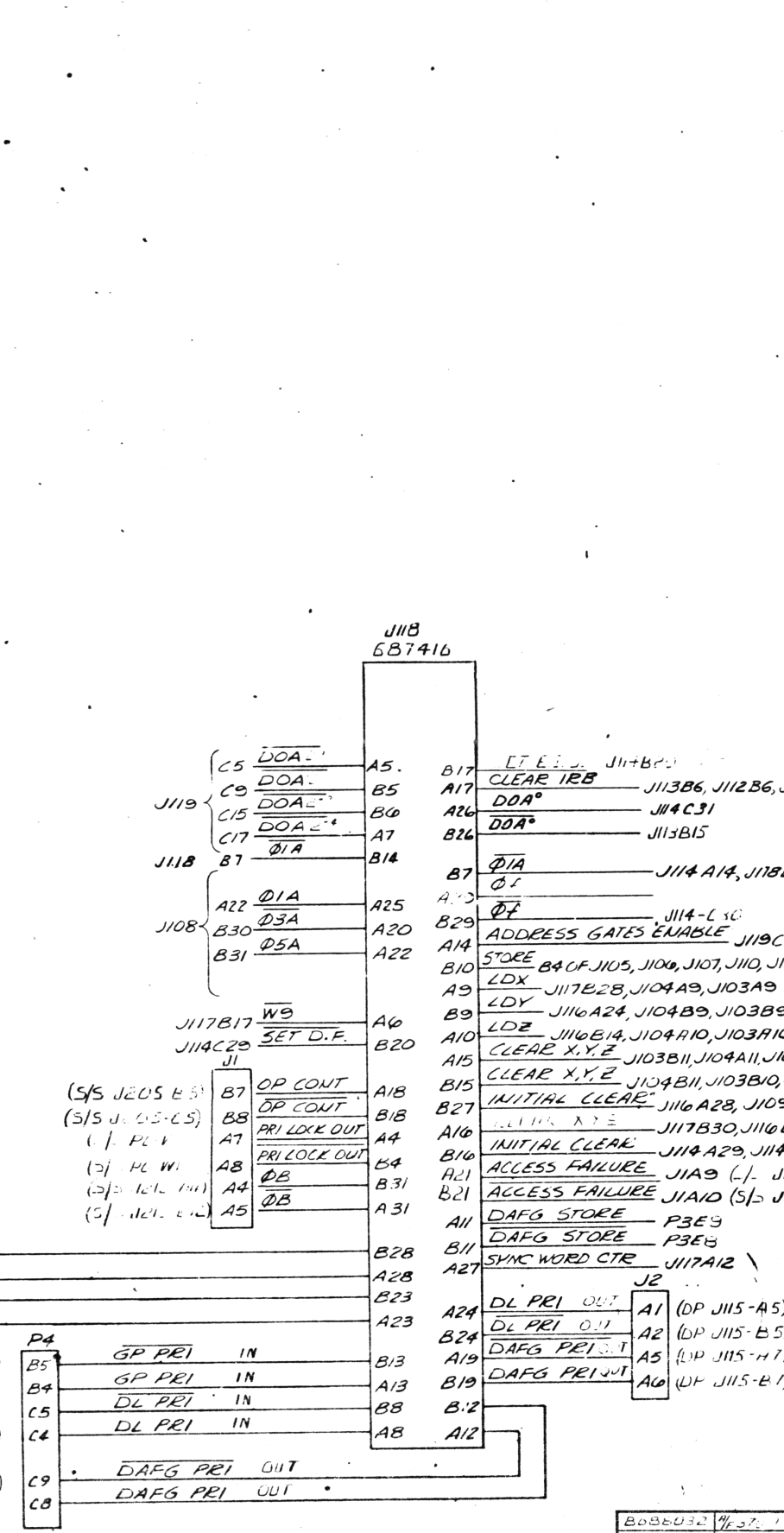
FINISH
 NEXT ASSY USED ON

688032 E

REVISIONS			DATE	APPROVED
SYM	ZONE	DESCRIPTION		
A		RELEASE NO. 35495	8/21/64	[Signature]

J212 DRUM LOGIC B16
 AN5
 C17
 A18
 B23
 C23
 B26
 C26
 A28
 B28
 C28
 A21
 C18
 B18
 B15
 A15
 B11
 A5
 E4
 B4
 A4
 B4
 B8
 C10
 B10
 B14
 A14
 C21
 C20
 B22
 C22
 B25
 C25
 J204A1
 J204-B11

INPUTS FROM DRUM	DOA	MA	DAFG STORE
C31	DOB	J107 A15	
C20	DOB	J110 B19	
C23	DOB	J110 A15	
C28	DOB	J111 B19	
C25	DOB	J111 A15	
C22	DOB	J112 B19	
C27	DOB	J112 A15	
C24	DOB	J113 B19	
C21	DOB	J113 A15	
C19	DOA	J116 A10, J107 B15	
C18	DOA	J116 A7	
C13	DOA	J116 B10, J110 B16	
C12	DOA	J116 B13	
C11	DOA	J116 A6, J110 B15	
C10	DOA	J116 A4	
C7	DOA	J116 B6, J111 B16	
C17	DOA	J118 A7, J116 A26, J111 B15	
C16	DOA	J116 B27	
C15	DOA	J118 B6, J116 A23, J112 B16	
C14	DOA	J116 B23	
C9	DOA	J118 B5, J116 B30, J112 B15	
C8	DOA	J116 A30	
C5	DOA	J118 A5, J117 B24, J116 B69, J113 B16	
C4	DOA	J117 B12 P3	
A31	MA	J113 B14	
B31	MA	J115 H14	
A3	MA	J115 H15	
B3	MA	J115 L14	
A5	MA	J115 L15	
B5	MA	J115 B15	
A7	MA	J115 H20	
B7	MA	J115 B20	
A9	MA	J115 H10	
B9	MA	J115 E16	
B2	MA	J112 B14	
C2	MA	J112 A14	
B4	MA	J112 H15	
C4	MA	J112 C14	
B10	MA	J112 C15	
C6	MA	J112 B15	
B8	MA	J112 H20	
C8	MA	J112 E20	
C1	MA	J112 H16	
D1	MA	J112 B16	
C3	MA	J111 B14	
D3	MA	J111 H14	
C5	MA	J111 A15	
D5	MA	J111 L14	
C7	MA	J111 L15	
D7	MA	J111 E1	
E9	MA	J114 H20	
E11	MA	J114 H19	



UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	TOLERANCES ON DIMENSIONS
DECIMAL	ANGULAR
2-PLACE ± .02	±
3-PLACE ± .010	FRACTIONAL
4-PLACE ± .006	±

LINK DIVISION, SIMULATION AND CONTROL GROUP
LINK GENERAL PRECISION, INC.
 BINGHAMTON, NEW YORK

WIRING DIAGRAM
DAFG SUBSYSTEM

CODE IDENT NO. 36378 D SIZE D DWG NO. B688032E

SCALE: NONE SHEET 7

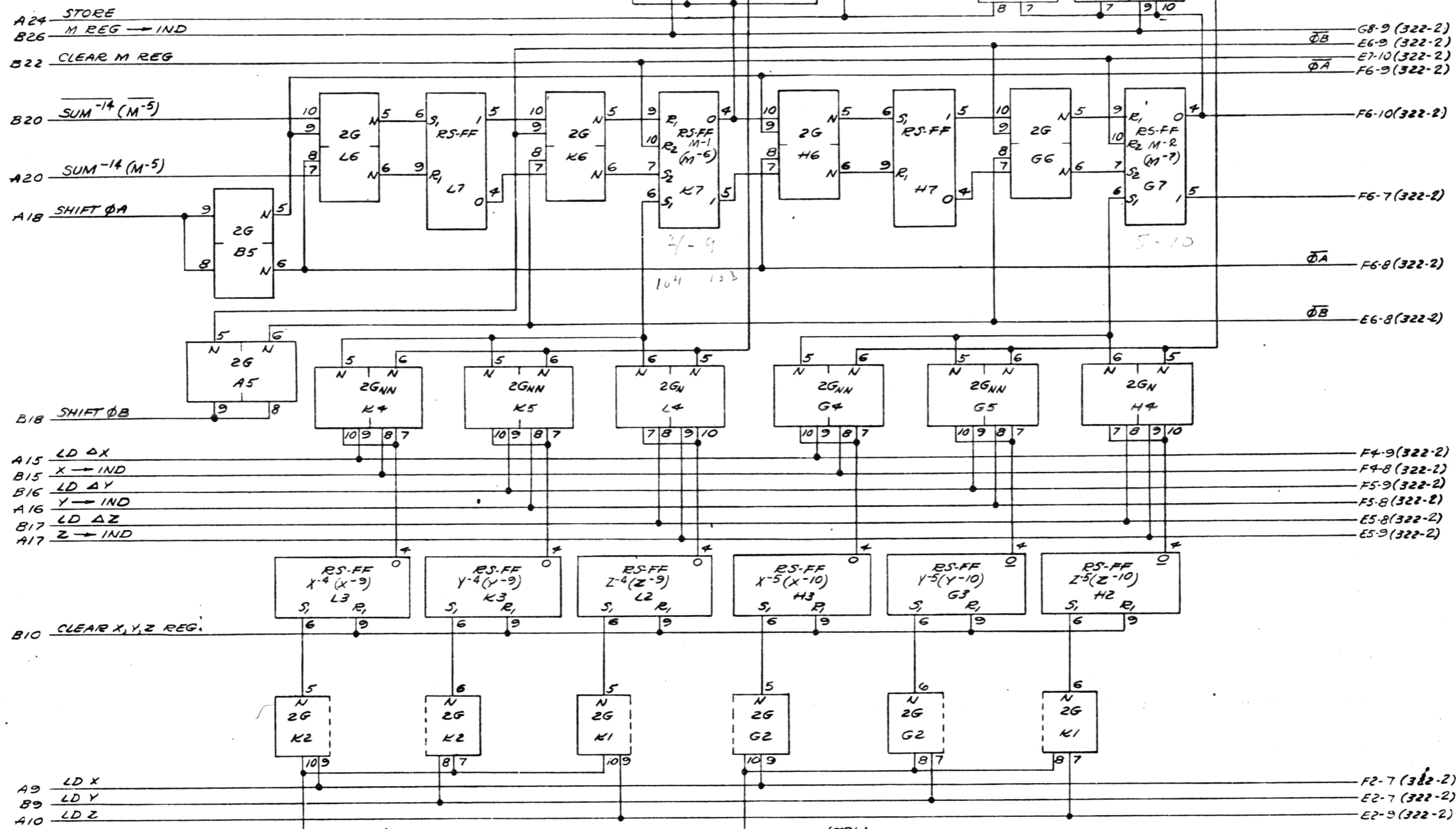
(RU J1301-1-1)
 (RU J1301-1-2)
 (RU J1301-1-3)
 (RU J1301-1-4)
 (RU J1301-1-5)
 (RU J1301-1-6)
 (RU J1301-1-7)
 (RU J1301-1-8)
 (RU J1301-1-9)

PA	GP PRI	IN
B5	GP PRI	IN
B4	GP PRI	IN
C5	DL PRI	IN
C4	DL PRI	IN
C9	DAFG PRI	OUT
C8	DAFG PRI	OUT

B688032 4/27/64
 NEXT ASSY USED ON

B688032E

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		RELEASE NO 354 B	4/14/66	CEL
B		ADDED NOTE 4 SEE SH. 12	5/1/66	CEL



103
104

NOTE:
 1. ALL RESISTOR 1/4W, ± 5%
 2. 120 Ω RESISTOR, LPN 452027
 3. 2.2K RESISTOR, LPN 452057
 4. IDENTIFICATION IN PARENTHESIS IS FOR U103

UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON DIMENSIONS	
DECIMAL	ANGULAR
2 PLACES ± .03	± FRACTIONAL
3 PLACES ± .010	±
4 PLACES ± .005	±
MATERIAL	
FINISH	

DRAWING GRADE	A
DR	M. Leoney 1-11-65
CHK	S. J. 4-11-66
ENGR	
APPD	

LINK DIVISION, SIMULATION AND CONTROL GROUP
LINK GENERAL PRECISION, INC.
 BINGHAMTON, NEW YORK

**LOGIC DIAGRAM -
 DAFG MULTIPLIER REG**

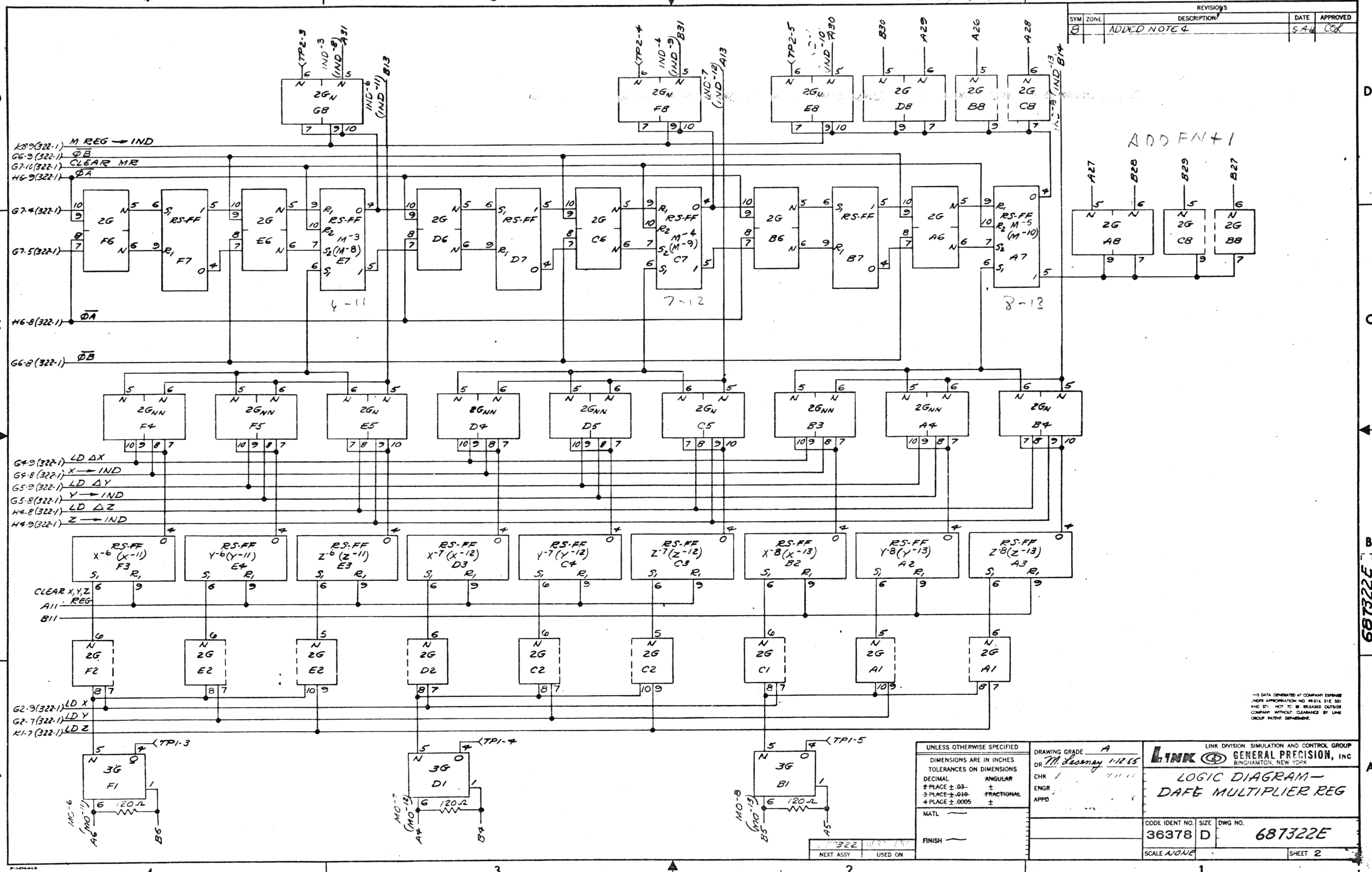
CODE IDENT NO.	SIZE	DWG NO.
36378	D	687322E
SCALE	NONE	SHEET 1 OF 2

LF 1322	USED ON
---------	---------

J103-J104

ADD FN

REVISIONS			DATE	APPROVED
SYM	ZONE	DESCRIPTION		
B		ADDED NOTE 4	5-4-66	CG



ADD FN+1

THIS DATA GENERATED AT COMPANY EXPENSE
 (NOR APPROPRIATION NO. 99314, 31E, 351
 AND 371. NOT TO BE RELEASED OUTSIDE
 COMPANY WITHOUT CLEARANCE BY LINK
 GROUP PATENT DEPARTMENT.

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON DIMENSIONS
 DECIMAL ANGULAR
 2 PLACE ± .03- ±
 3 PLACE ± .010- ± FRACTIONAL
 4 PLACE ± .0005 ±
 MATL
 FINISH

DRAWING GRADE A
 DR M. Looney 1-12-65
 CHK
 ENGR
 APPD

LINK DIVISION, SIMULATION AND CONTROL GROUP
LINK GENERAL PRECISION, INC
 BINGHAMTON, NEW YORK

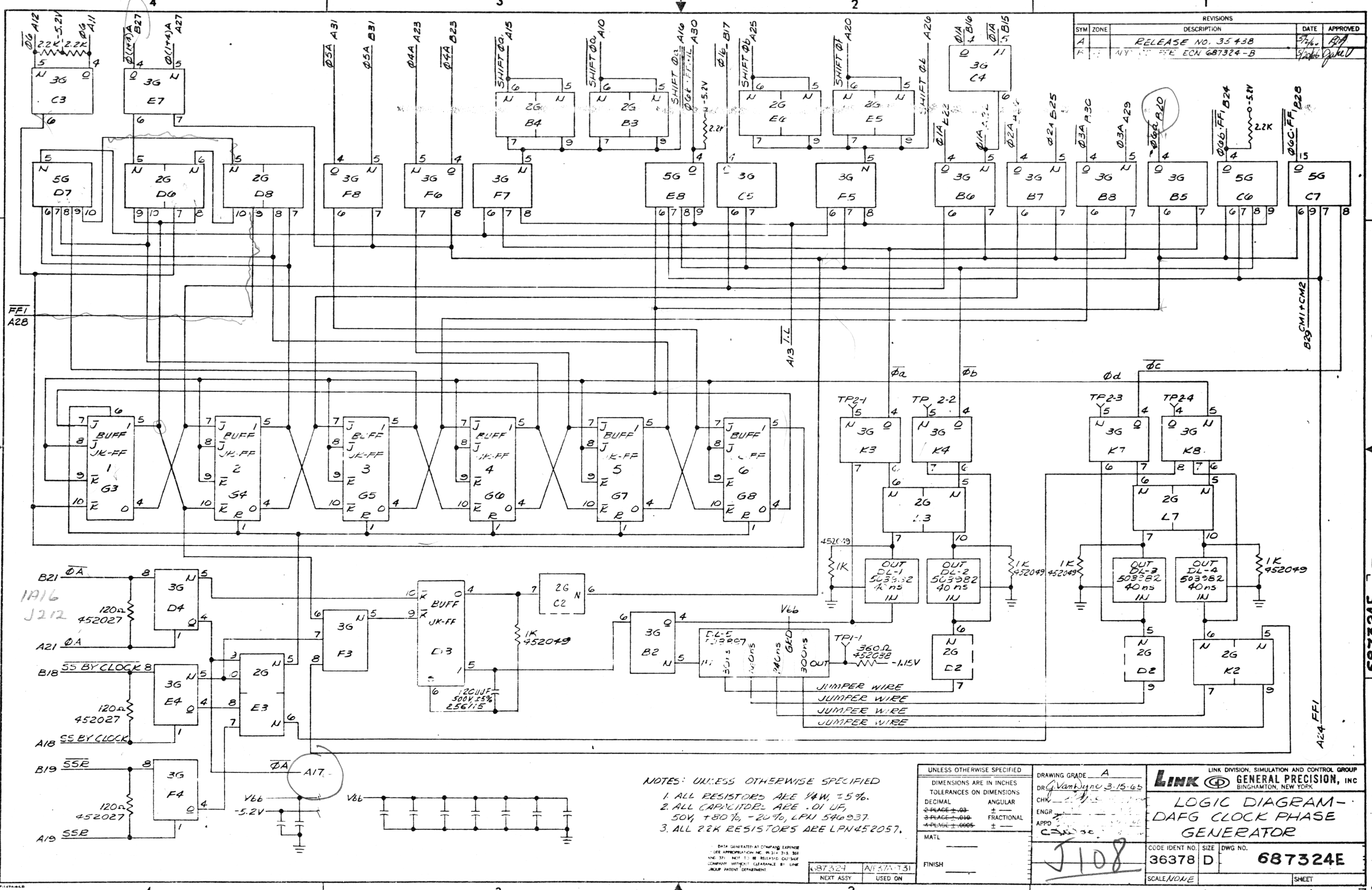
**LOGIC DIAGRAM -
 DAFE MULTIPLIER REG**

CODE IDENT NO. 36378 SIZE D DWG NO. 687322E
 SCALE NONE SHEET 2

322 115 157
 NEXT ASSY USED ON

687322E

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		RELEASE NO. 35438	5/7/61	RA
F		NY: NY: FILE ECN 687324-B	9/20/61	Jakel



NOTES: UNLESS OTHERWISE SPECIFIED
 1. ALL RESISTORS ARE 1/4W, 5%.
 2. ALL CAPACITORS ARE .01 UF, 50V, +80%, -20%, LFN 540937.
 3. ALL 22K RESISTORS ARE LPN452057.

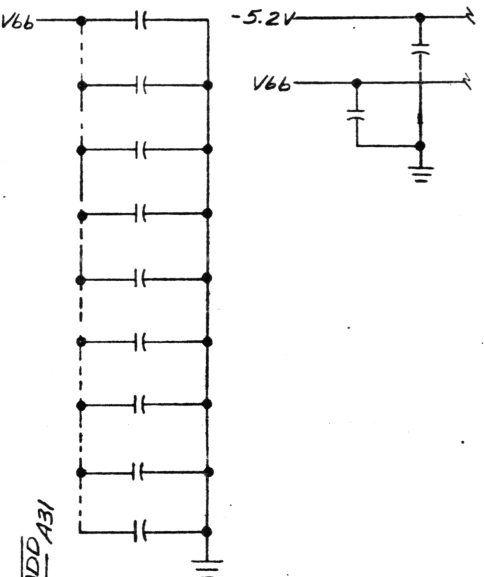
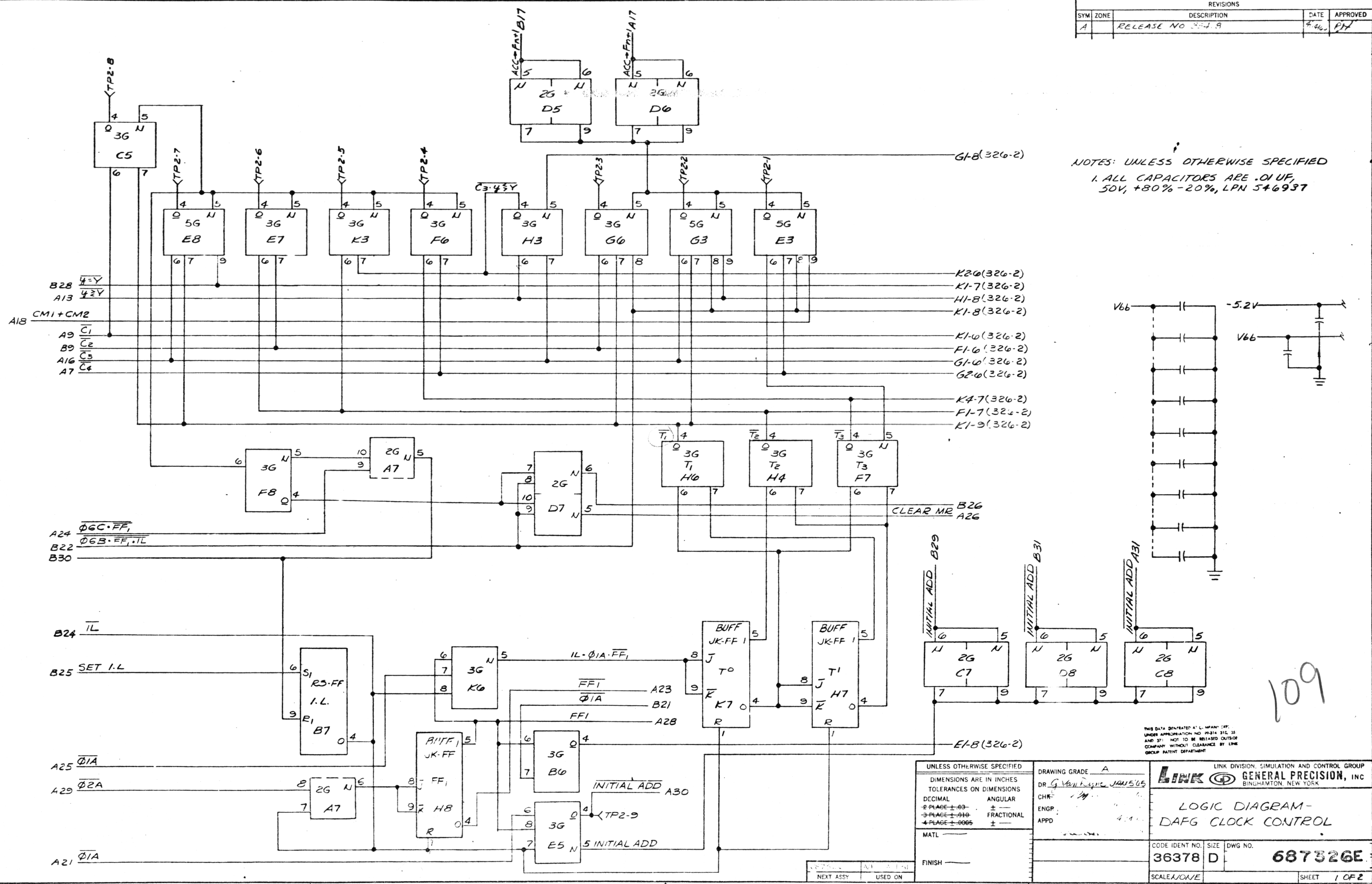
UNLESS OTHERWISE SPECIFIED		DRAWING GRADE A		LINK DIVISION, SIMULATION AND CONTROL GROUP	
DIMENSIONS ARE IN INCHES		DRG VanKlyne 3-15-65		LINK GENERAL PRECISION, INC	
TOLERANCES ON DIMENSIONS		ENGR		BINGHAMTON, NEW YORK	
DECIMAL	ANGULAR	CHG		LOGIC DIAGRAM -	
2-PLACE ± .005	±	ENGR		DAFG CLOCK PHASE	
3-PLACE ± .010	±	APPO		GENERATOR	
4-PLACE ± .0005	±	C-30-30		CODE IDENT NO. SIZE DWG NO.	
MATL		J108		36378 D 687324E	
FINISH				SCALE NONE SHEET	

DATA GENERATED AT COMPANY EXPENSE
 LINK APPLICATION INC. IN 313 315 301
 ENG 371 NEW YORK 10001 RELEASED TO THE
 COMPANY WITHOUT CLEARANCE BY LINK
 GROUP PATENT DEPARTMENT

687324E

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		RELEASE NO 326-2	7-46	PT

NOTES: UNLESS OTHERWISE SPECIFIED
 1. ALL CAPACITORS ARE .01 UF,
 50V, +80% - 20%, LPN 546937



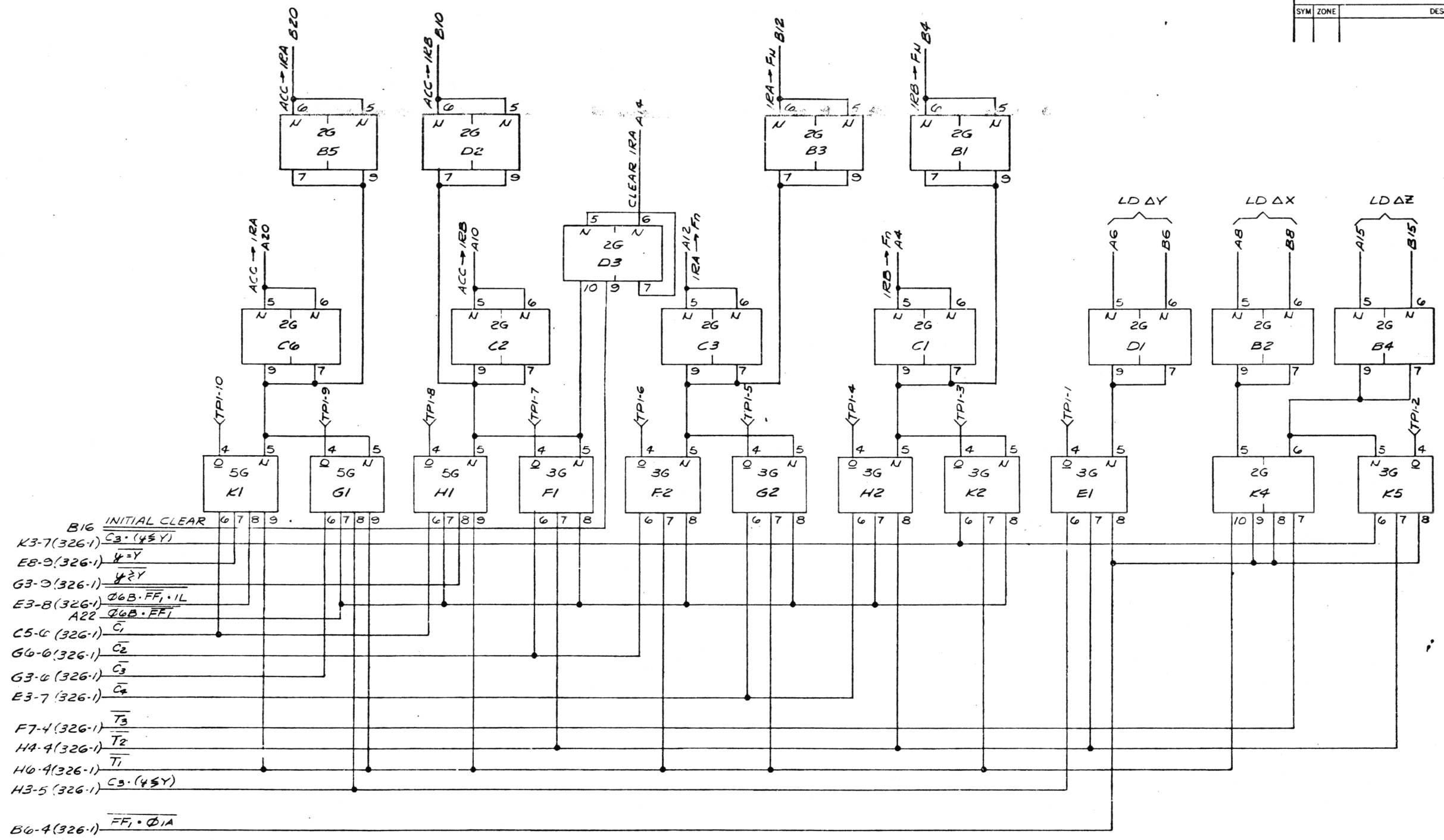
109

THIS DATA GENERATED AT COMPANY OFFICE UNDER APPROPRIATION NO. W5314 316 38 AND 371. NOT TO BE RELEASED OUTSIDE COMPANY WITHOUT CLEARANCE BY LINK GROUP PATENT DEPARTMENT

UNLESS OTHERWISE SPECIFIED		DRAWING GRADE	LINK DIVISION, SIMULATION AND CONTROL GROUP	
DIMENSIONS ARE IN INCHES		A	GENERAL PRECISION, INC.	
TOLERANCES ON DIMENSIONS		DR. G. Van Dyke JAN 505	BINGHAMTON, NEW YORK	
DECIMAL	ANGULAR	CHR	LOGIC DIAGRAM -	
2-PLACE ± .03	±	ENG	DAFG CLOCK CONTROL	
3-PLACE ± .010	FRACTIONAL	APPD		
4-PLACE ± .0005	±			
MATL		CODE IDENT NO.	SIZE	DWG NO.
		36378	D	687326E
FINISH		SCALE	NONE	SHEET 1 OF 2

687326E

SYM		ZONE		REVISIONS		DATE	APPROVED
				DESCRIPTION			



- B1G INITIAL CLEAR
- K3-7(326-1) C3 (4SY)
- E8-9(326-1) Y=Y
- G3-9(326-1) Y=Z
- E3-8(326-1) Q6B.FF1.1L
- A22 Q6B.FF1
- C5-6(326-1) C1
- G6-6(326-1) C2
- G3-6(326-1) C3
- E3-7(326-1) C4
- F7-4(326-1) T3
- H4-4(326-1) T2
- H6-4(326-1) T1
- H3-5(326-1) C3 (4SY)
- B6-4(326-1) FF1. Q1A

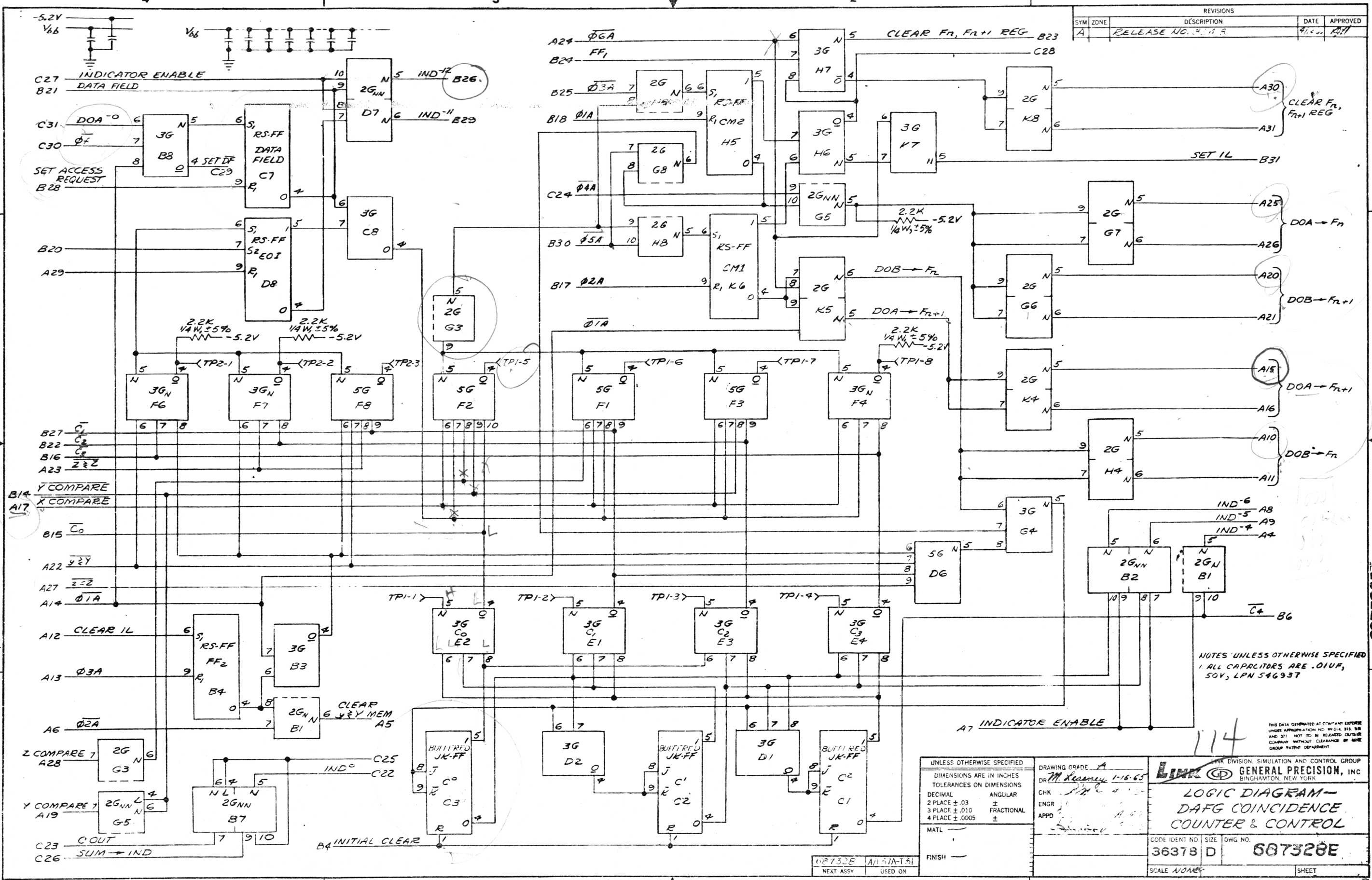
THIS DATA GENERATED AT COM ANY EXPENSE
LINKS APPROXIMATION NO. 99-314, 318, 351
AND 371. NOT TO BE RELEASED OUTSIDE
COMPANY WITHOUT CLEARANCE BY LINK
GROUP PATENT SUPERVISOR

UNLESS OTHERWISE SPECIFIED		DRAWING GRADE A		LINK DIVISION, SIMULATION AND CONTROL GROUP	
DIMENSIONS ARE IN INCHES		DR <i>G. VanDyne JAVS, '65</i>		GENERAL PRECISION, INC	
TOLERANCES ON DIMENSIONS		CHK <i>[Signature]</i>		BINGHAMTON, NEW YORK	
DECIMAL	ANGULAR	ENGR <i>[Signature]</i>		LOGIC DIAGRAM - DAFG CLOCK CONTROL	
2-PLACE ± .005	±	APPD <i>[Signature]</i>			
3-PLACE ± .010	FRACTIONAL	MATERIAL		CODE IDENT NO.	SIZE
4-PLACE ± .0006	±	FINISH		36378	D
				DWG NO.	
				687326E	
				SCALE NONE	SHEET 2

687326E	AT 11/14
NEXT ASSY	USED ON

687326E

J109



REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		RELEASE NO. 2, 1, 5	9/1/65	111

NOTES UNLESS OTHERWISE SPECIFIED
 1. ALL CAPACITORS ARE .01uF, 50V, LPN 546937

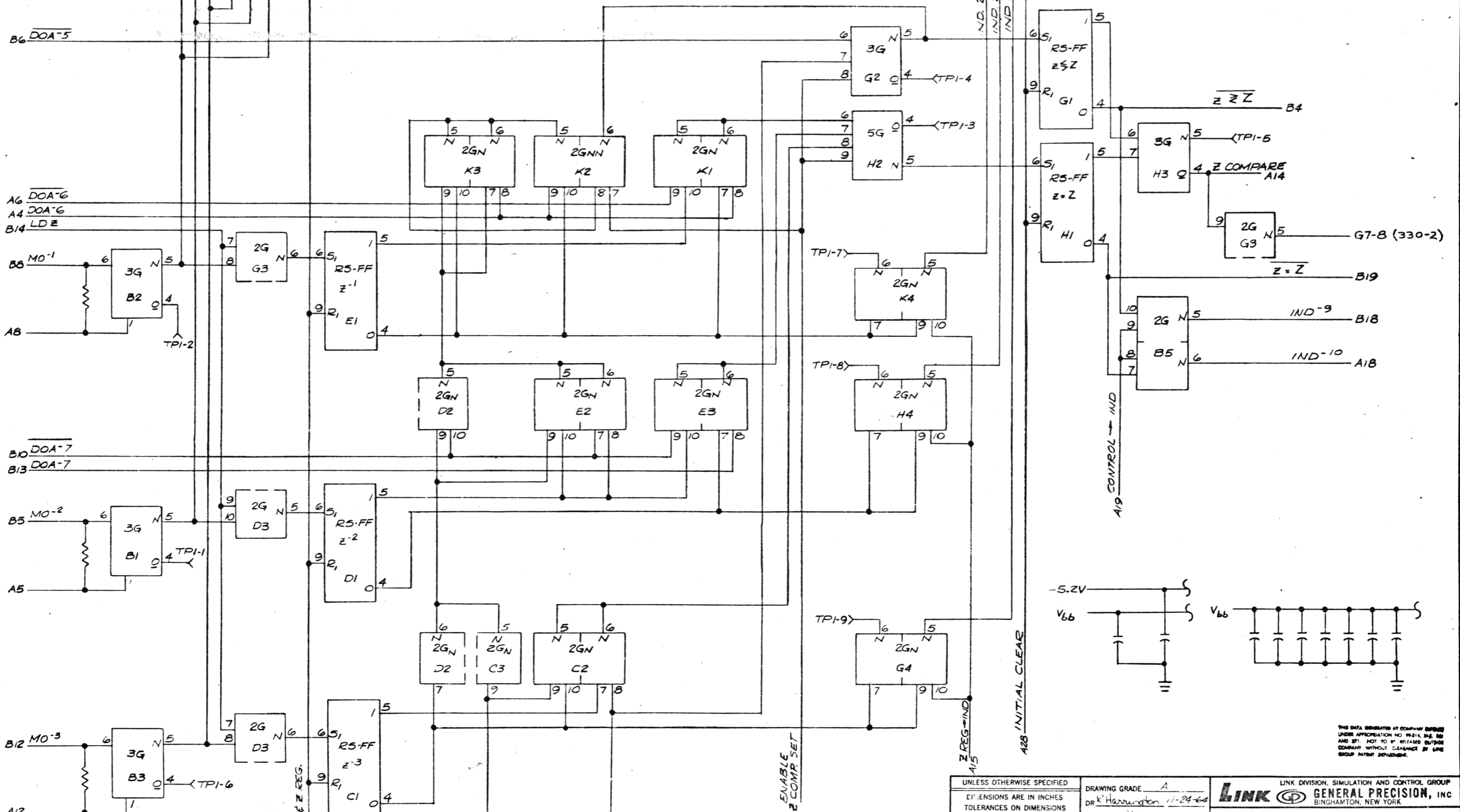
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL 2 PLACE ±.03 3 PLACE ±.010 4 PLACE ±.0005 ANGULAR ± FRACTIONAL ±	DRAWING GRADE A	WORK DIVISION, SIMULATION AND CONTROL GROUP GENERAL PRECISION, INC. BINGHAMTON, NEW YORK
	DR. M. Keaney 1-16-65	
MATL	ENGR. [Signature]	LOGIC DIAGRAM - DAFG COINCIDENCE COUNTER & CONTROL
FINISH	APPD. [Signature]	
CODE IDENT NO. 36378	SIZE D	DWG NO. 687328E
SCALE 1/8" = 1"		SHEET

114

1114

687328E

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		RELEASE 1/0 5-5 8	4/14/66	RJA
B		ADDED DECOUPLING AND BYPASS CAPS, ADDED NOTE 2, PER ECM 503330	5/18/66	GL



NOTE:
 1. ALL RESISTORS 120Ω, 1/4W, ±5%
 LPN 452027
 2. ALL CAPACITORS, AKI .01μ, 50V, 10%,
 -20%, LPN 516937.

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES	
TOLERANCES ON DIMENSIONS	
DECIMAL	ANGULAR
2 PLACE ±.03	±
3 PLACE ±.010	FRACTIONAL
4 PLACE ±.0005	±
MATL	
FINISH	

DRAWING GRADE	A
DR	R Harrington 11-24-64
CHK	
ENGR	
APPD	

LINK DIVISION, SIMULATION AND CONTROL GROUP		
LINK GENERAL PRECISION, INC BINGHAMTON, NEW YORK		
LOGIC DIAGRAM - ΔY AND ΔZ REGISTERS Y AND Z COMPARATORS		
CODE IDENT NO.	SIZE	DWG NO.
36378	D	687330E
SCALE NONE	SHEET 1 OF 2	

687330E

J110 J116

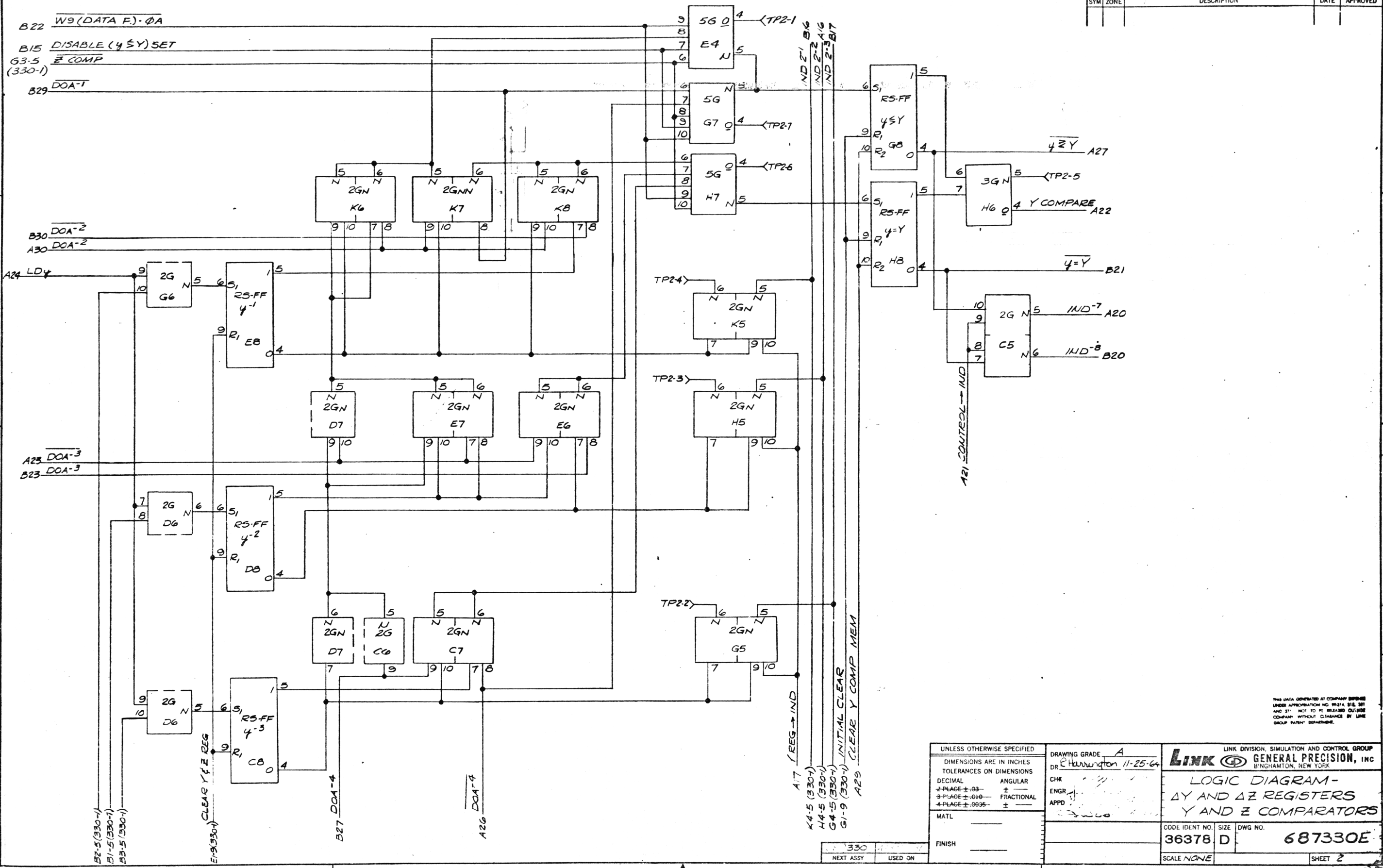
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED

B22 W9 (DATA F.) - QA
 B15 DISABLE (4SY) SET
 G3-5 Z COMP (330-1)
 B29 DOA-1

B30 DOA-2
 A30 DOA-2

A23 DOA-3
 B23 DOA-3

B2-5 (330-1)
 B1-5 (330-1)
 B3-5 (330-1)
 E1-9 (330-1)
 B27 DOA-4
 A26 DOA-4

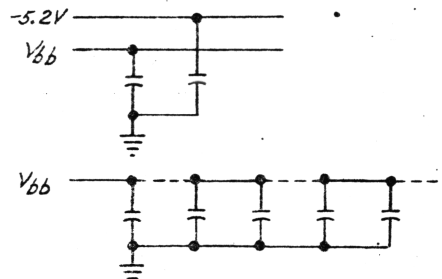
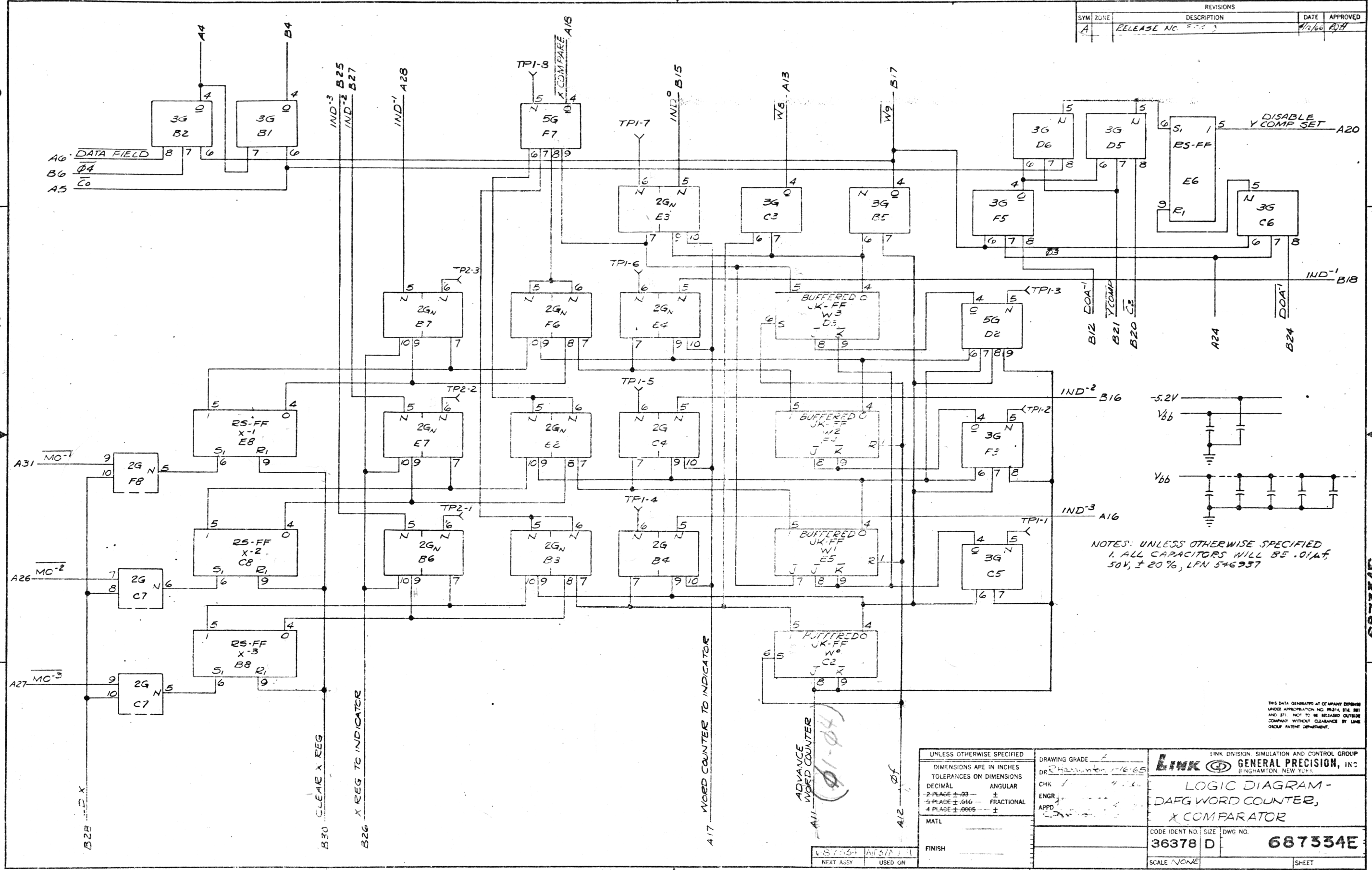


UNLESS OTHERWISE SPECIFIED		DRAWING GRADE A		LINK DIVISION, SIMULATION AND CONTROL GROUP	
DIMENSIONS ARE IN INCHES		DR R Harrington 11-25-64		LINK GENERAL PRECISION, INC	
TOLERANCES ON DIMENSIONS		ENGR		BINGHAMTON, NEW YORK	
DECIMAL	ANGULAR	APPD		LOGIC DIAGRAM -	
± PLAGE ± .03	±			4Y AND 4Z REGISTERS	
± PLAGE ± .010	FRACTIONAL			Y AND Z COMPARATORS	
± PLAGE ± .0035	±				
MATL		CODE IDENT NO.	SIZE	DWG NO.	
FINISH		36378	D	687330E	
		SCALE NONE		SHEET 2	

J116

687330E

REVISIONS			
SYM	ZONE	DESCRIPTION	DATE APPROVED
A		RELEASE NO 2-1-65	1/12/66 BPH



NOTES: UNLESS OTHERWISE SPECIFIED
 1. ALL CAPACITORS WILL BE .01µF,
 50V, ± 20%, LFN 546937

UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON DIMENSIONS	
DECIMAL	ANGULAR
2 PLACE ± .03	±
5 PLACE ± .016	FRACTIONAL
4 PLACE ± .0005	±
MATL	
FINISH	

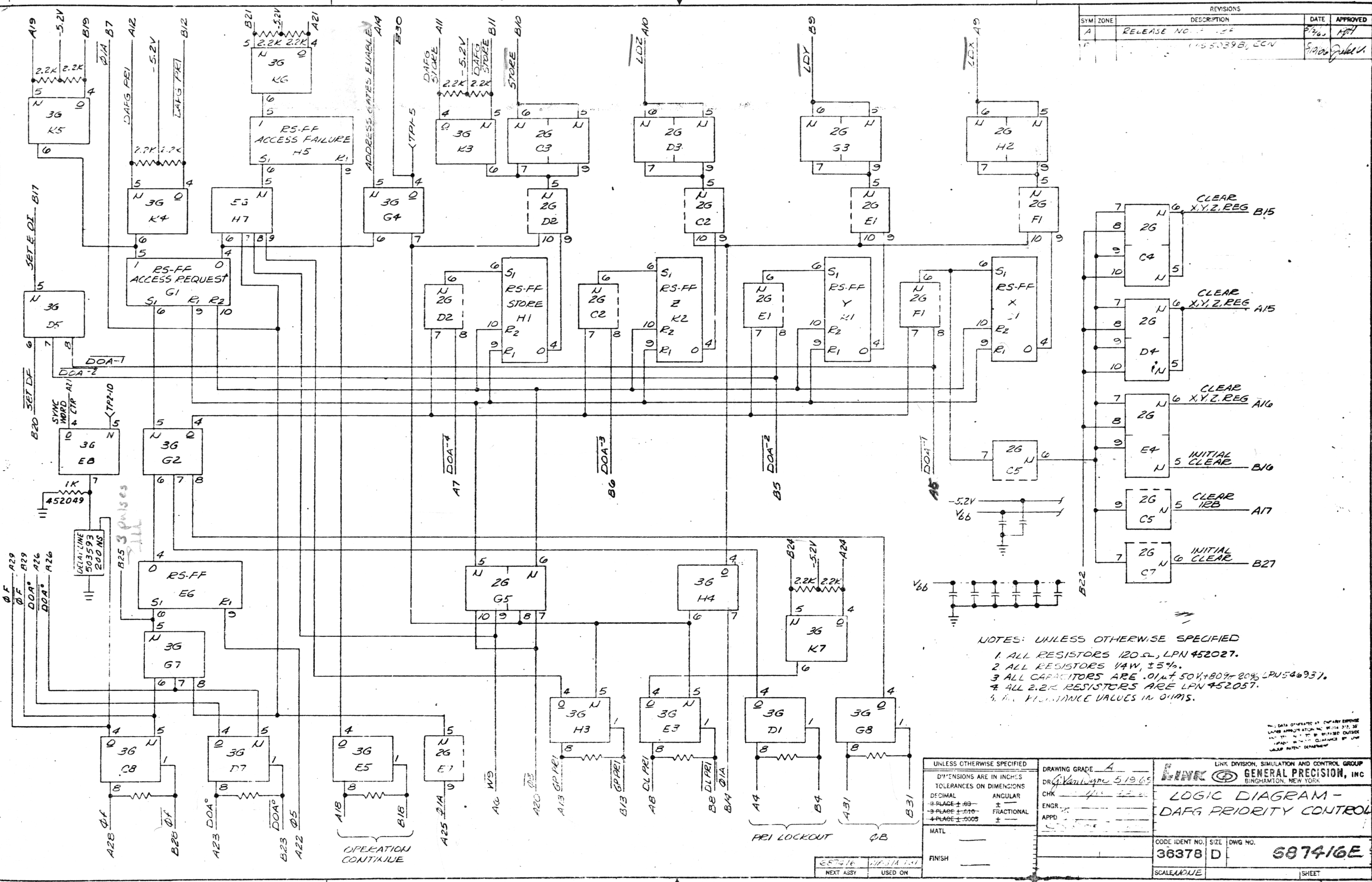
DRAWING GRADE	
DR	Pharmington 1-16-65
CHK	
ENGR	
APPD	

LINK DIVISION, SIMULATION AND CONTROL GROUP	
Link GENERAL PRECISION, INC.	
BINGHAMTON, NEW YORK	
LOGIC DIAGRAM -	
DAFG WORD COUNTER,	
X COMPARETOR	
CODE IDENT NO.	SIZE DWG NO.
36378	D 687334E
SCALE NONE	SHEET

ADVANCE WORD COUNTER
 (10-104)

J117

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		RELEASE NO. 15	5/2/65	HPT
		485 5039B, ECN	5/19/65	J. J. V.



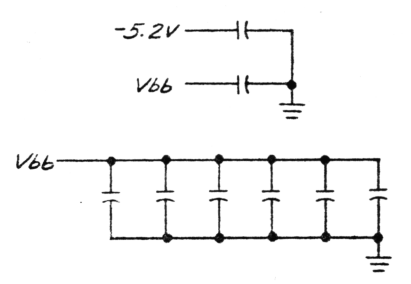
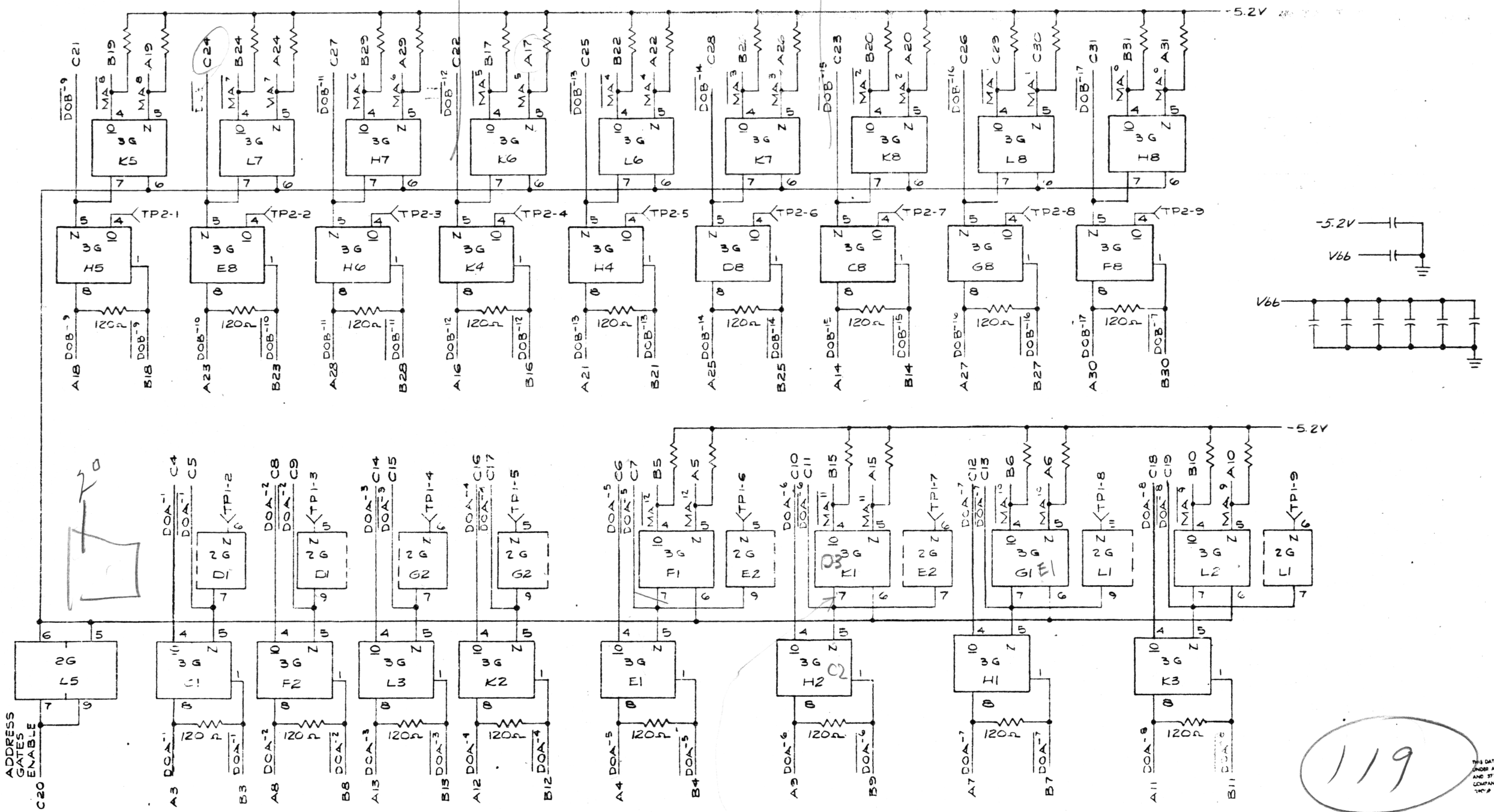
NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS 120Ω, LPN 452027.
2. ALL RESISTORS 1/4W, ±5%.
3. ALL CAPACITORS ARE .01μF 50V, ±20% LPN 546937.
4. ALL 2.2K RESISTORS ARE LPN 452057.
5. ALL DIMENSIONAL VALUES IN DIMS.

UNLESS OTHERWISE SPECIFIED		DRAWING GRADE A		LINK DIVISION, SIMULATION AND CONTROL GROUP	
DIMENSIONS ARE IN INCHES		DRG: Van Dyke 5/19/65		GENERAL PRECISION, INC	
TOLERANCES ON DIMENSIONS		CHK: [Signature]		BINGHAMTON, NEW YORK	
DECIMAL	ANGULAR	LOGIC DIAGRAM -			
±.01	±.01	DAFG PRIORITY CONTROL			
±.005	FRACTIONAL	ENGR: [Signature]		CODE IDENT NO. 36378	
±.0005	±	APPD: [Signature]		SIZE D	
MATERIAL		FINISH		DWG NO. 687416E	
NEXT ASSY		USED ON		SCALE NONE	
				SHEET	

J118

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		RELEASE NO.		



- NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL 120 OHM RESISTORS ARE LPN 452027.
 2. ALL RESISTORS 2.2K, LPN 452057
 3. ALL RESISTORS 1/4W, ±5%
 4. ALL CAPACITORS ARE .01 UF, 50V, ±20%, LPN 546937

FOUND MISSING WIRE ON THIS SHEET

119

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DIMENSIONS DECIMAL ±.010 ±.015 ±.005 ANGULAR ± FRACTIONAL ±	DRAWING GRADE DR. <i>Chiman</i> 17 JAN 65	LINK DIVISION, SIMULATION AND CONTROL GROUP LINK GENERAL PRECISION, INC BINGHAMTON, NEW YORK
	ENGR. <i>[Signature]</i> APPD. <i>[Signature]</i>	
MATL. _____	CODE IDENT NO. 36378	SIZE DWG NO. D
FINISH _____	SCALE NONE	SHEET 687332E

687332	A1/A731
NEXT ASSY	USED ON

687332E