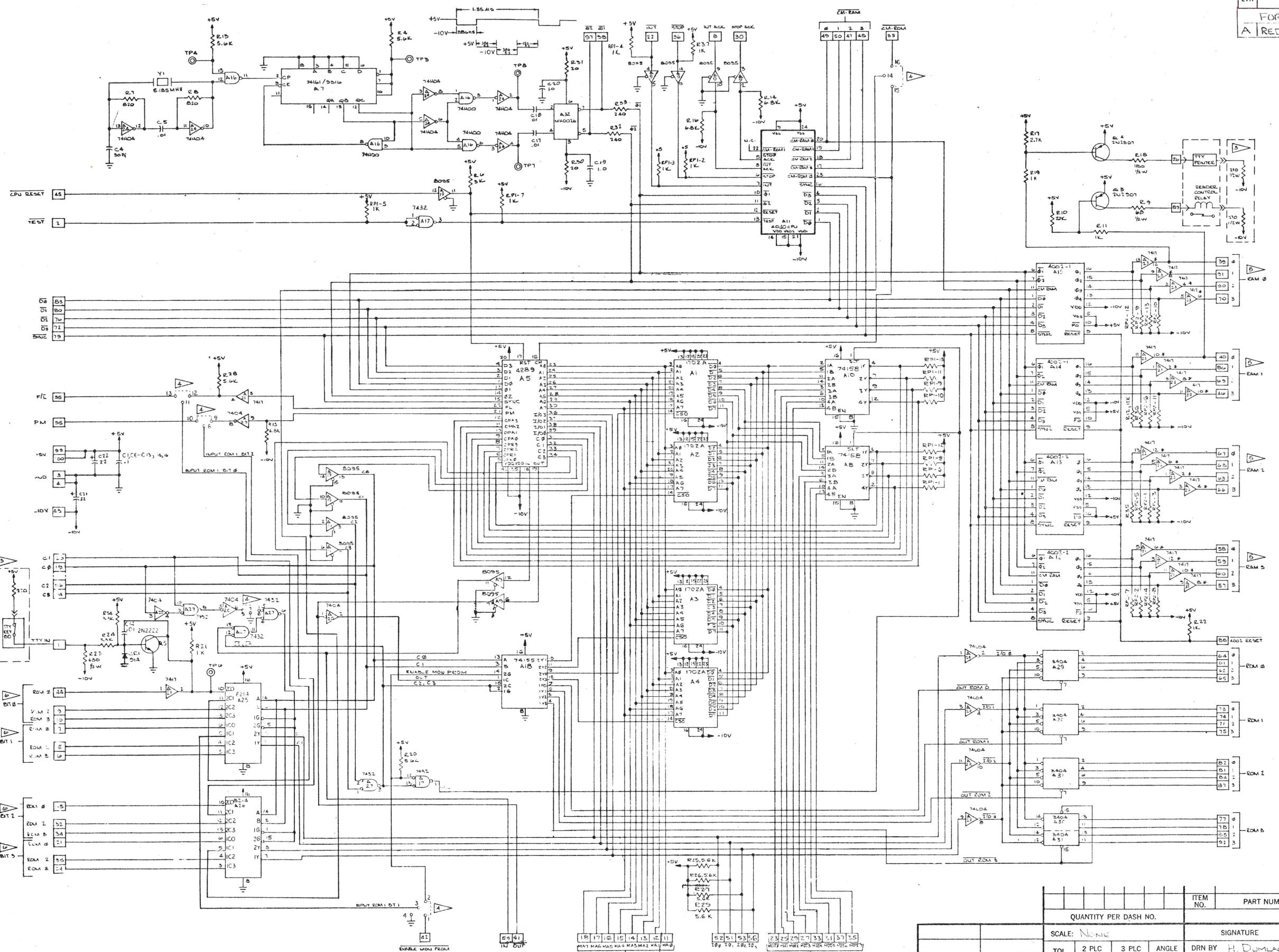


intellec 4  
MOD 40

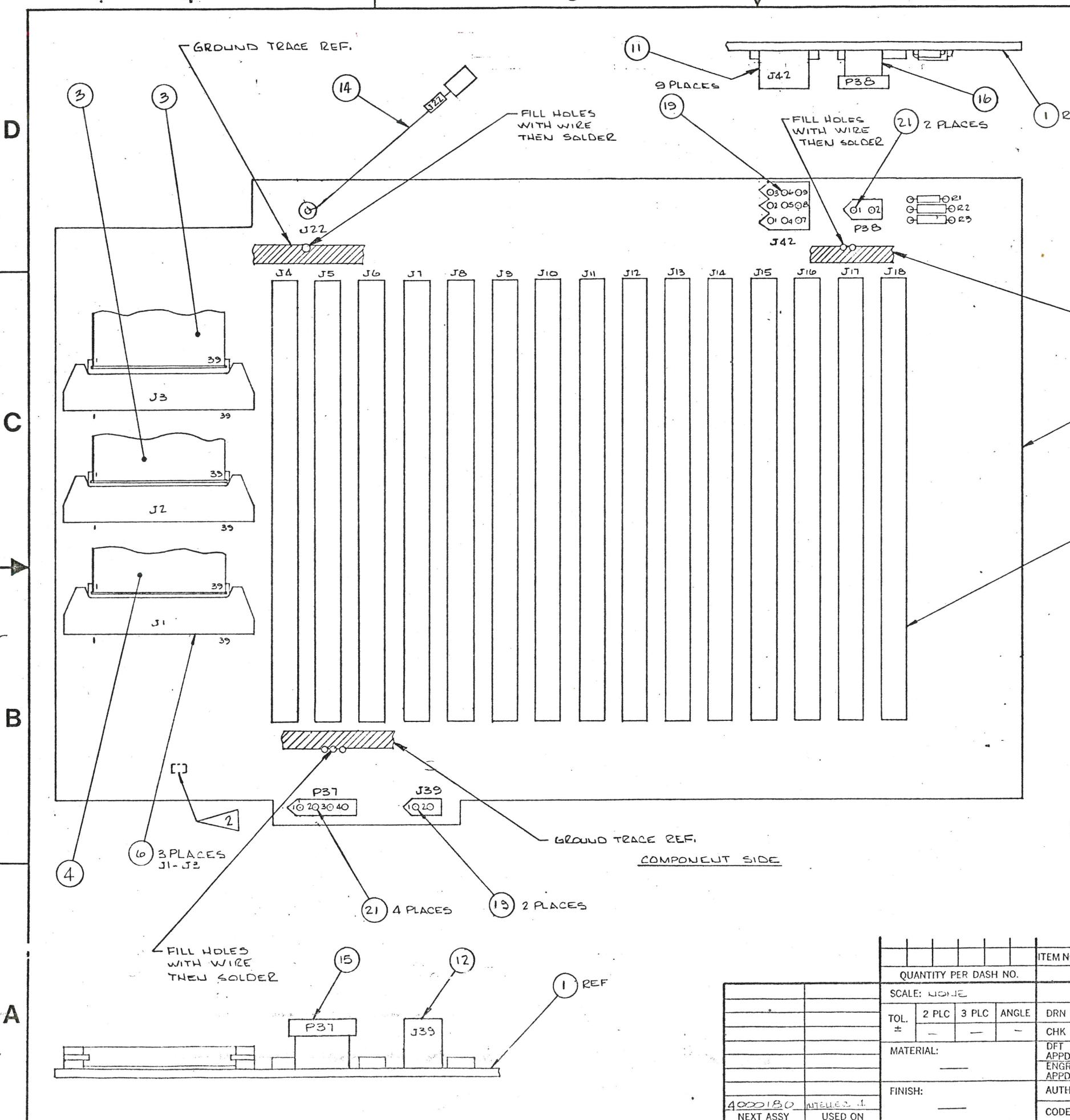
T.M.  
Reference  
Schematic  
Drawings

intel®



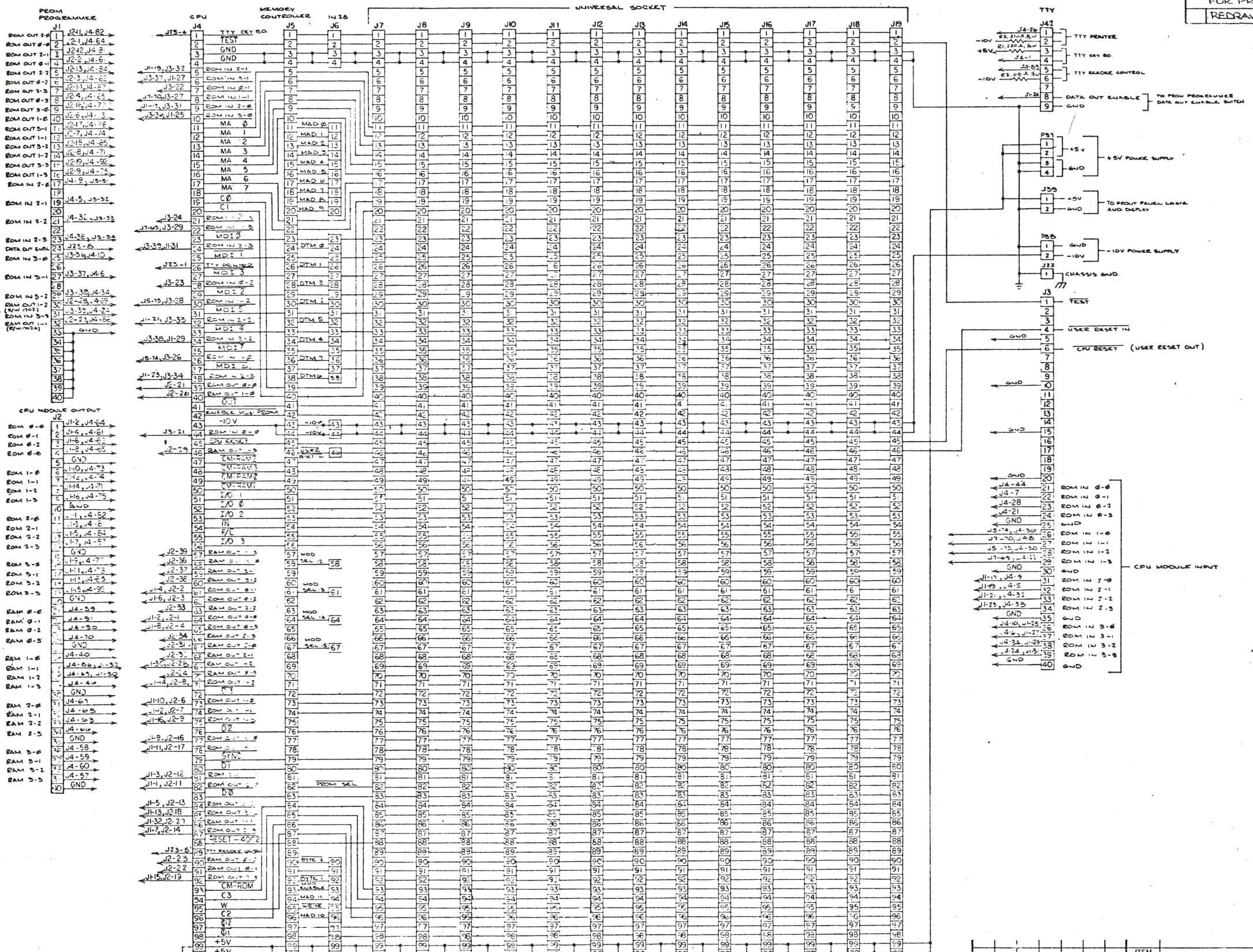


				ITEM NO.	PART NUMBER	DESCRIPTION			
QUANTITY PER DASH NO.				PARTS LIST					
	SCALE: None			SIGNATURE		DATE			
TOL. ±	2 PLC	3 PLC	ANGLE	DRN BY H. DUMLAU	4/8/74		3065 BOWERS AVE. SANTA CLARA CALIF. 95051		
				CHK BY D. PARKS	7/3/74	TITLE			
	MATERIAL:			DFT APPD T. TOOMLEY	7/1/74	SCHEMATIC			
				ENGR APPD E. P. WALKER	7/1/74	CENTRAL PROCESSOR MODULE			
1000C276	FINISH: INT 4/MOD 4C			AUTH BY S. HOW	7/4	SIZE	DEPT	DRAWING NO.	REV
NEXT ASSY				CODE: _____	SHEET 1 OF 1	D	410	2000318	A

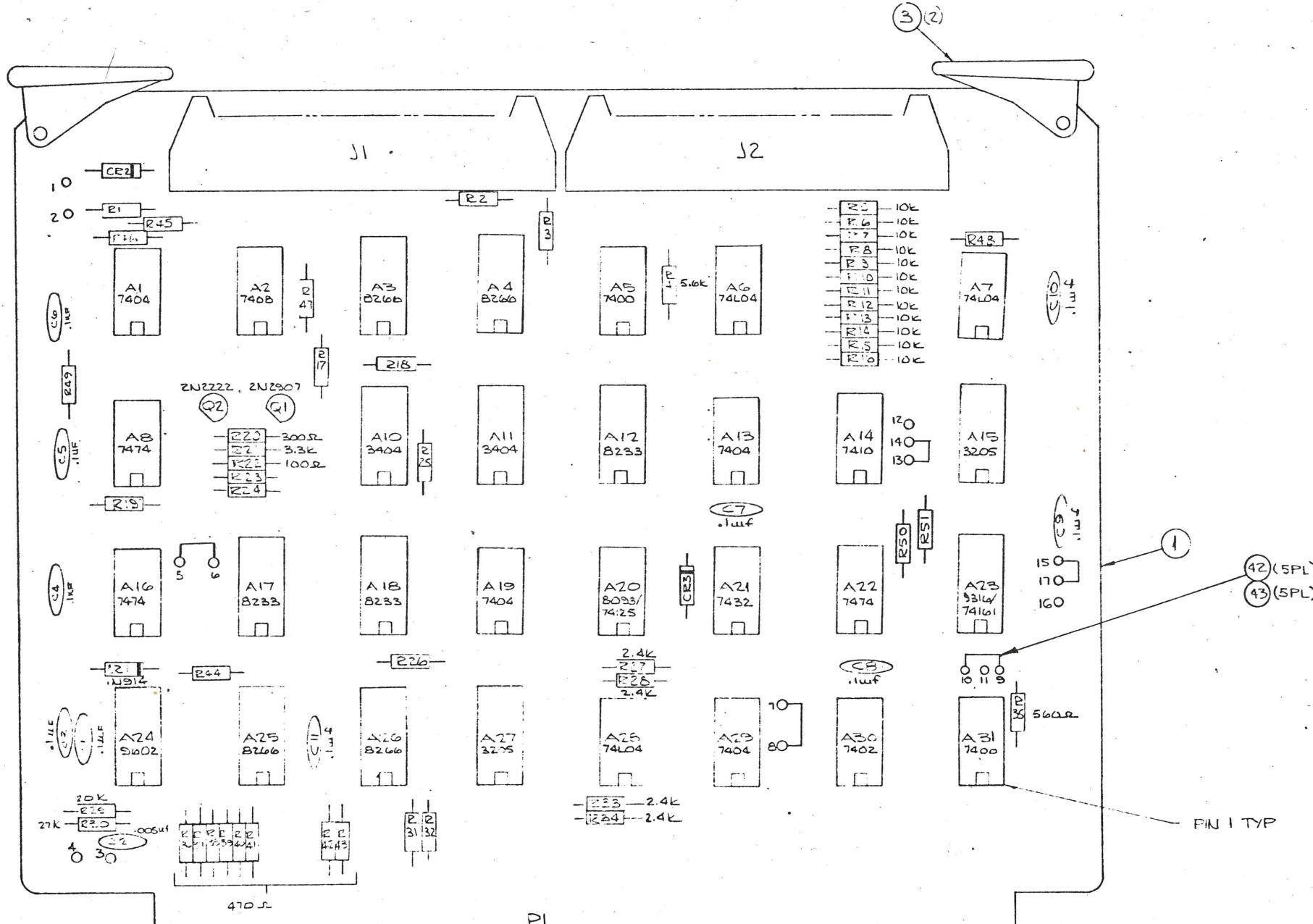


REVISIONS		SIGNATURE AND DATE		
LTR	DESCRIPTION	DFT	CHK	ENGR
I	ENGRA RELEASE	H.D.	1/13/73	
A	PROD RELEASE ADDED MOLEX COUPLER	J.P.	1/13/73	
B	SEG ECO # 000075 FOR CHANGE	H.D.	1/13/73	CAN
B	ADDED ITEM 14, REMOVED ITEM 13918 SEE ECO # 00120-1	H.D.	1/13/73	CAN
C	SCHEMATIC & ARTWORK CHG ONLY SEE ECO # 00134	H.D.	1/13/73	EPW
D	ECO # 00186-6	H.D.	1/13/73	EPW
E	ECO # 00209 P/L ONLY	H.D.	1/13/73	EPW

LTR	DESCRIPTION	SIGNATURE AND DATE
DFT	CHK	ENGR
FOR PREVIOUS REVISIONS SEE HISTORY		
REDRAWN NO CHANGE		



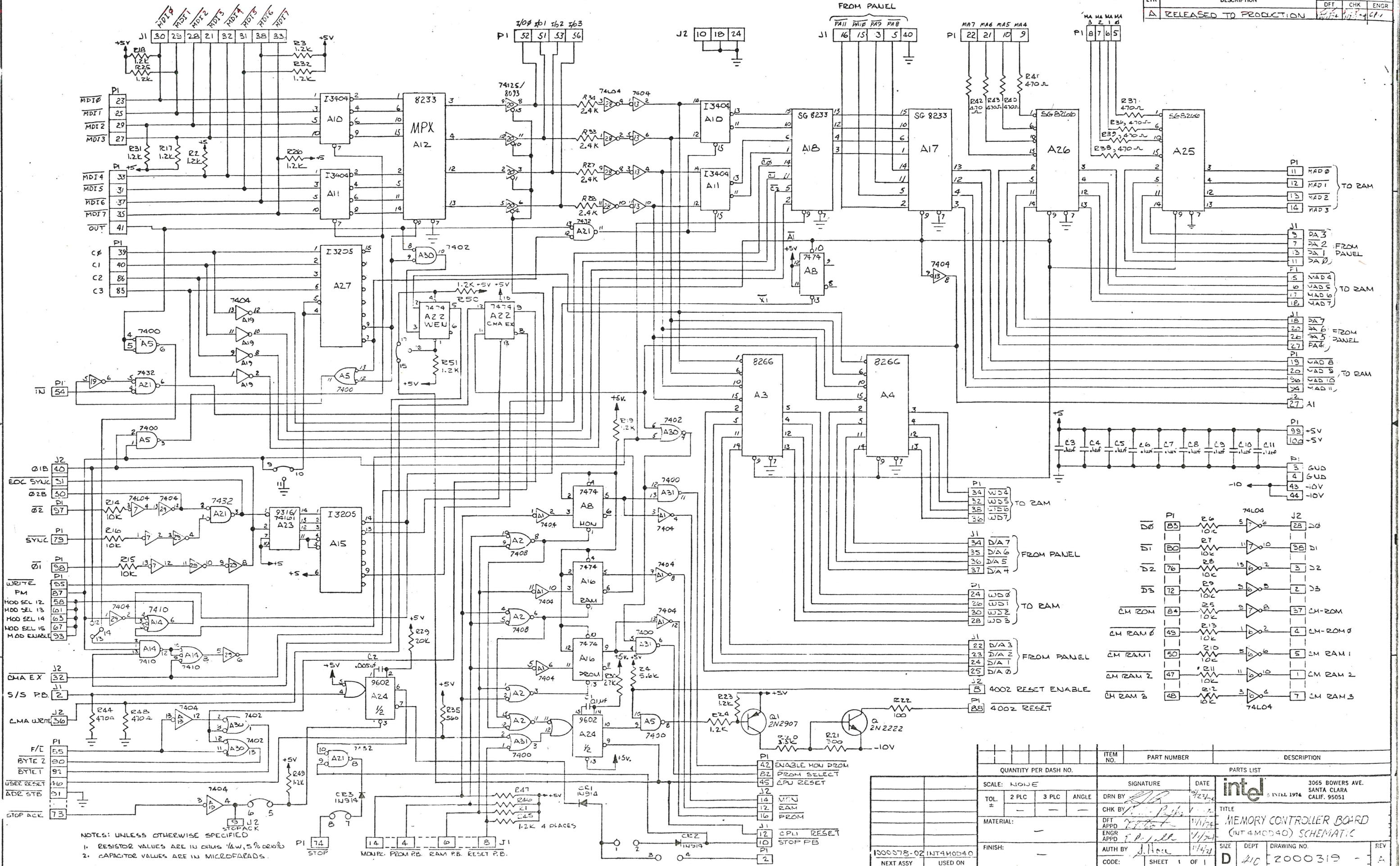
REVISIONS			SIGNATURE AND DATE		
TR	DESCRIPTION		DFT	CHK	ENGR
	SEE SHT # 1		P.F.P.	C.P.	W.J.D.



-02VERSION

NOTES: UNLESS OTHERWISE SPECIFIED  
1. ALL RESISTORS ARE 1.2K, 1/4W, 5% OR 10%  
2. AS IS NOT USED.

LTR	DESCRIPTION			SIGNATURE AND DATE
	DFT	CHK	ENGR	
A	RELEASED TO PRODUCTION			

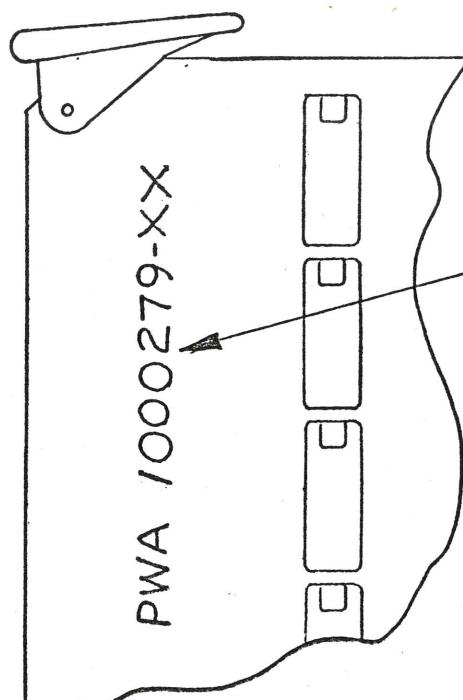


REVISIONS			
LTR	DESCRIPTION	SIGNATURE AND DATE	
	DFT	CHK	ENGR
-	PRODUCTION RELEASE	JES16/74	CDW 5/3/74
A	ADDED NEXT ASSY 4000324 NO ECO	10/14/74	921 5/3/74
B	SEE ECO 00244	4/25/74	W.H.P. CN 4/25/74

PRINTED WIRING ASSEMBLY RAM MEMORY MODULE  
MANUFACTURERS PART NO. 05-0042-XX  
SUPPLIER : INTEL MEMORY SYSTEMS

PRINTED WIRING ASSEMBLY TO BE SUPPLIED  
WITH CURRENT PRINT OF SCHEMATIC 01-0136-XX  
AND ASSEMBLY DRAWING 05-0042-XX

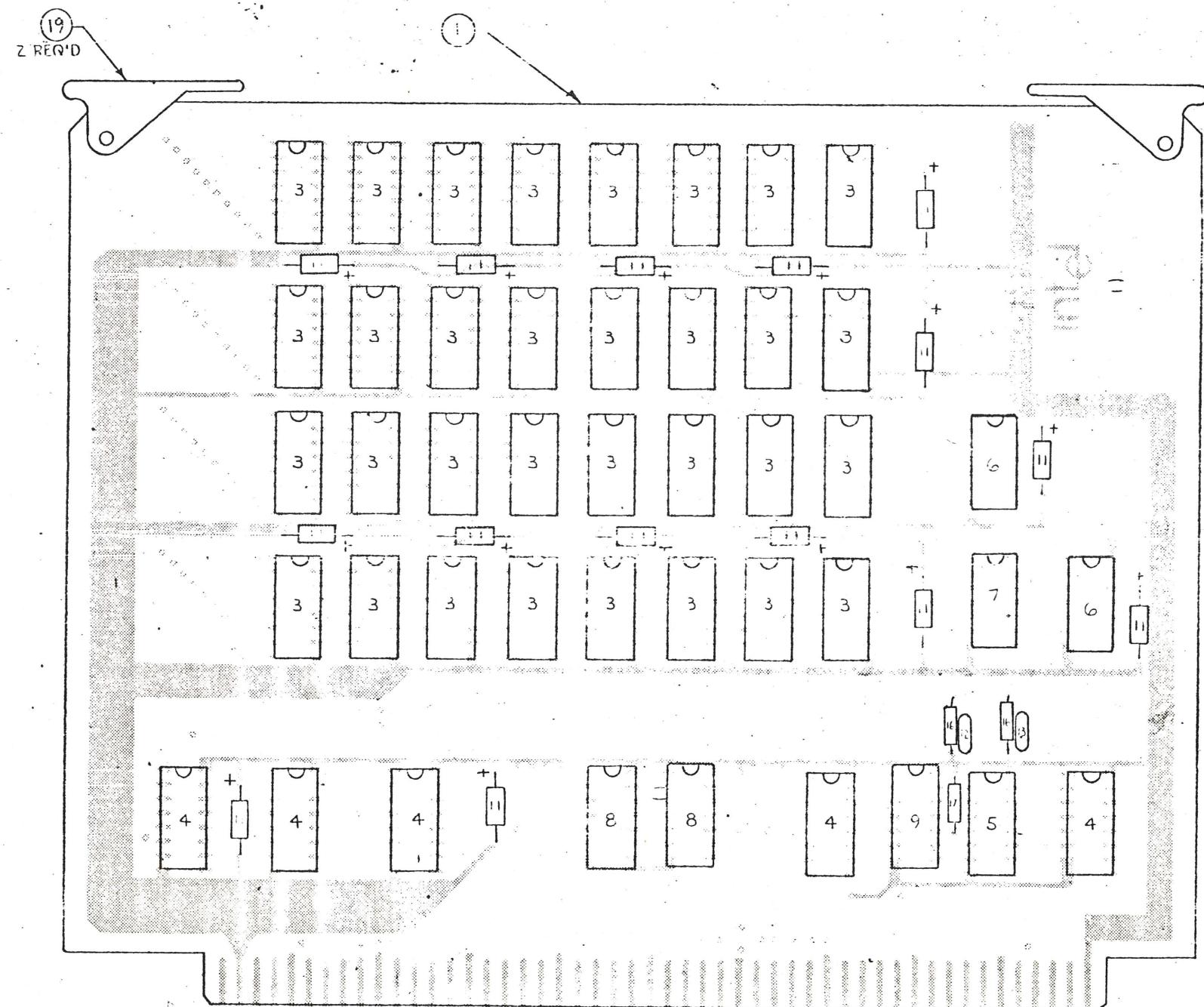
-XX IS THE CURRENT ISSUE NUMBER.



INK STAMP IN AREA SHOWN  
PART NO. PWA 1000279-XX

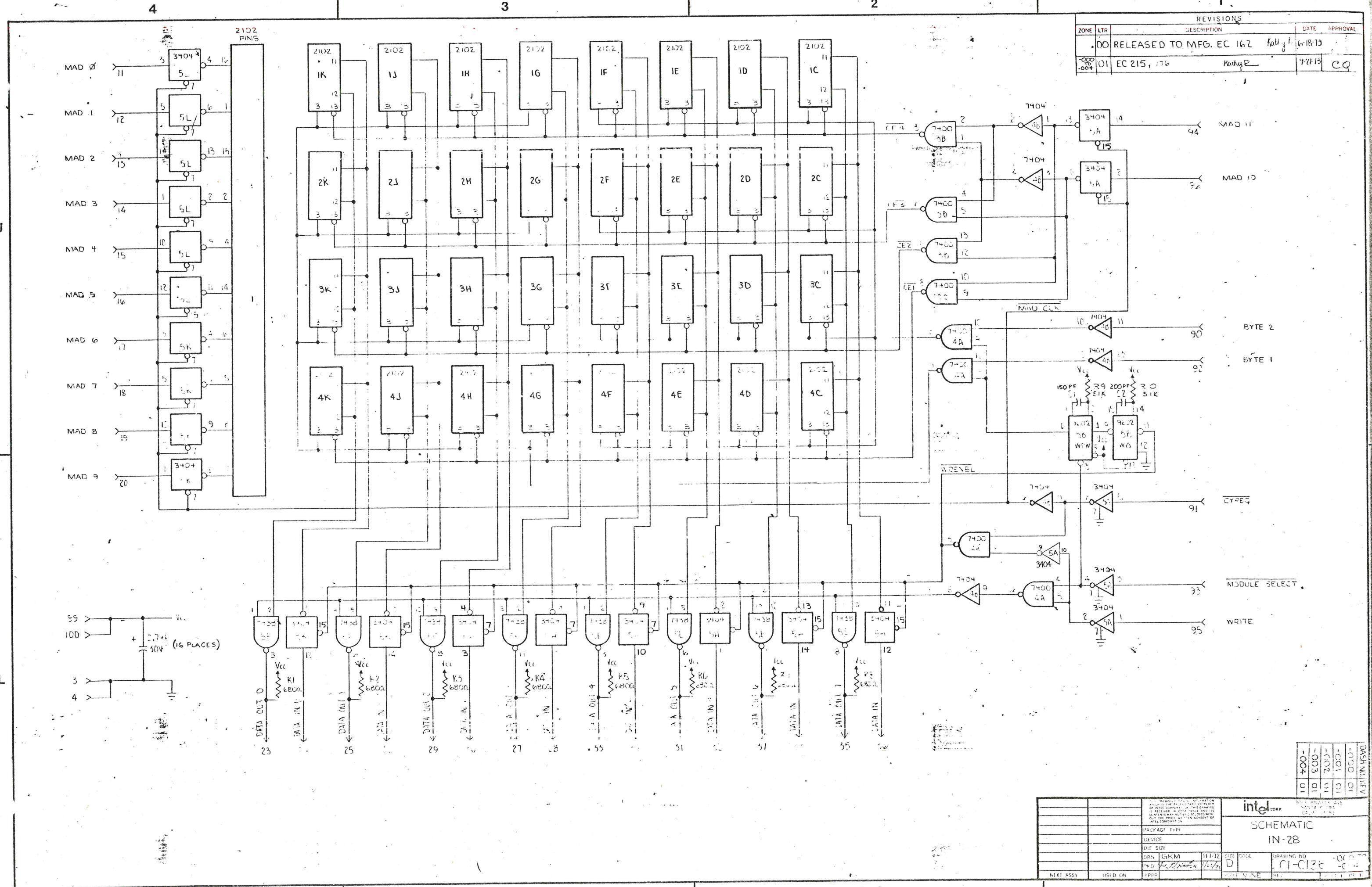
VERSION	DESCRIPTION
-01	4 K RAM
-02	1 K RAM
-03	4K/2102A

QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
SCALE: _____				SIGNATURE		DATE
TOL. ±	2 PLC	3 PLC	ANGLE	DRN BY L.R. FRESE	5/6/74	
	—	—	—	CHK BY H. Emmerling	5/6/74	
MATERIAL:				DFT APPD	3065 BOWERS AVE. SANTA CLARA	
				ENGR APPD	INTEL 1974 CALIF. 95051	
FINISH:				AUTH BY S. HAN	TITLE PRINTED WIRING ASSY RAM MEMORY MODULE	
				CODE: —	SHEET 1 OF 1	REV
NEXT ASSY	USED ON	B	410	1000279	B	

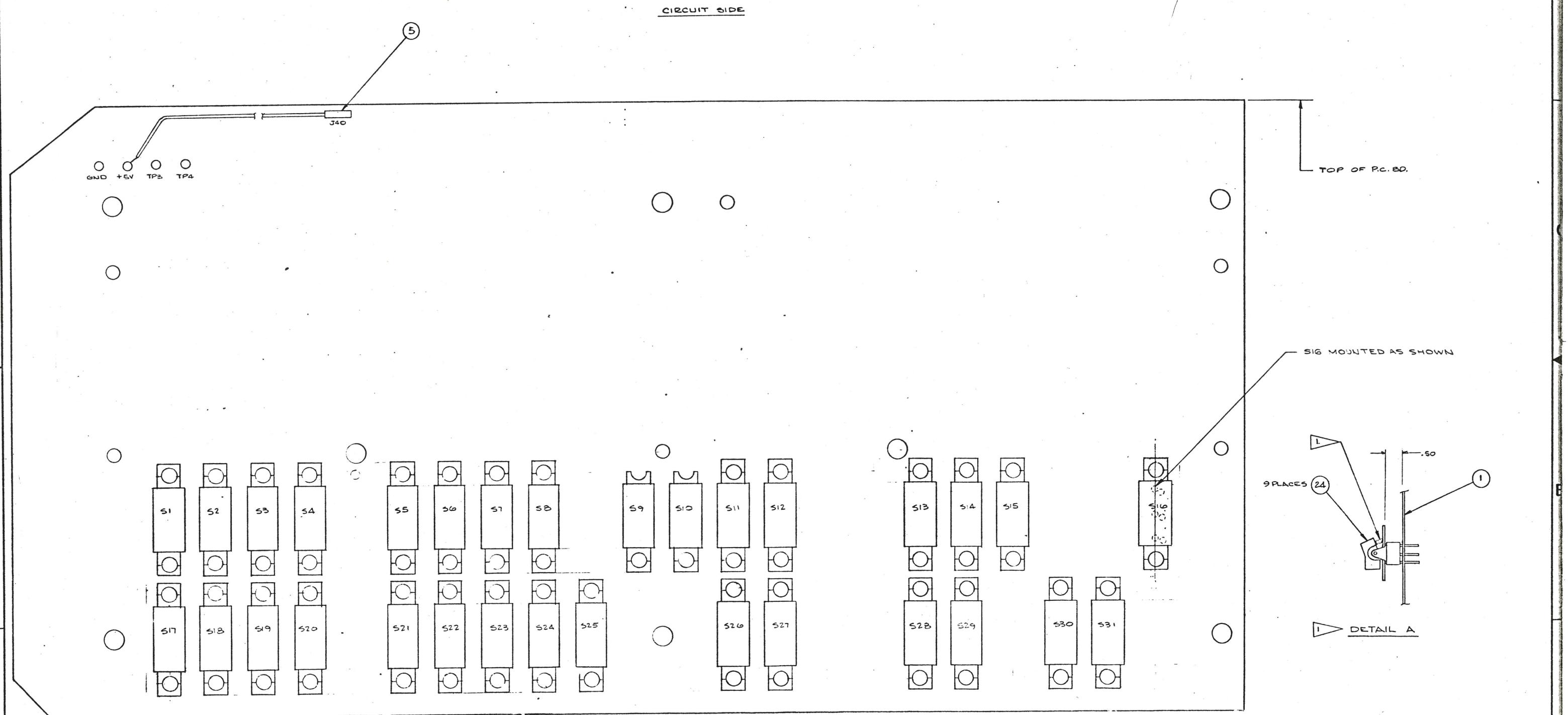


REVISIONS		DESCRIPTION	DATE	APPROVAL
00		RELEASE TO MFG EC 164	6-19-73	Kathy R
01		EC # 188	10-8-73	SP
02		EC # 283	12-17-73	SP
03		E.C. 277 6/17/73	2/25/74	LT

		intel CORP.	
		ASSEMBLY DRAWING IN-28	
		6-4-73	6-27-73
		D	05-0042-000 03
		12:11	9



REVISIONS			
LTR	DESCRIPTION		SIGNATURE AND DATE
	DFT	CHK	ENGR
A	PROD. RELEASE	J.P.M	E.D.W.
B	SEE ECO # 00054 FOR CHG.	5/14/73	C.P.
C	FAB DWG & WORKSHEET CHG ONLY ECO # 00115	H.D.	5/14/73
D	SEE ECO # 00163	L.F.M.	5/14/73
E	SEE ECO # 00197-01	J.H.P.	5/14/73
F	SEE ECO # 00215	G.H.J.	5/14/73



NOTES: UNLESS OTHERWISE SPECIFIED  
 1. S13, 14, 15, S23-S25, S27, S29, S30 ARE SPRING LOADED.  
 SPRING SHOULD BE FACING TOWARD THE TOP OF P.C. BD.  
 SEE DETAIL A FOR MOUNTING SWITCH.

THIS DRAWING CONTAINS INFORMATION WHICH IS THE PROPRIETARY PROPERTY OF INTEL CORPORATION. IT IS RESTRICTED TO CONFIDENCE AND ITS CONTENTS MAY NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF INTEL CORPORATION.

QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
PARTS LIST						
SCALE: 2:1				SIGNATURE	DATE	
TOL:	2 PLC	3 PLC	ANGLE	DRN BY J.L. MCGAR	7/14/73	
±	-	-	-	CHK BY T. MCKEEAN	7/14/73	
MATERIAL:				DFT APPD		
				ENGR APPD		
FINISH:				EPWLM	7/14/73	
NEXT ASSY	USED ON			AUTH BY J.L. MCGAR		
				CODE: SHEET 1 OF 2		
				SIZE: D	DEPT: 410	DRAWING NO: 1000143
						REV: F

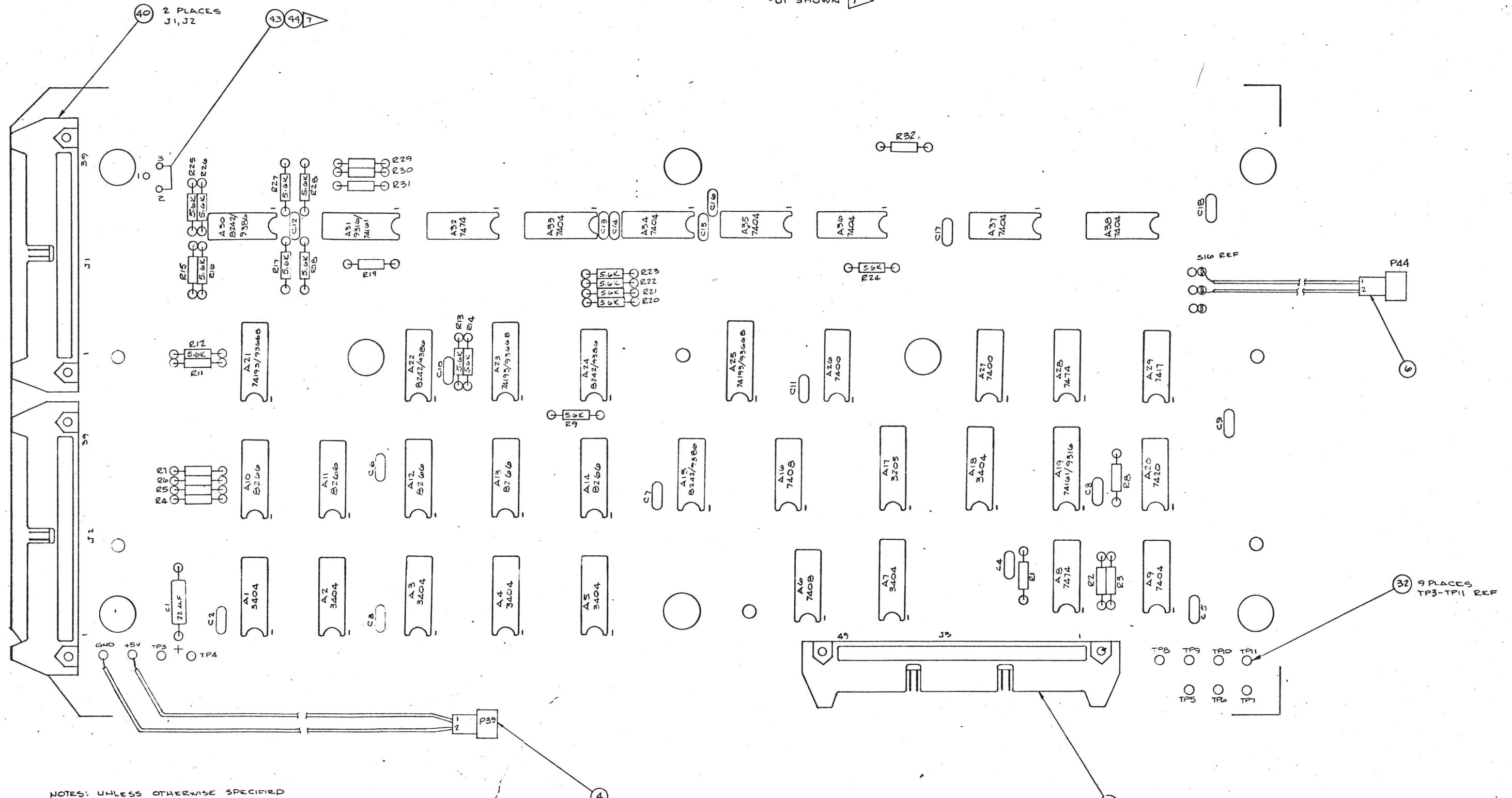
3065 BOWERS AVE.  
 SANTA CLARA  
 CALIF. 95051  
 © INTEL 1974

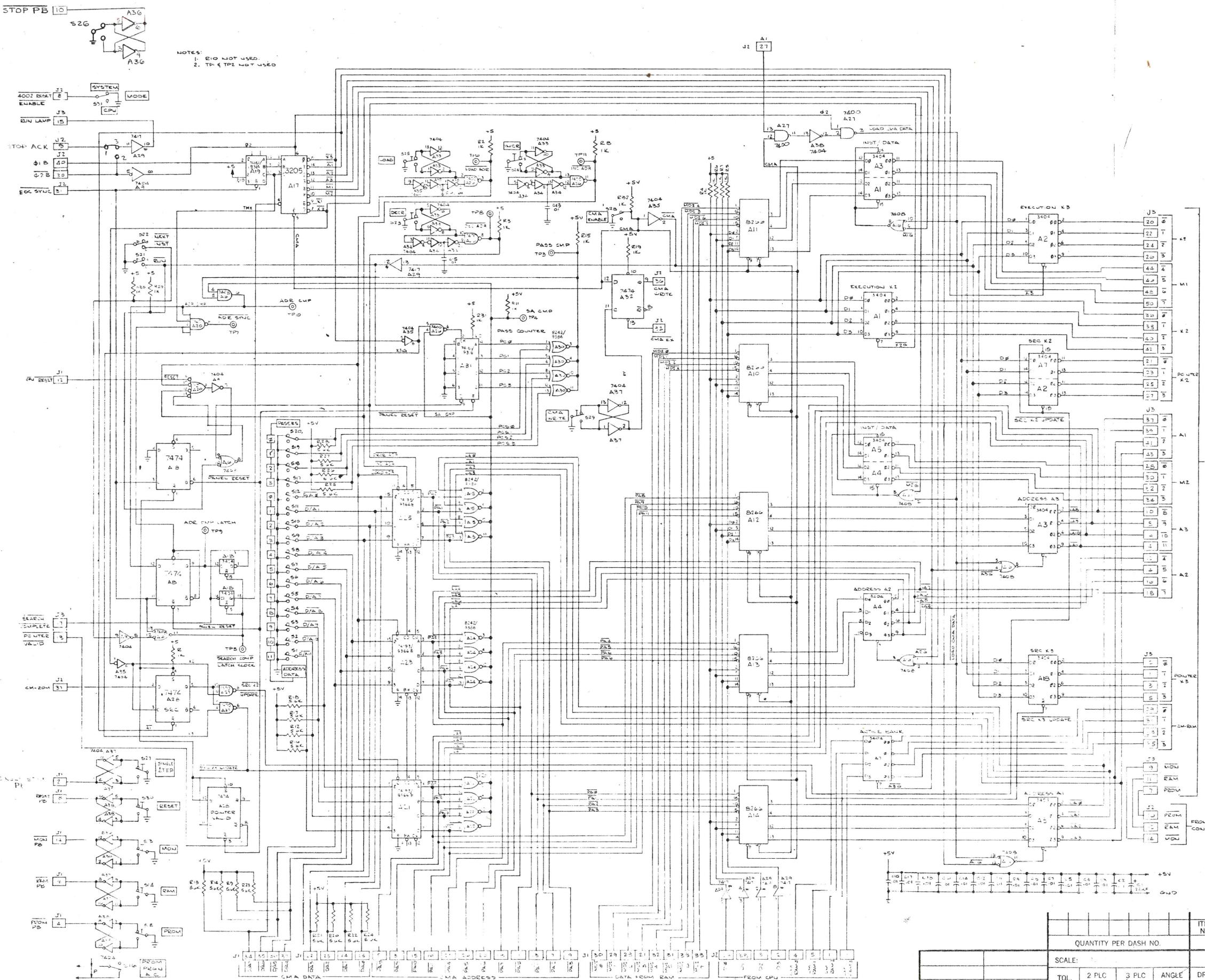
PRINTED WIRING ASSEMBLY  
 FRONT PANEL LOGIC

LTR	DESCRIPTION	DFT	CHK	ENGR
SEESHT #1				

COMPONENT SIDE

-01 SHOWN ▶

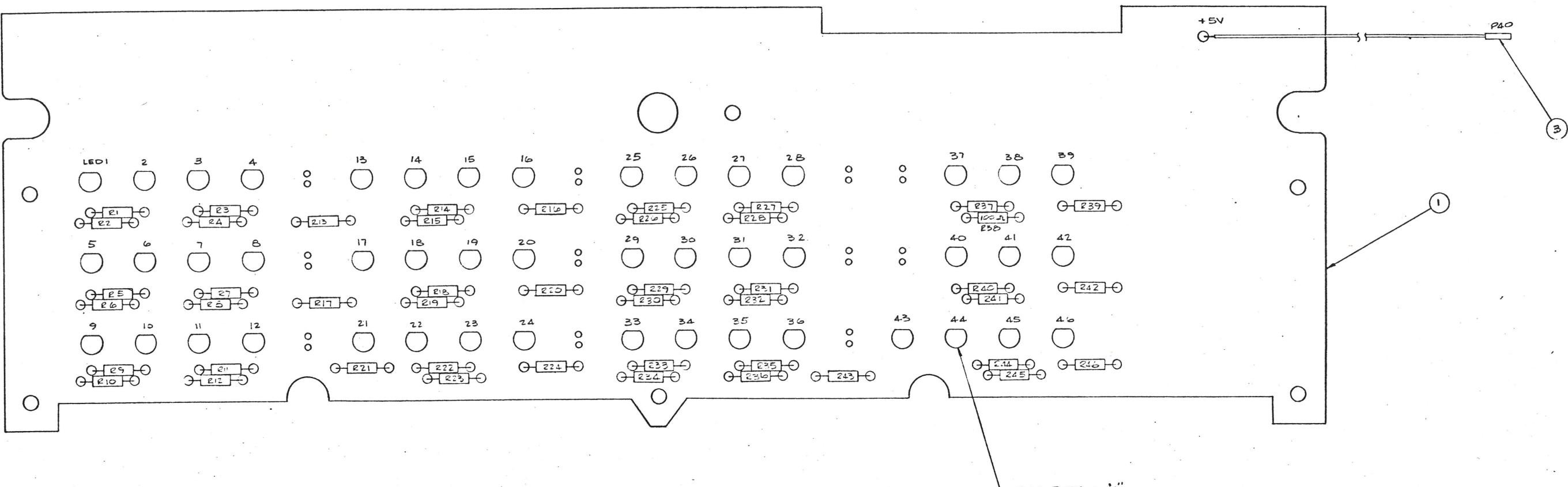
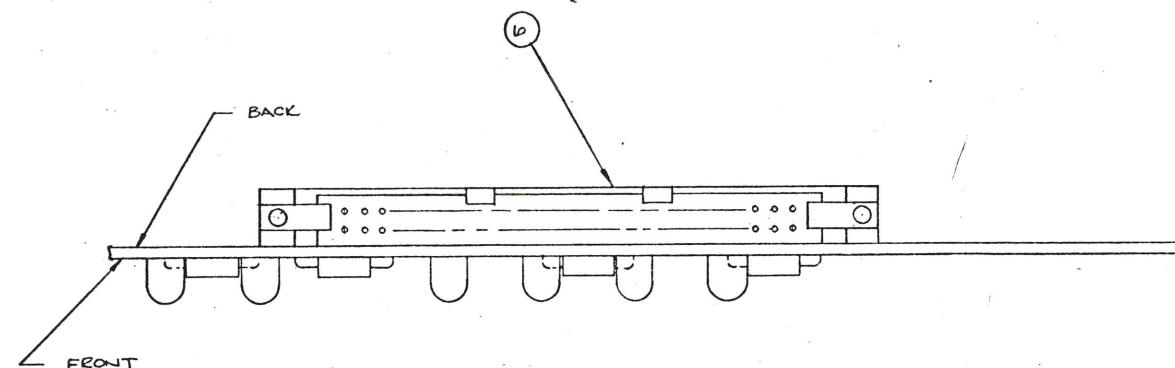




				ITEM NO.	PART NUMBER	DESCRIPTION
QUANTITY PER DASH NO.				PARTS LIST		
	SCALE:			SIGNATURE	DATE	3065 BOWERS AVE. SANTA CLARA © INTEL 1974 CALIF. 95051
	TOL. $\pm$	2 PLC	3 PLC	DRN BY <i>[Signature]</i>	8/1/74	
				CHK BY <i>[Signature]</i>	4/1/74	TITLE SCHEMATIC (INT4 MOD40)
	MATERIAL:			DFT APPD <i>[Signature]</i>	8/1/74	
		ENGR APPD <i>[Signature]</i>		AUTH BY <i>[Signature]</i>	4/1/74	FRONT PANEL LOGIC
	FINISH:			CODE: SHEET 1 OF		SIZE DEPT DRAWING NO.
---02	4 MOD 40				D 410	2000329
NEXT ASSY	USED ON					A

REVISIONS

LTR	DESCRIPTION	SIGNATURE AND DATE		
		DFT	CHK	ENGR
A	PROD. RELEASE	4-2	7-2	10-2
B	ADDED ITEM 3 SEE ECO #00052, #00060	4-2	7-2	10-2



## NOTES:

ALL LED'S ARE INSTALLED ACCORDING TO DETAIL "A".

GOLD PIN



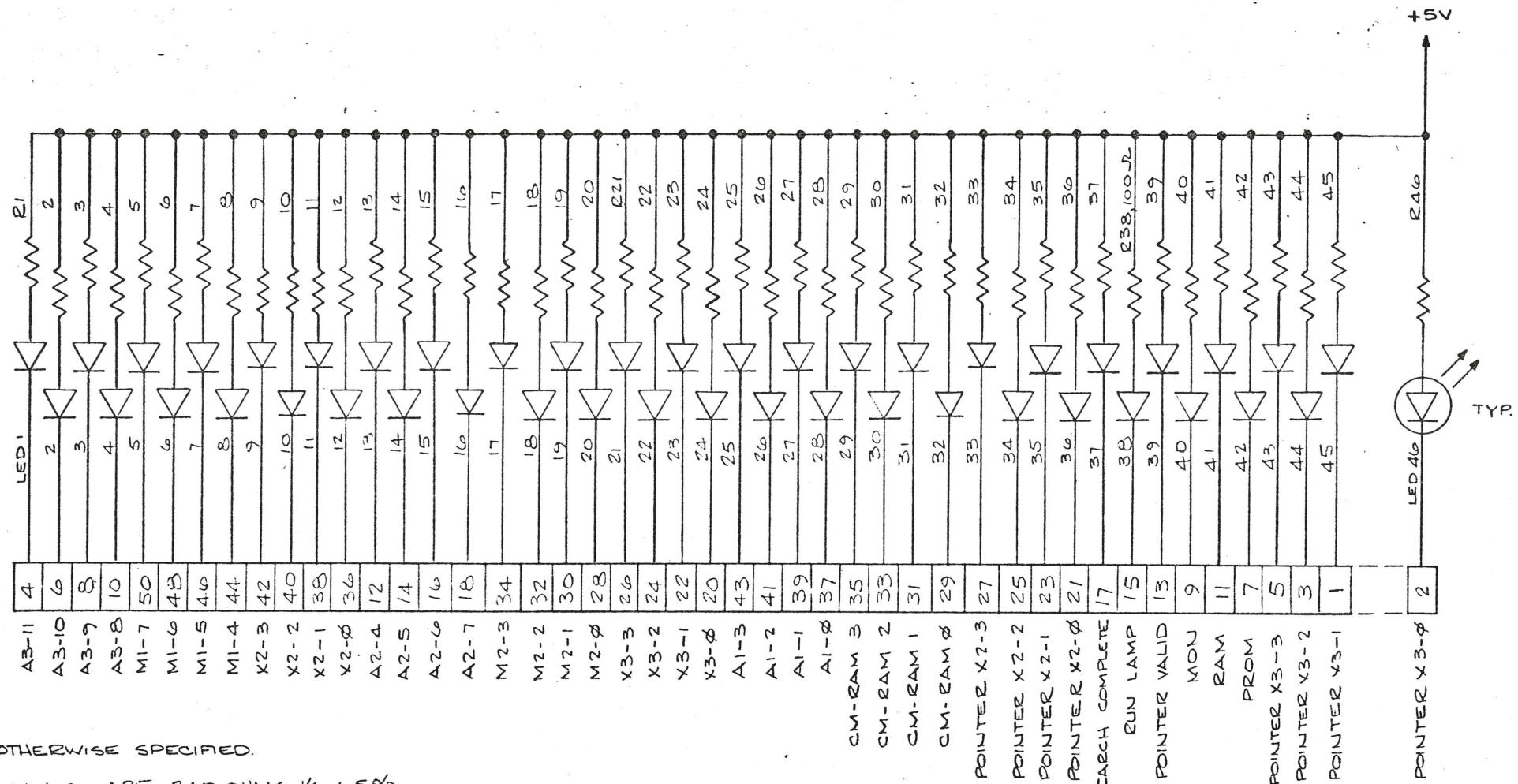
DETAIL A

		QUANTITY PER DASH NO.						
		ITEM NO.	PART NUMBER				DESCRIPTION	
45	7						RESISTOR, 240Ω, 1/4W, 5% 21-37, R39-46	
1	6		3433-1002				CONNECTOR, 3M SCOTCHFLEX 50 PIN	
1	5						RESISTOR, 100Ω, 1/4W, 5% R38	
440	4		SSL-22				LEO'S GE, LED 1-46	
1	3		4000190-02				CABLE ASSY	
REF	2		2000086				SCHEMATIC	
1	1		1000085				PRINTED WIRING BOARD	
PARTS LIST								
		SCALE: 2:1			SIGNATURE		DATE	
TOL.	#	2 PLC	3 PLC	ANGLE	DRN BY	10/23	CHK BY	10/23
MATERIAL:					DFT APPD		ENGR APPD	
FINISH:					10/23	10/23	AUTH BY	10/23
NEXT ASSY		USED ON		CODE:		SHEET 1 OF 1	REV	

intel

3065 BOWERS AVE.  
SANTA CLARA  
CA 95051TITLE:  
PRINTED WIRING ASSEMBLY  
FRONT PANEL DISPLAY BOARDSIZE DEPT DRAWING NO. REV  
D 410 1000084-01 13

REVISIONS		
LTR	DESCRIPTION	SIGNATURE AND DATE
A	PROD. RELEASE	H.D. 9/14/73 J.W. 9/13/73
B	FAB DNG CHG ONLY ECO II OXO3	H.D. 9/16/73 C.W. 9/16/73



QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
SCALE: NONE						
TOL.	2 PLC	3 PLC	ANGLE	DRN BY <i>Lee Fisher</i>	27/73	
#	-	-	-	CHK BY <i>J. P. Agan</i>	1/17/74	
MATERIAL:				DFT		
				APPD		
FINISH:				ENGR		
				APPD		
AUTH BY <i>Lee Fisher</i>						
CODE: SHEET 1 OF 1						

intel 3065 BOWERS AVE.  
SANTA CLARA CALIF. 95051

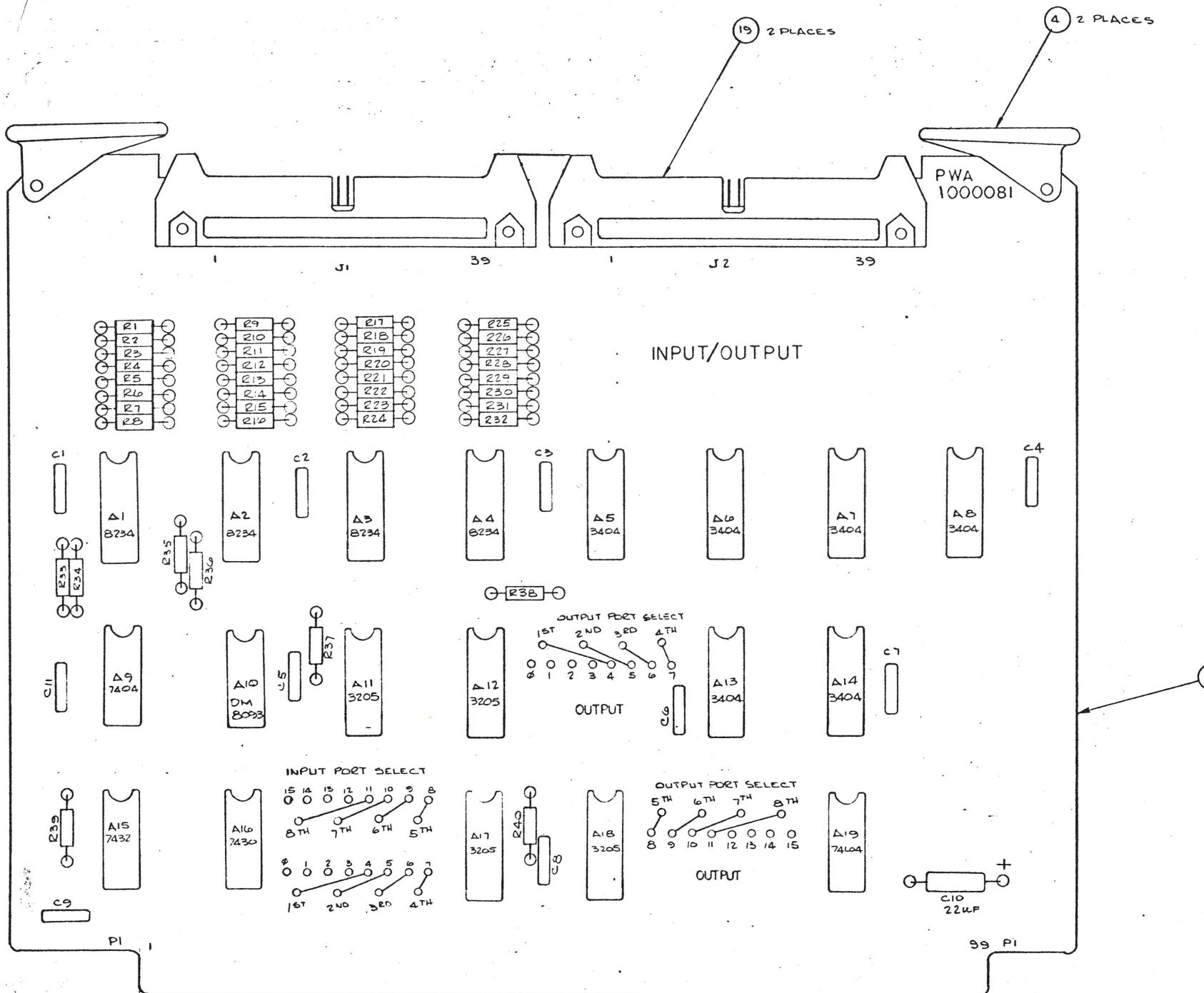
TITLE SCHEMATIC  
FRONT PANEL DISPLAY  
(INTELLOGIC 4)

SIZE DEPT DRAWING NO. REV

C 410 2000036 B

## REVISIONS

LTR	DESCRIPTION	SIGNATURE AND DATE		
		DFT	CHK	ENGR
A	PROD. RELEASE	9/4/73	✓	✓
B	ARTWORK CHG ONLY ECO# 00097	10/2/73	CPV	✓
C	REVISED CIRCUIT ECO # 00102	10/2/73	✓	✓
D	SEE ECO# 00203 P/L ONLY	10/3/74	✓	✓



NOTES: UNLESS OTHERWISE SPECIFIED

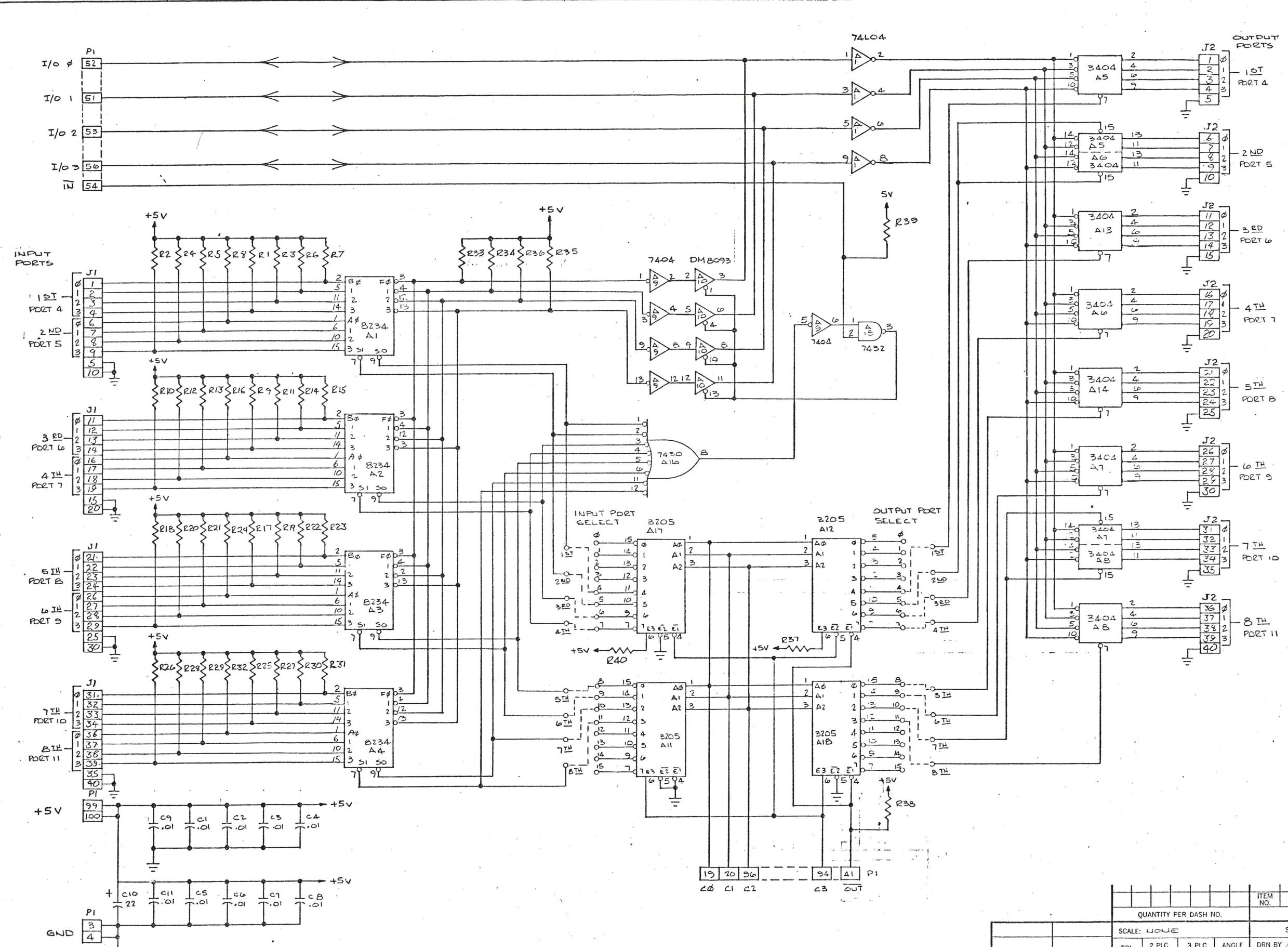
1. RESISTOR VALUES ARE 5.6K OHMS YAW 5% OR 10%
2. CAPACITOR VALUES ARE .01 MICROFARADS

QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
SCALE: 2:1						PARTS LIST
TOL:	2 PLC	3 PLC	ANGLE	SIGNATURE	DATE	
#				DRN BY [Signature]	9/4/73	
MATERIAL:				CHK BY [Signature]	9/4/73	
DFT APPD				DFT APPD		
ENGR APPD				ENGR APPD		
FINISH:				FINISH		
AUTH BY [Signature]				AUTH BY [Signature]		
CODE: [Signature]	SHEET 1 OF 1			CODE: [Signature]	SHEET 1 OF 1	

3065 BOWERS AVE.  
SANTA CLARA  
CA 95051  
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TITLE: PRINTED WIRING ASSEMBLY  
INPUT/OUTPUT MODULE

SIZE: D DEPT: 410 DRAWING NO. 1000081 REV. D



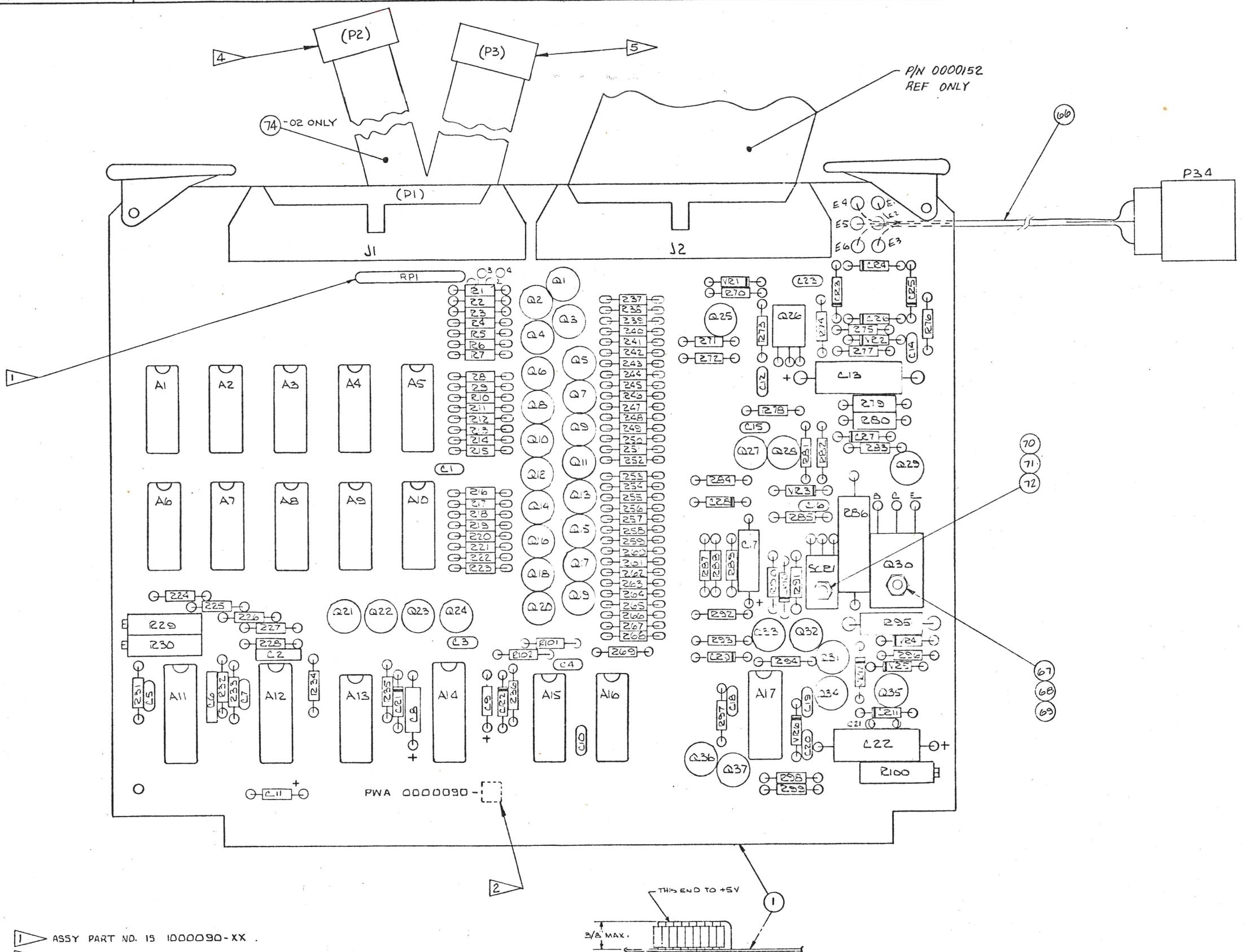
NOTES: UNLESS OTHERWISE SPECIFIED

1. RESISTOR VALUES ARE 5.6K OHMS, 1/4W, 10%  
 2. CAPACITOR VALUES ARE IN MICROFARADS.  
 3. ALL PORTS ARE POSITIVE TRUE.

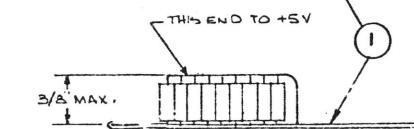
4. PORTS NORMALLY SELECTED AS SHOWN,  
 BUT MAYBE SELECTED TO SUIT SYSTEM CONFIGURATION  
 5. PORTS ARE SHOWN AS WIRE AT ASSEMBLY.

				ITEM NO.	PART NUMBER		DESCRIPTION			
QUANTITY PER DASH NO.				PARTS LIST						
SCALE: NONE				SIGNATURE		DATE	3065 BOWERS AVE. SANTA CLARA C INTEL 1974 CALIF. 95051			
TOL. $\pm$	2 PLC	3 PLC	ANGLE	DRN BY <i>Amber</i>	<i>1/2/74</i>	<i>1/2/74</i>	TITLE SCHEMATIC INPUT/OUTPUT			
	-	-	-	CHK BY <i>T. MCGGAN</i>	<i>1/3/74</i>	<i>1/3/74</i>				
MATERIAL:				DEPT						
				APPD						
				ENGR						
				APPD						
FINISH:				AUTH BY <i>E.P. 1/1</i>						
				CODE: <i>1000081</i>	SHEET <i>1</i>	OF <i>1</i>	SIZE	DEPT	DRAWING NO.	REV
1000081	INTELLEC 4					<b>D</b>	410	2000083		D
NEXT ASSY		USED ON								

88 7 6 5 4 3 2 1



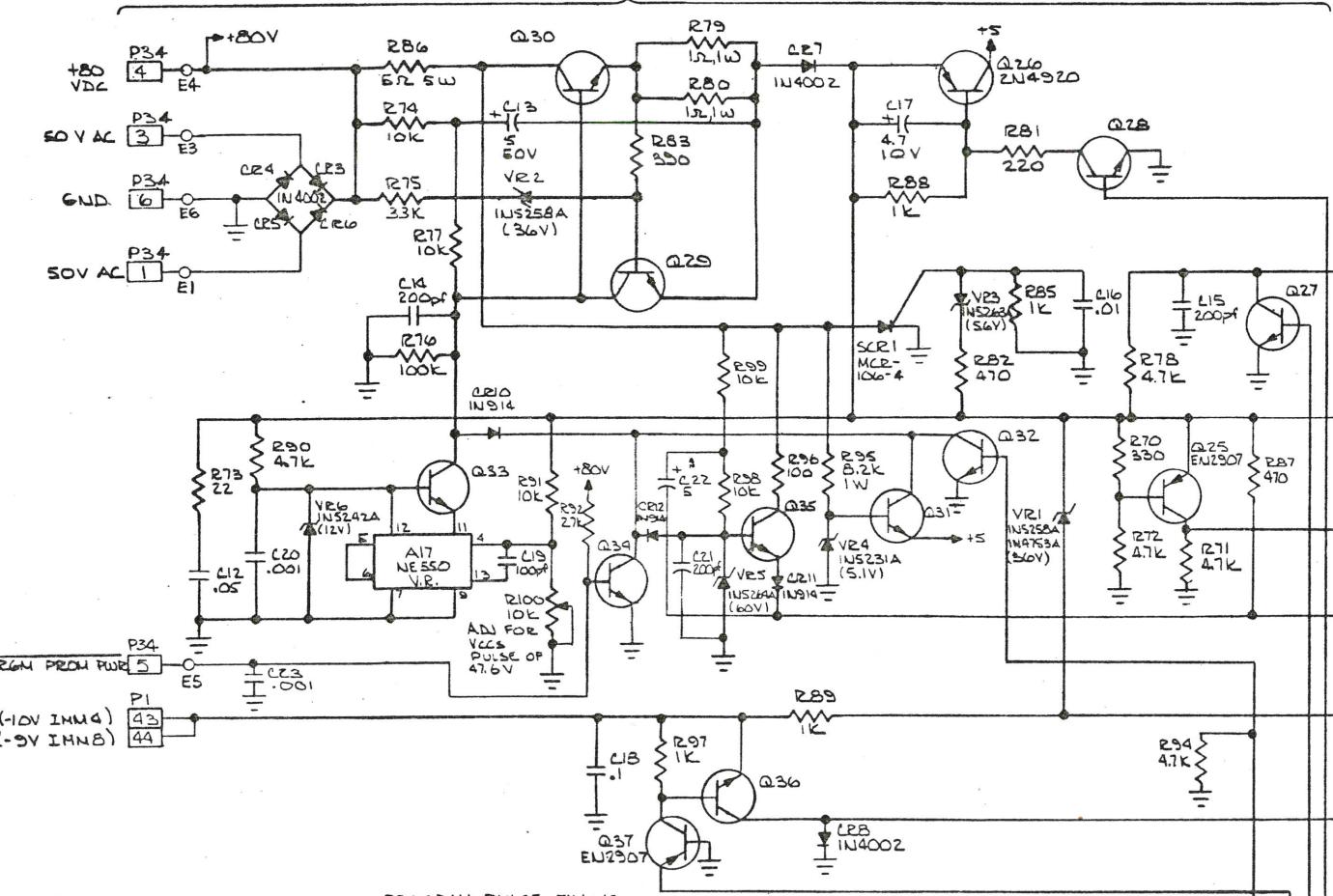
- ASSY PART NO. IS 1000090-XX .
  - MARK DASH NO. IN POSITION SHOWN.
  - INDIVIDUAL RESISTOR MAY BE SUBSTITUTED  
IF RESISTOR PACK IS NOT AVAILABLE SEE DETAIL FOR INSTALLATION
  - P3 END OF CABLE CONNECTS TO I/O MODULE , J2 .
  - P2 END OF CABLE CONNECTS TO I/O MODULE , J3 .



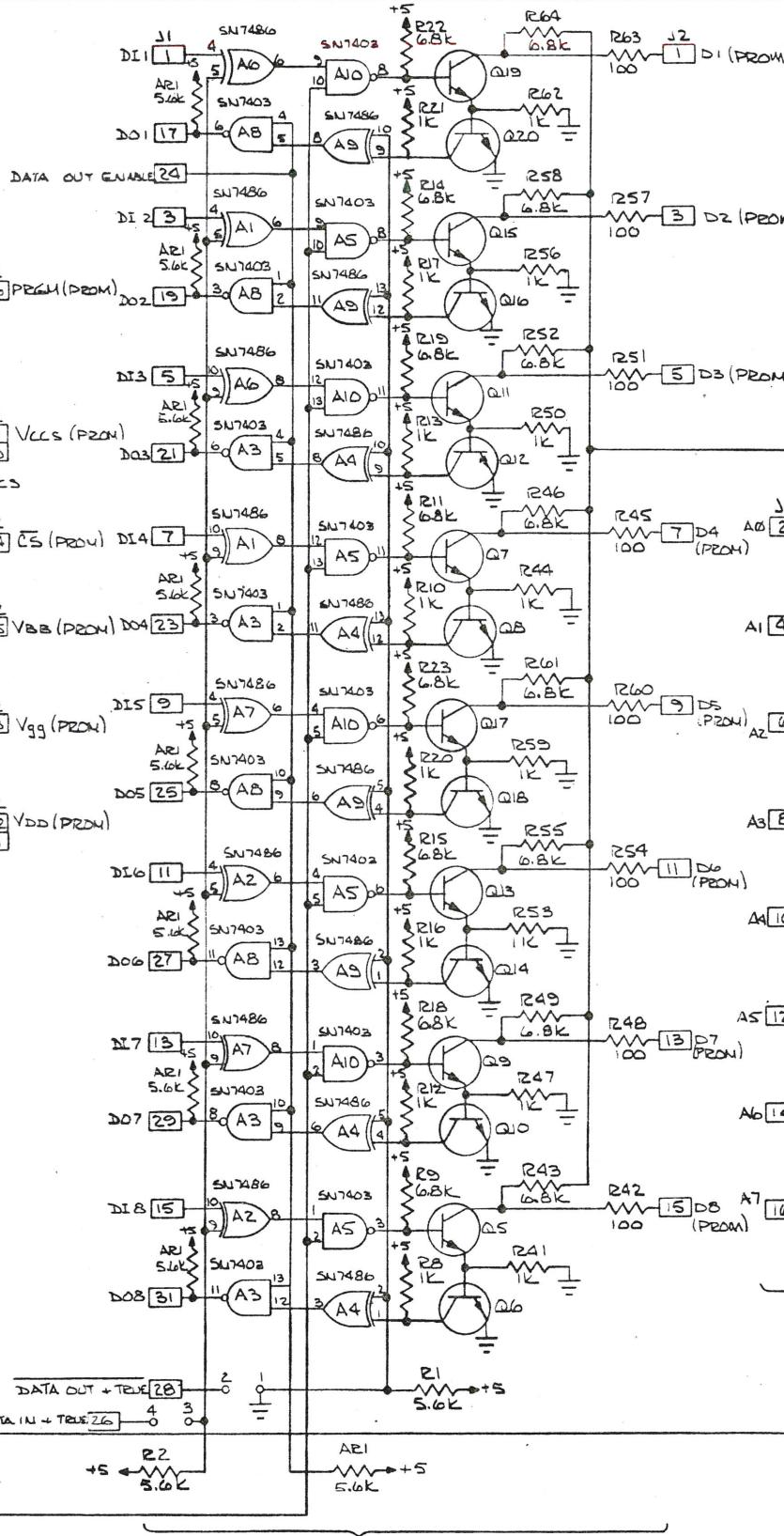
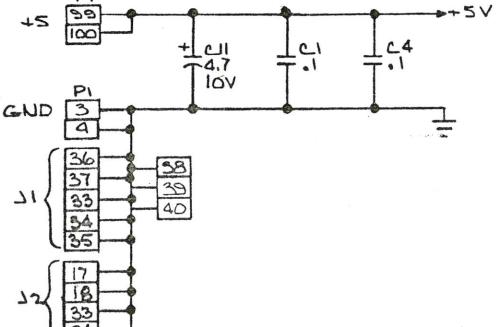
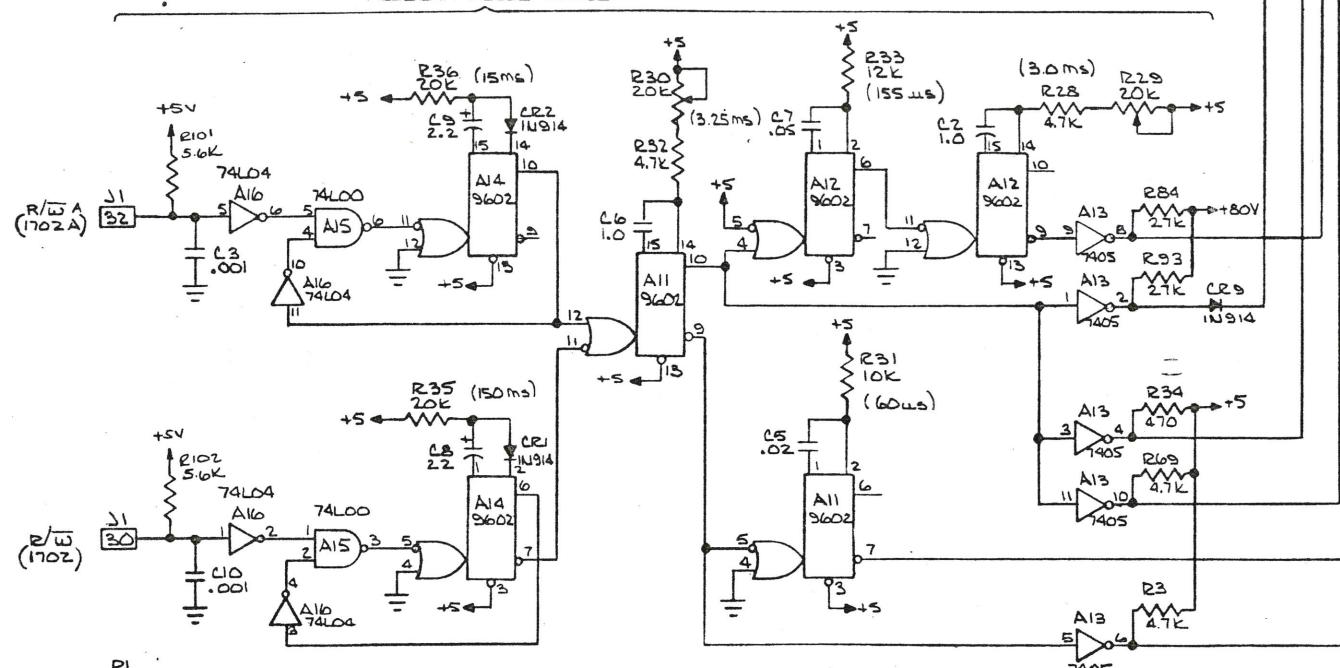
RPI SUBSTITUTED

PIN	6	E6			SCALE: 1:1	SIGNATURE	DATE	3065 BOWERS AVE. SANTA CLARA TEL 1974 CALIF. 95051	
5	E5			TOL.	2 PLC	3 PLC	ANGLE	DRN BY <u>J.S. Dean</u> 8/21/83	
4	E4							CHK BY <u>Taylor Mancini</u> 8/21/83	
3	E3	4000324	INT 4 MOD 90	MATERIAL:				TITLE	
2	—	4000283	INT. 8 MOD 80	DFT	PRINTED WIRING ASSEMBLY				
PIN	1	E1	40002126	APPD	DROM PROGRAMMER				
P34	P.W.A.	4002100	INT. 4/-01	ENGR					
WIRE	LIST	NEXT ASSY	USED ON	APPD					
				FINISH:	AUTH BY <u>J.S. Dean</u> 8/21/83	SIZE	DEPT	DRAWING NO.	REV
					CODE: D	410	1000090	J	

## POWER SUPPLY REGULATOR

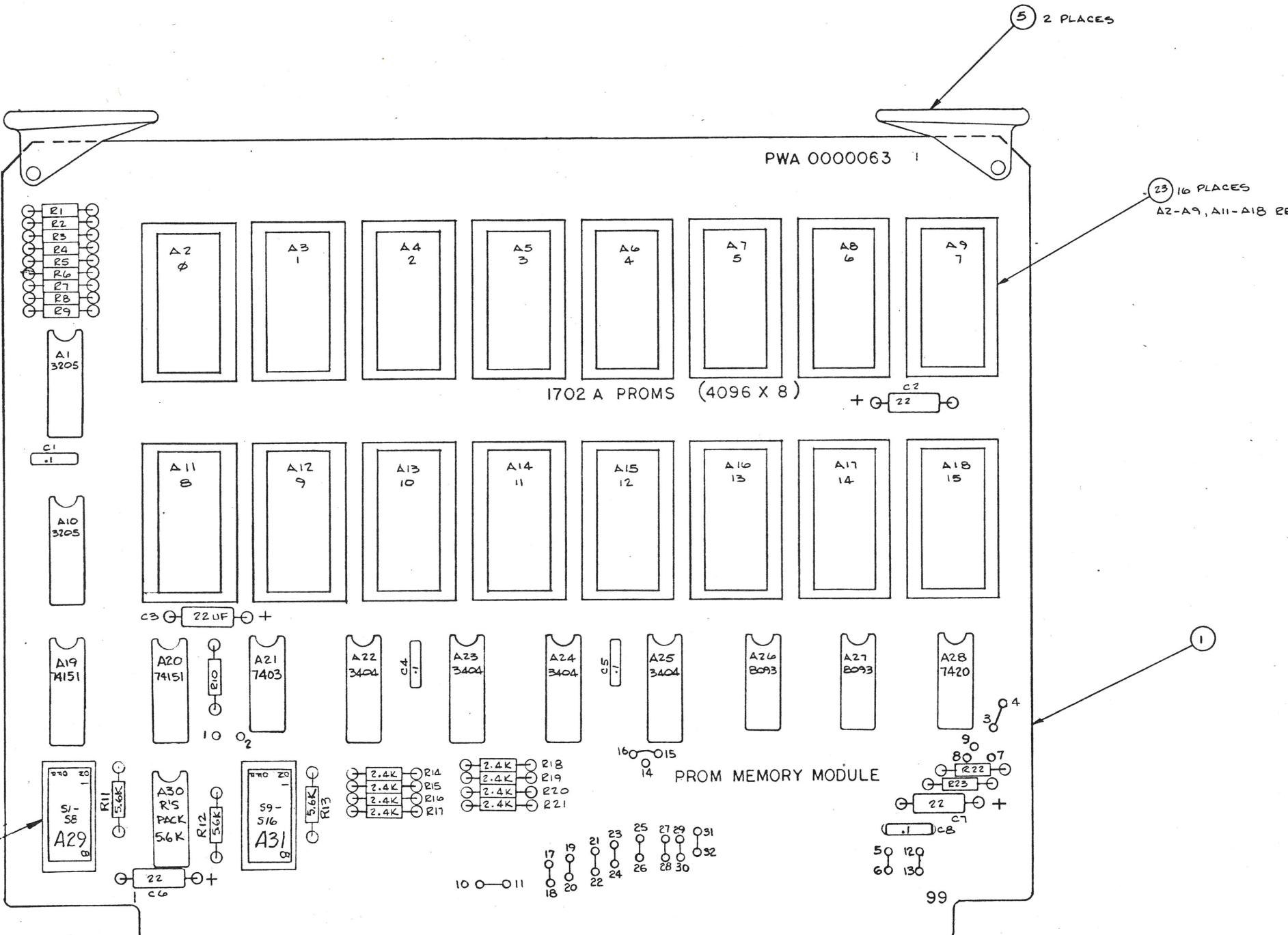


## PROGRAM PULSE TIMING



## REVISIONS

LTR	DESCRIPTION	SIGNATURE AND DATE		
		DFT	CHK	DATE
I	ENRG RELEASE	W.D.	6/21/93	6/21/93
A	PRODUCTION RELEASE	J-F-73	6/21/93	6/21/93

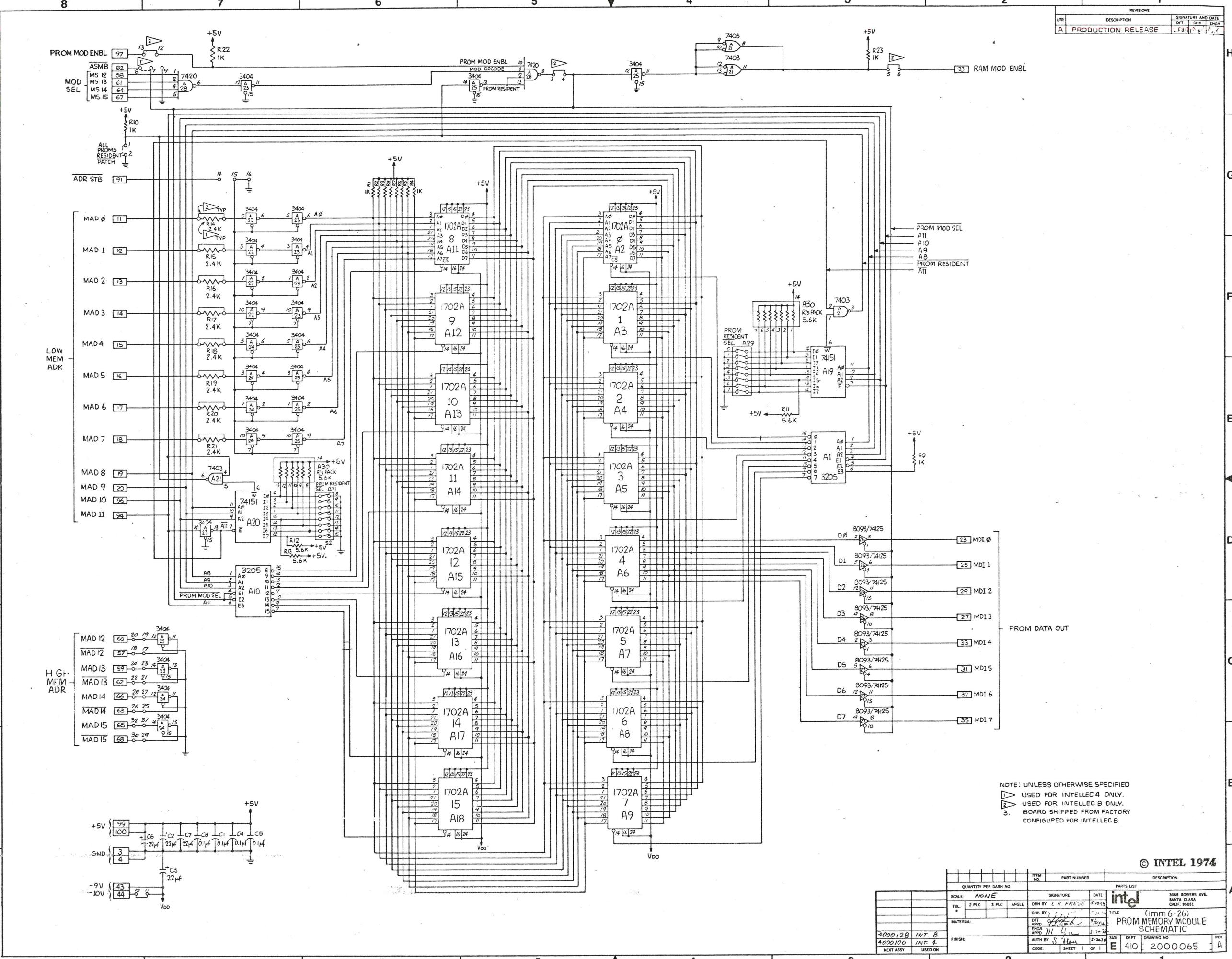


NOTES: UNLESS OTHERWISE SPECIFIED.

1. RESISTOR VALUES ARE 1K OHMS, 1%W, 5% OR 10%
  2. CAPACITOR VALUES ARE IN MICROFARADS.
  3. BOARD SHIPPED FROM FACTORY CONFIGURED FOR INTEL EC 8

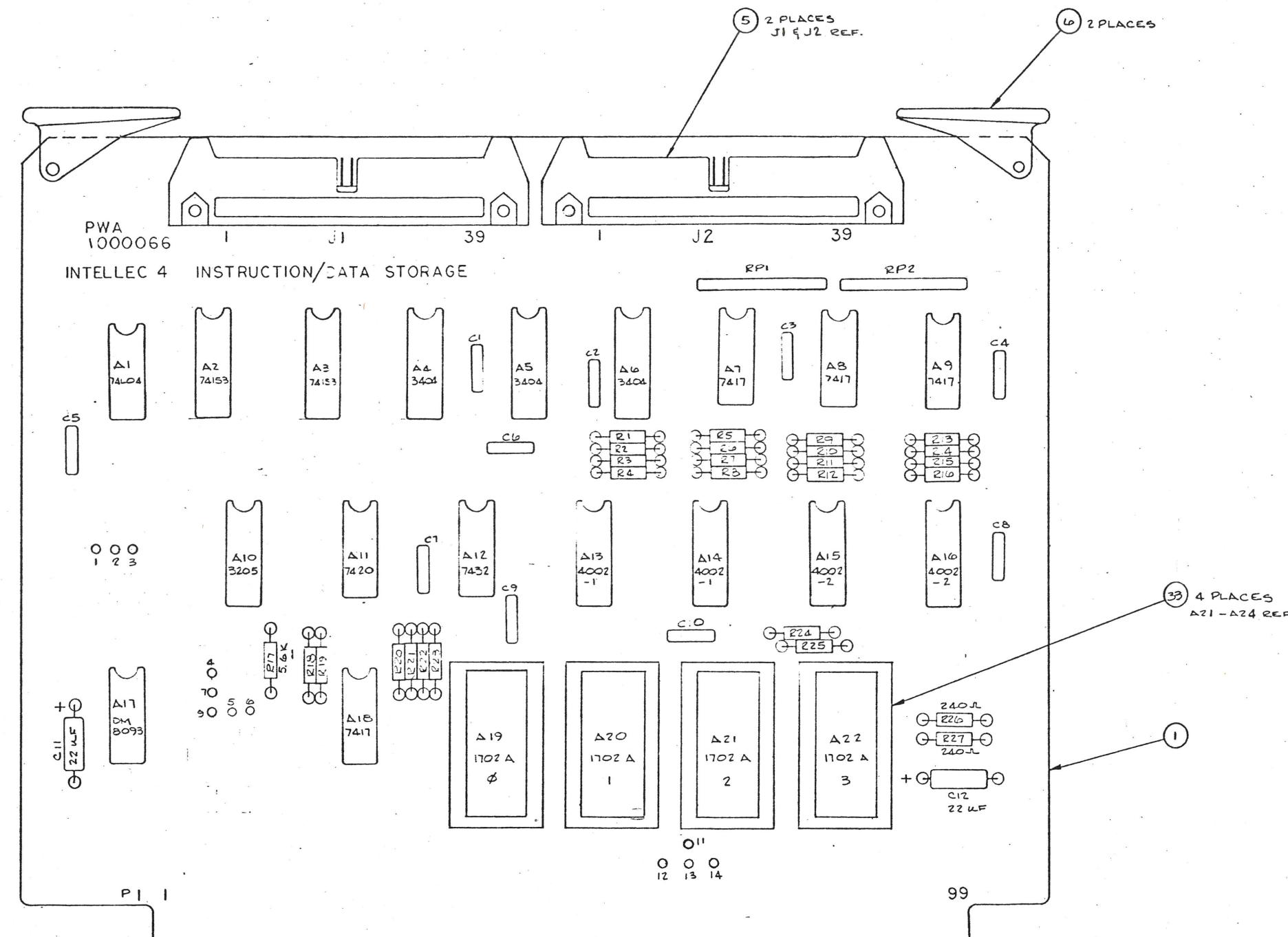
© INTEL 1974

				ITEM NO.	PART NUMBER	DESCRIPTION			
QUANTITY PER DASH NO.				PARTS LIST					
		SCALE: 2 : 1		SIGNATURE	DATE	3065 BOWERS AVE. SANTA CLARA CALIF. 95051			
		TOL. ±	2 PLC	3 PLC	ANGLE	DRN BY L. Duran 6/1/72			
		MATERIAL:		CHK BY [Signature]	8/11/73	TITLE (1mm G-26) PRINTED WIRING ASSEMBLY PROM MEMORY MODULE			
4000273	INT 8 (RearBoard)	DFT APPD	ENGR APPD: 11-7-73	AUTH BY	9/1/73	SIZE	DEPT	DRAWING NO.	REV
4000128	INT 8	FINISH:		CODE: E	SHEET 1 OF 1	D	410	1000063	A
4000100	INT 4	NEXT ASSY USED ON							



REVISIONS

LTR	DESCRIPTION		SIGNATURE AND DATE	
	DFT	CHK	ENGR	
A	PROD RELEASE	J.O.	J.P.	1/1/73
B	DELETE CRI SEE ECO #00051	J.P.	J.P.	1/1/73
C	SEE ECO #00056 FOR CHG	J.O.	J.P.	1/1/73

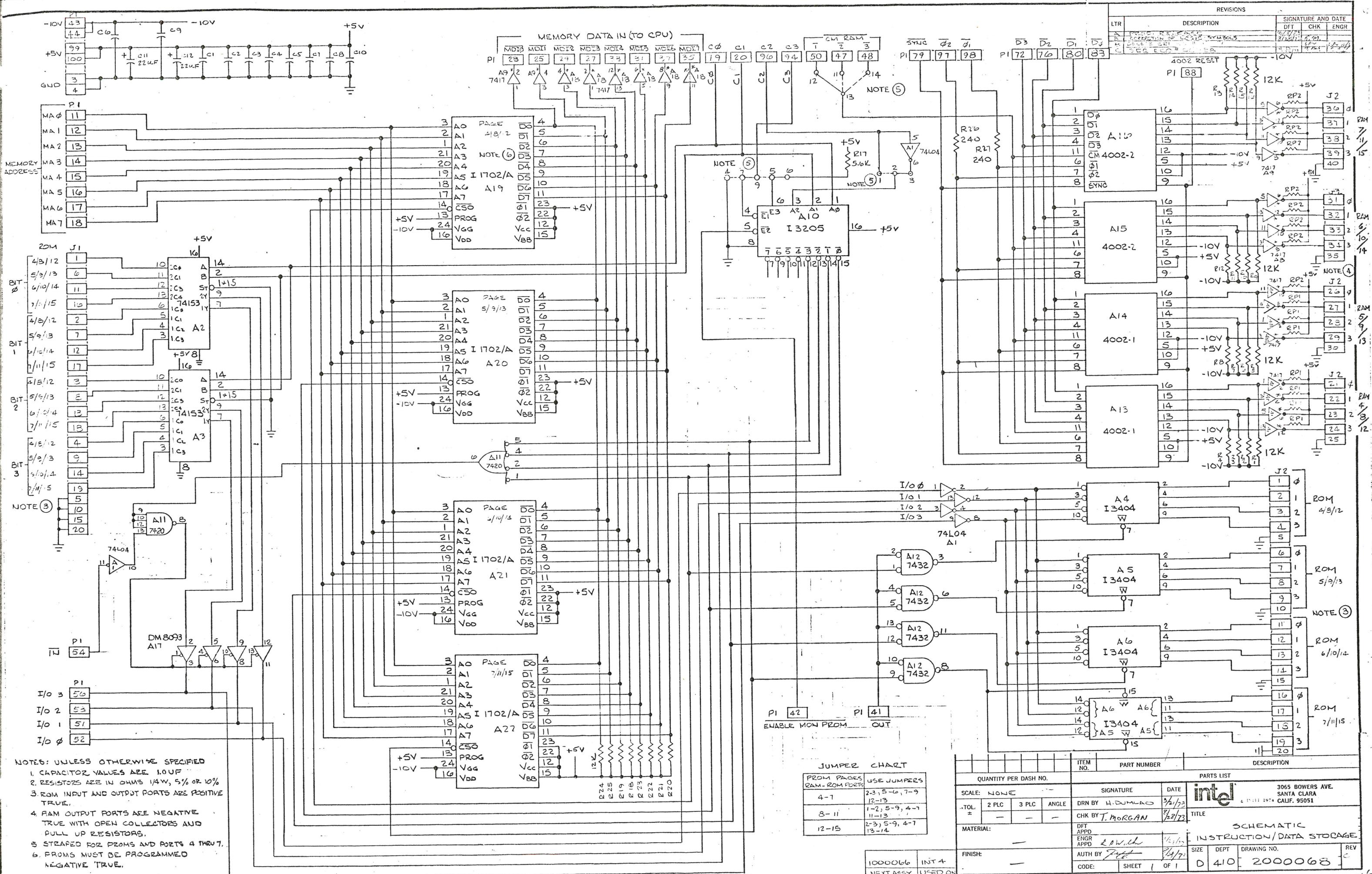


QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
SCALE: 2:1						
TOL.	2 PLC	3 PLC	ANGLE	SIGNATURE	DATE	
				DRN BY [Signature]	1/1/73	
				CHK BY [Signature]	1/1/73	
				DFT APPD		
				ENGR APPD		
				FINISH:		
				AUTH BY [Signature]	1/1/73	
				CODE: E	SHEET 1 OF 1	REV C
				D	410	1000066

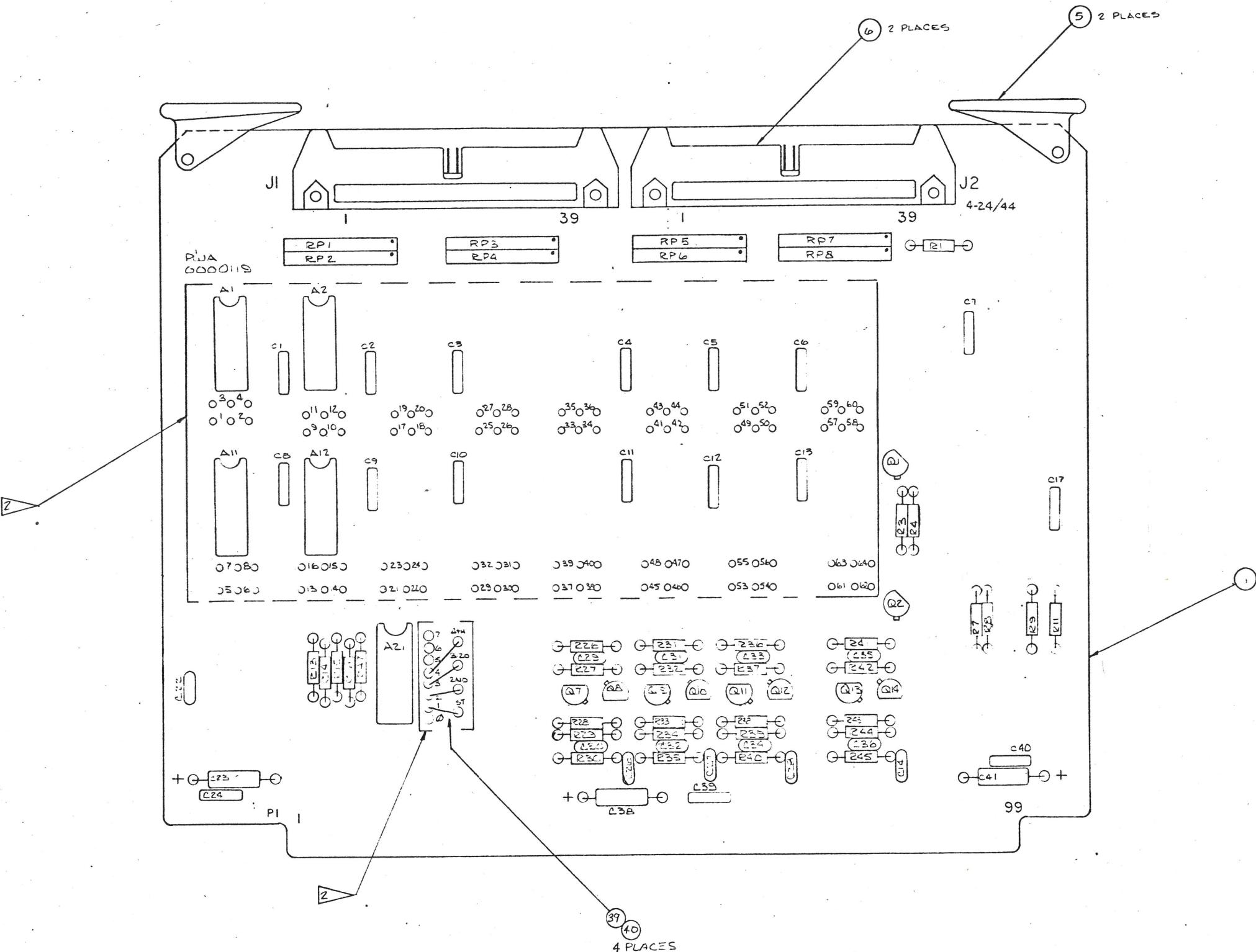


3065 BOWERS AVE.  
SANTA CLARA,  
CA 95051

TITLE:  
PRINTED WIRING ASSEMBLY  
INSTRUCTION DATA STORAGE



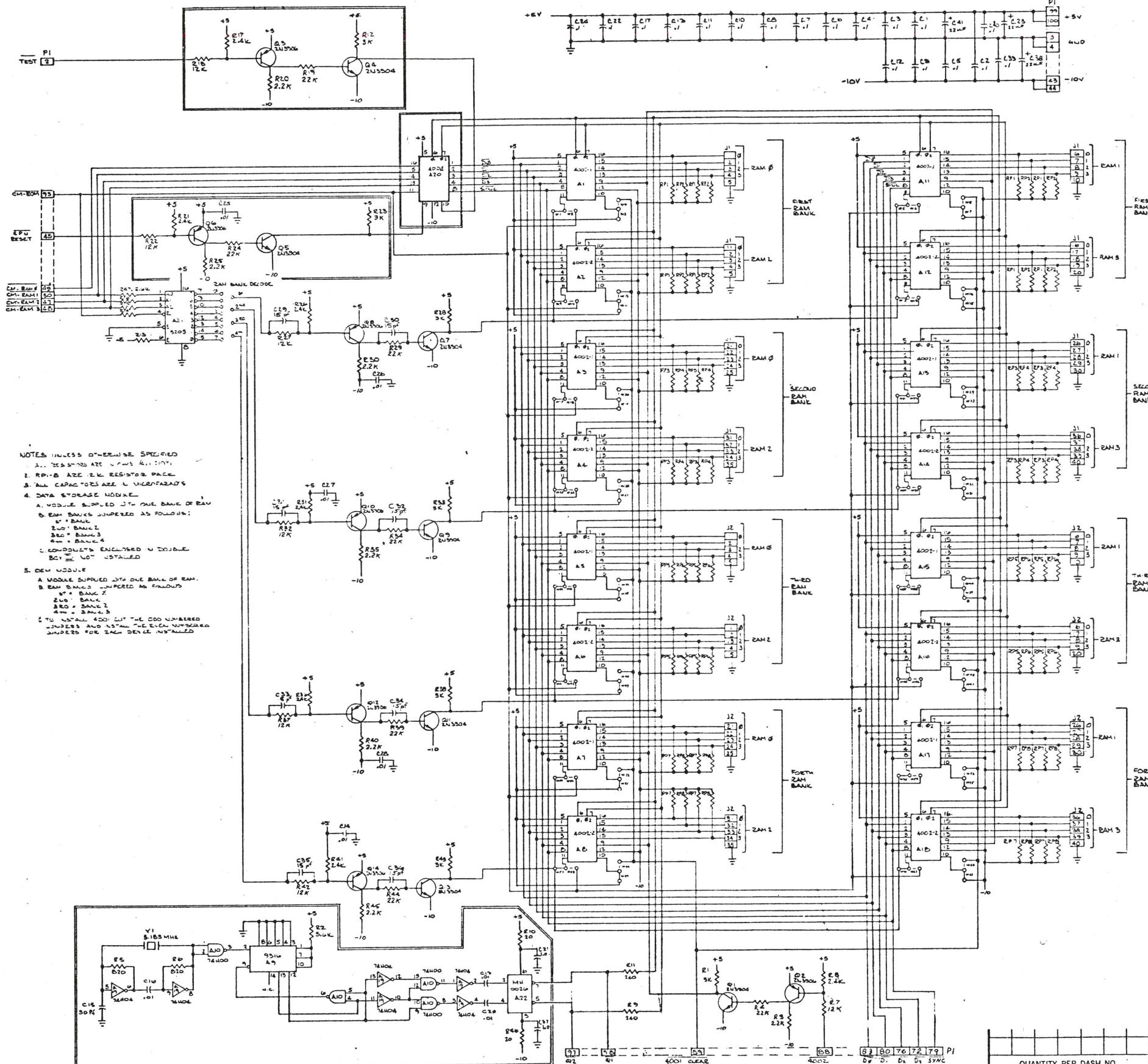
REVISIONS			
DESCRIPTION	SIGNATURE AND DATE		
	DFT	CHK	ENGR
PRODUCTION RELEASE	S.C.D.	T. M.	1/26/73
ADDED 29 REMOVE .125 SQ B TO QC R12, R11 TO R25 ECO# 000100	H.D.	T.M.	1/26/73
FAB L1W2 C4G ONLY ECO#00107	W.H.J.	W.H.J.	1/26/73



NOTES: UNLESS OTHERWISE SPECIFIED

- i. ALL COMPONENTS SHOULD NOT BE HIGHER THAN 7/16" FROM PC.BO.  
2. SOLDER MASK ALL UNUSED HOLES ON THIS AREA BEFORE WAVE SOLDER

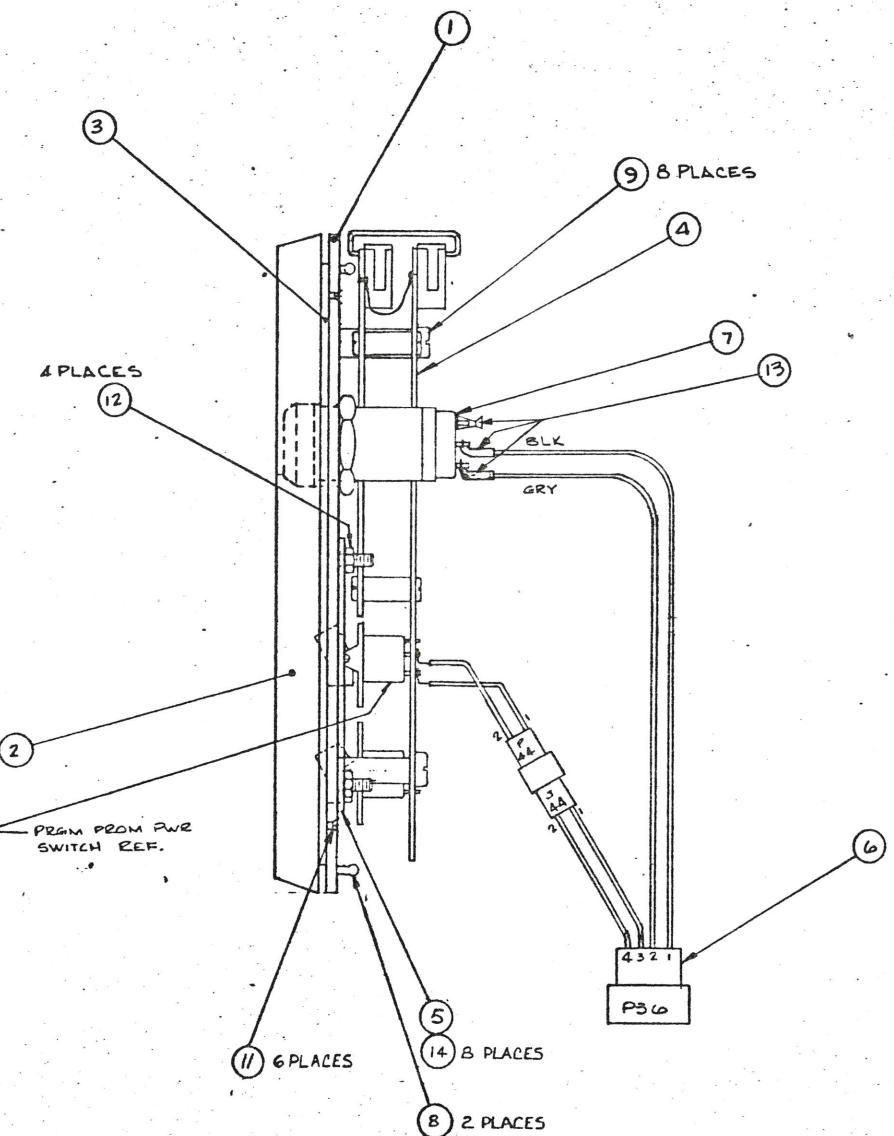
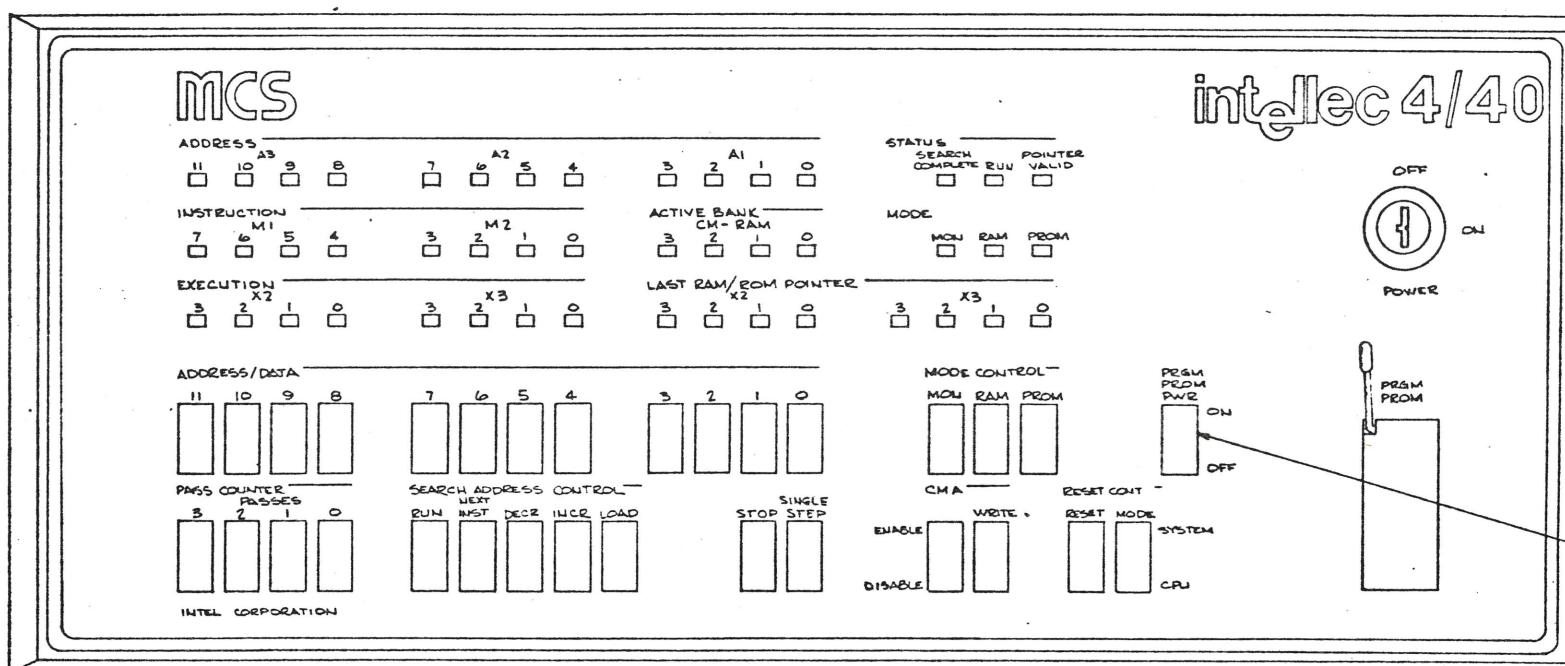
				ITEM NO.	PART NUMBER	DESCRIPTION			
QUANTITY PER DASH NO.				PARTS LIST					
SCALE: 2 : 1				SIGNATURE	DATE	3065 BOWERS AVE. SANTA CLARA CALIF. 95051			
TOL. $\pm$	2 PLC	3 PLC	ANGLE	DRN BY [Signature]	4-24-73				
MATERIAL:				CHK BY [Signature]	7-24-73	TITLE			
				DFT		PRINTED WIRING ASSEMBLY			
				APPD					
				ENGR		DATA STORAG MODULE			
				APPD [Signature]	7-24-73				
FINISH:				AUTH BY [Signature]	7-24-73	SIZE	DEPT	DRAWING NO.	REV
				CODE:	SHEET 1 OF 1	D	410	1000119-01	B
4000100	INTELLECT								
NEXT ASSY		USED ON							



REVISIONS		SIGNATURE AND DATE
LTR	DESCRIPTION	DEF CHK ENGR
FOR PREVIOUS REVISIONS SEE HISTORY		
B	REDRAWN NO CHANGE	

ITEM NO.	PART NUMBER	DESCRIPTION	QUANTITY PER DASH NO.		
			1	2	3
PARTS LIST					
SCALE:	N	1:1	SIGNATURE:		DATE
TOL:	2 PLC	3 PLC	ANGLE	DRN BY H DUMLAO	5-15-73
MATERIAL:				CHK BY T MORGAN	10-25-73
FINISH:				DFT APPD	
				ENGR APPD E P WALKER	10-26-73
				AUTH BY P. TAI	10-29-73
CODE:	SHEET 1 OF 1				
D	410	200012.1			B

REVISIONS		
LTR	DESCRIPTION	SIGNATURE AND DATE
	DFT CHK ENGR	11/17/74 P.C. B.L. C.A.
A	PROD. RELEASE	



QUANTITY PER DASH NO.			ITEM NO.	PART NUMBER	DESCRIPTION
			PARTS LIST		
SCALE: NOLIE			SIGNATURE		DATE
TOL. $\pm$	2 PLC	3 PLC.	ANGLE	DRN BY	11/17/74
	—	—	—	CHK BY	P.C. B.L. C.A.
MATERIAL:			DFT APPD		11/17/74
SEE PARTS LIST			ENGR APPD		C.P.W. 11/17/74
FINISH:			AUTH BY		J. Hove 11/17/74
			CODE:	SHEET 1 OF 1	
			D	410	4000328 A

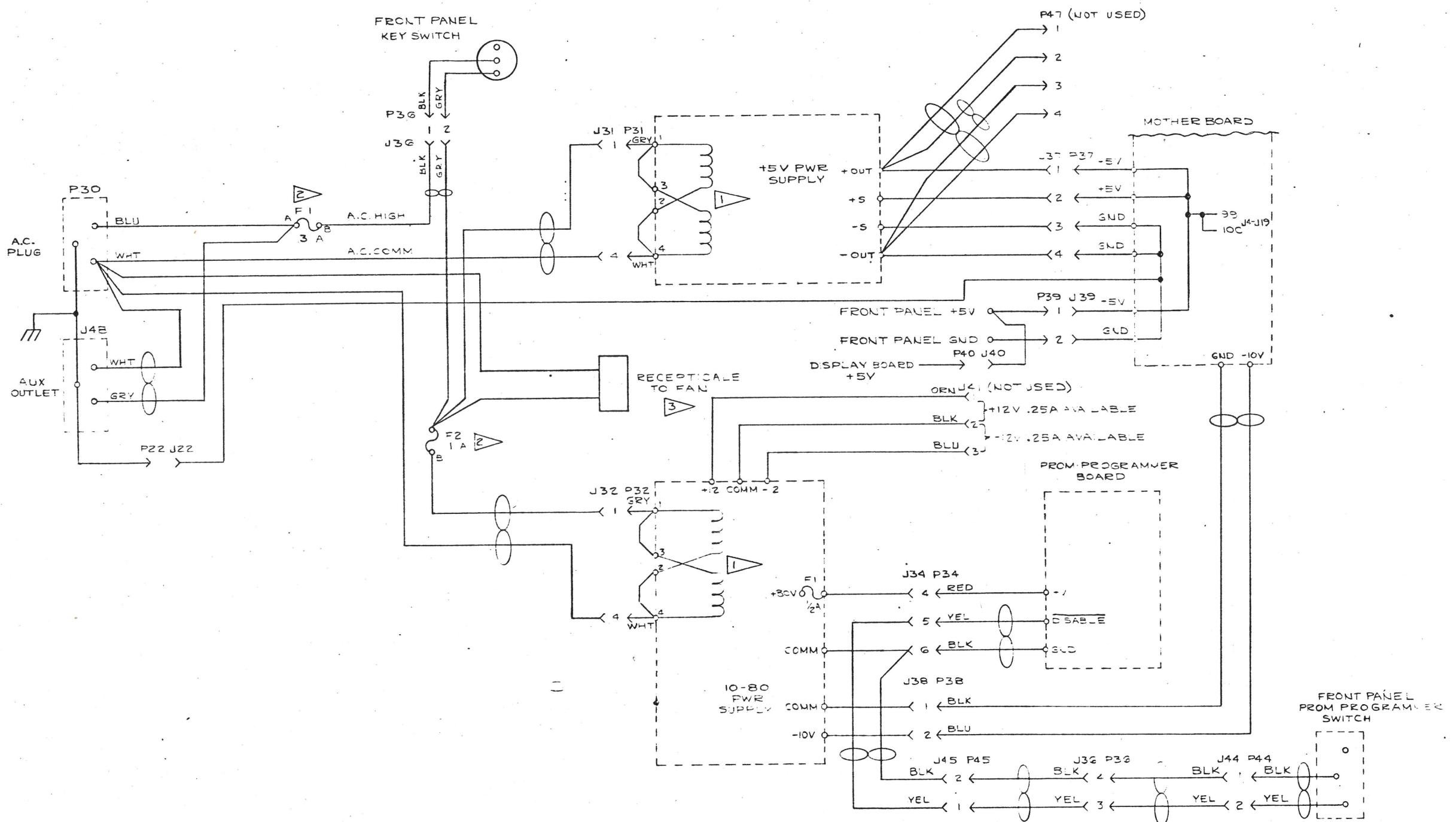
3065 BOWERS AVE.  
SANTA CLARA  
CALIF. 95051

intel TITLE  
FRONT PANEL ASSEMBLY  
(MOD 40)

4000180-05 INT 4 MOD 40  
NEXT ASSY USED ON

8 7 6 5 4 3 2 1 0

REVISIONS		
LTR	DESCRIPTION	SIGNATURE AND DATE
A	RELEASE TO PROD.	9/27/74 10:22 AM



QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
SCALE:				SIGNATURE	DATE	
TOL.	2 PLC	3 PLC	ANGLE	DRN BY	9/27/74	
=				CHK BY		
				DFT APPD	9/26/74	
				ENGR APPD	EP 1.0	
				AUTH BY	S. HILL	
				CODE:	SHEET 1 OF 1	
				SIZE	DEPT	DRAWING NO.
				D	410	2000309 A

3065 BOWERS AVE.  
SANTA CLARA  
CA 95051

intel

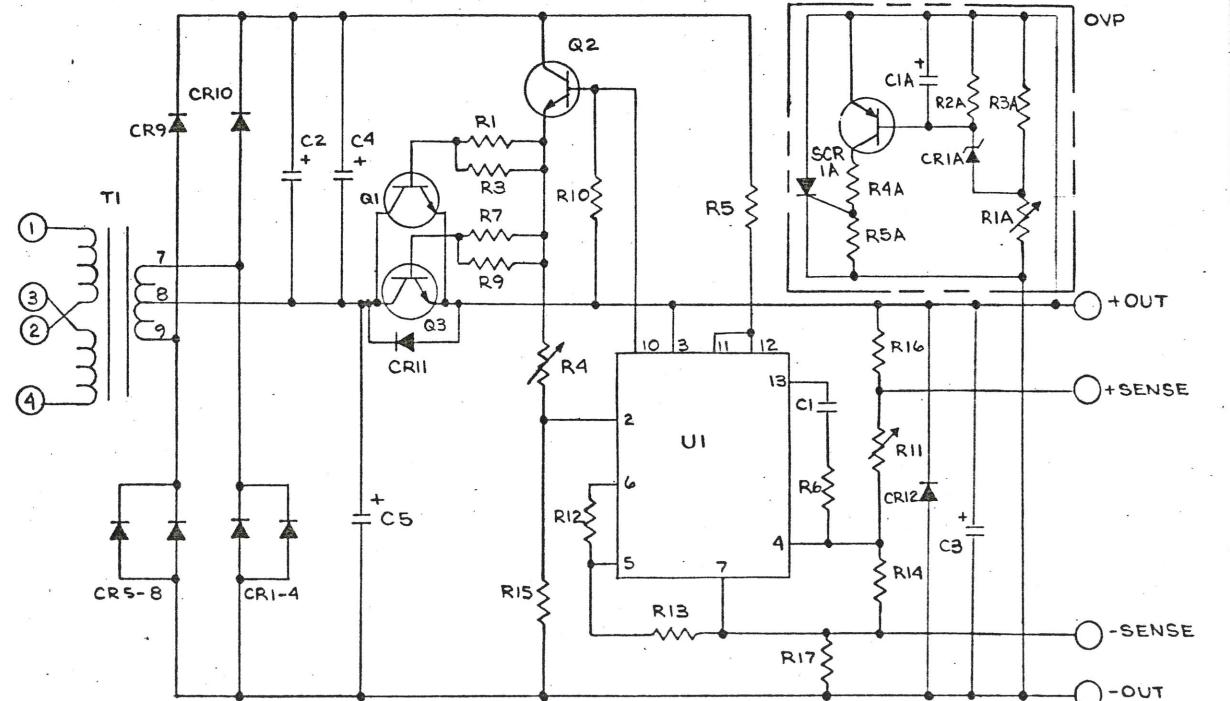
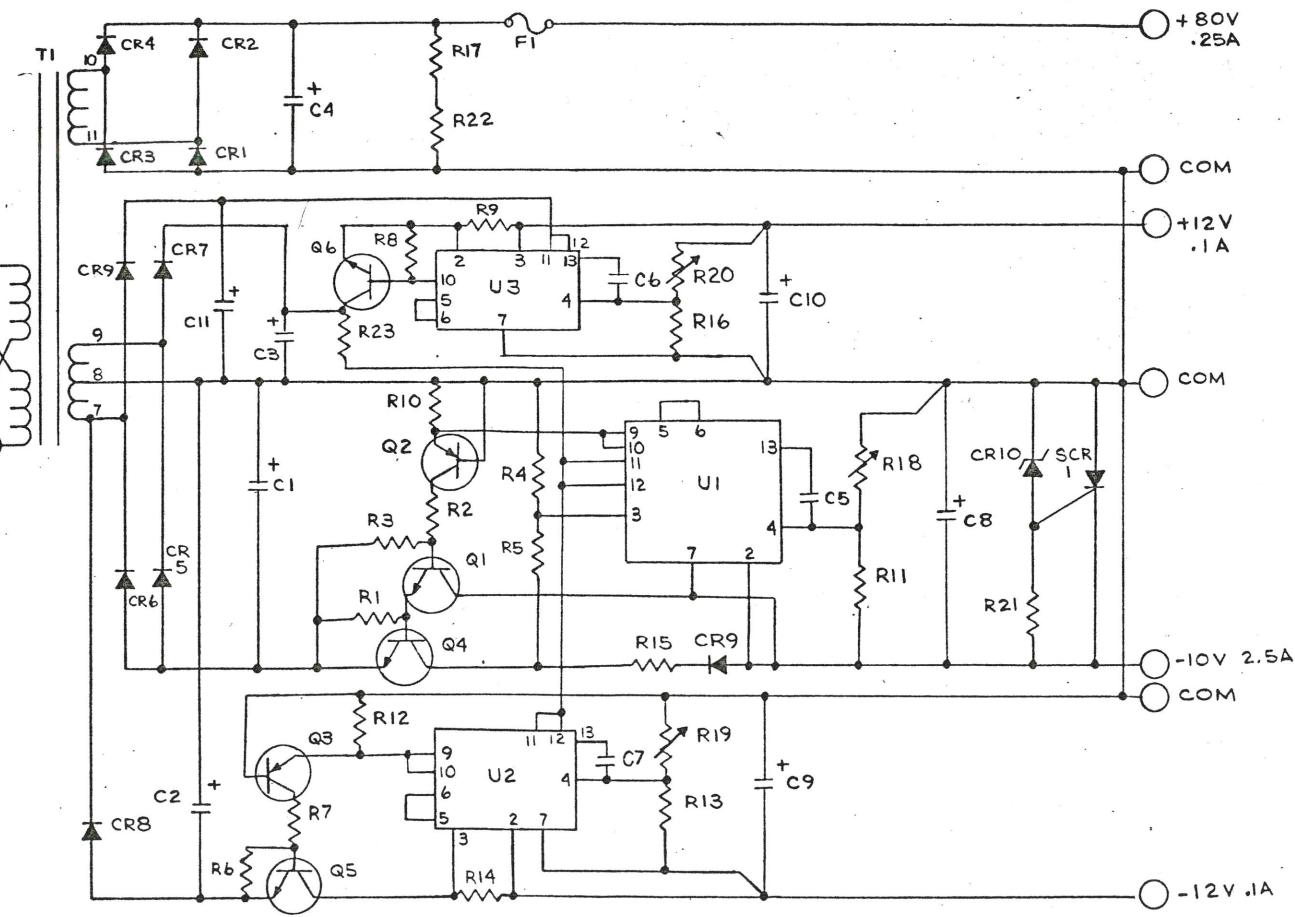
TITLE: AC-DC PWR DISTB.

40001R4 INT 4

40001B0 INT 4

NEXT ASSY USED ON

REV



REF DES	CPI10	DESCRIPTION
C1	4000/30	CAPACITOR ALUM ELECT.
C2,3	470/25	
C4	500/100	
C8,9,10	100/25	ALUM ELECT.
C5,7	.01/100	MYLAR
C6	.001/100	CAPACITOR MYLAR
CR1,2,3,4,7,8	AE1C	DIODE 1A 200V
CR5,6,9	AE3B	3A 100V
CR10	IN759A	DIODE ZENER 400 MV 12V
SCR1	S0308LS3	SCR 3A
U1 1,2,3	μa723	I.C. VOLTAGE REGULATOR
Q1	2N2218A	TRANSISTOR SIGNAL NPN
Q2,3	2N2906	SIGNAL PNP
Q4,5,6	2N3055	TRANSISTOR POWER NPN
F1	0.5A	FUSE 3AG FAST BLOW
R1,2,3,6,7,10,11,12,13,16	1.6K	RESISTOR 1/2W CARBON
R17,22,8	10K	
R4	4.7K	
R5,23	270Ω	
R21	47Ω	
R9,14	4.7Ω	1/2 W CARBON
R15	.12Ω	RESISTOR 2W WW BWH
R18,19,20	1.5K	POTENIOMETER 2W WW
T1	12030A	TRANSFORMER POWER
PCB	12044	PRINTED CIRCUIT BOARD
CHASSIS	12178	CHASSIS ALUM

REF DES	D5-12.0 SII3	DESCRIPTION
C1	.001/100	CAPACITOR FILM
C2,3,4	1000/16	CAPACITOR ELECT.
C5	50000/15	CAPACITOR ELECT.
CIA	1/50	CAPACITOR ELECT.
CR1-8,12	AE3B	DIODE 3A 100V
CR9,10,11	AE1C	DIODE 1A 200V
Q1,2,3	2N3055	TRANSISTOR POWER
Q1A	2N2907A	TRANSISTOR
CRIA	IN752A	DIODE ZENER
R1,3,5,6,7,9,16,17	7.5Ω OR 6.8Ω	RESISTOR 1/2W 5% CF
R10,12,13,15	2.2K	RESISTOR 1/2W 5% CF
R14	1.6K	RESISTOR 1/4W 2% MF
R2A,3A,5A	330Ω	RESISTOR 1/2W 5% CF
R4,11,1A	1.5K	POTENTIOMETER 2W,WW
R4A	47Ω	RESISTOR 1/2W 5% CF
T1	11053-S101	POWER TRANSFORMER
SCR1A	S0508LS3	SCR 8A
PCB	11050	PRINTED CIRCUIT BOARD
U1	μa723	IC VOLTAGE REGULATOR
PCB OVP	11160	PRINTED CIRCUIT BOARD
CHASSIS	11051	CHASSIS, ALUM

DASH NO.	NEXT ASSEMBLY	NO. RE'D' ASSEMBLY	FINAL MODEL NUMBER	MATL. SPEC.	FIN. T.
APPLICATION					
DESCRIPTION					
MATERIALS					
TOLERANCES UNLESS OTHERWISE SPEC'D DIM'S ARE IN INCHES FRACTIONS      DECIMALS      ANGLES 1/16"      .0000      0° ± 1° 1/32"      .0000      0° ± 1° 1/64"      .0000      0° ± 1° REMOVE BURRS & SHARP EDGES 0.05 MAX SURFACE FINISH 16 MAX					
DRAWN V.S.	DATE 11/19/44	BASIC MODEL TITLE BASIC MODEL NUMBER			
CHECKED	DATE	DRAWING TITLE SCHEMATIC DIAGRAM			
APPROVED	DATE	CPI10, D5-12 SII3 POWER SUPPLIES			
MATERIAL	DATE	DRAWING NUMBER 531 DAWSON AVE. CAMARILLO, CALIF.			
DO NOT SCALE PRINT					
TREATMENT SCALE: NONE					

REVISONS

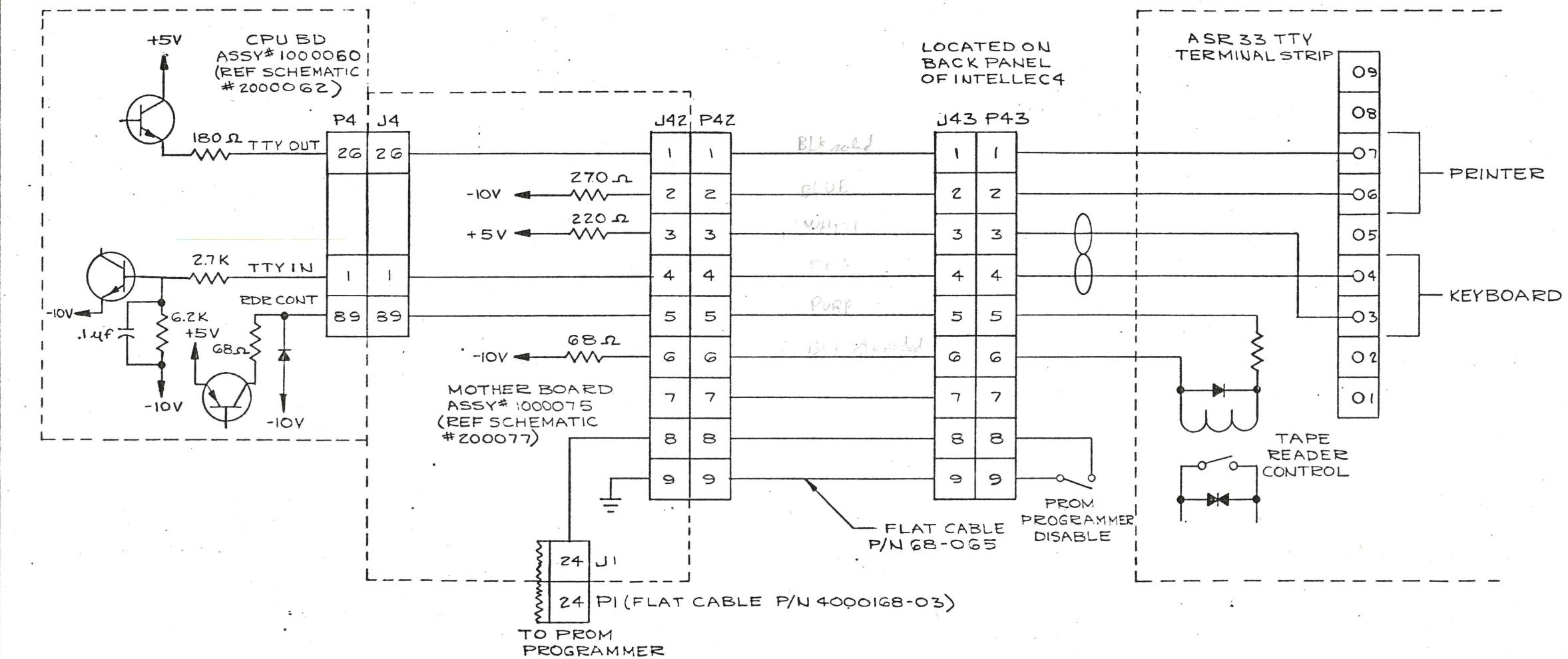
LTR	DESCRIPTION	SIGNATURE AND DATE		
		DFT	CHK	ENGR
A	RELEASE TO PROD	S. Hall 9/27/74	P. P. 9/27/74	J. S. J. S. 9/27/74

D

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QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
SCALE:				SIGNATURE	DATE	
TOL. $\pm$	2 PLC	3 PLC	ANGLE	DRN BY <i>[Signature]</i>	9/13/74	
				CHK BY <i>[Signature]</i>	9/14/74	
				DFT APPD <i>[Signature]</i>	9/14/74	
				ENGR APPD <i>[Signature]</i>	9/14/74	
				FINISH: AUTH BY <i>[Signature]</i>	9/14/74	
				CODE: SHEET 1 OF 1		

INTEL INFORMATION:

- 3065 BOWERS AVE.
- SANTA CLARA
- INTEL 1074 CALIF. 95051
- TITLE: SCHEMATIC.TTY, REF(INT 4/MOD 4)
- SIZE: 410
- DEPT: 2000325
- DRAWING NO.: A

REVISIONS

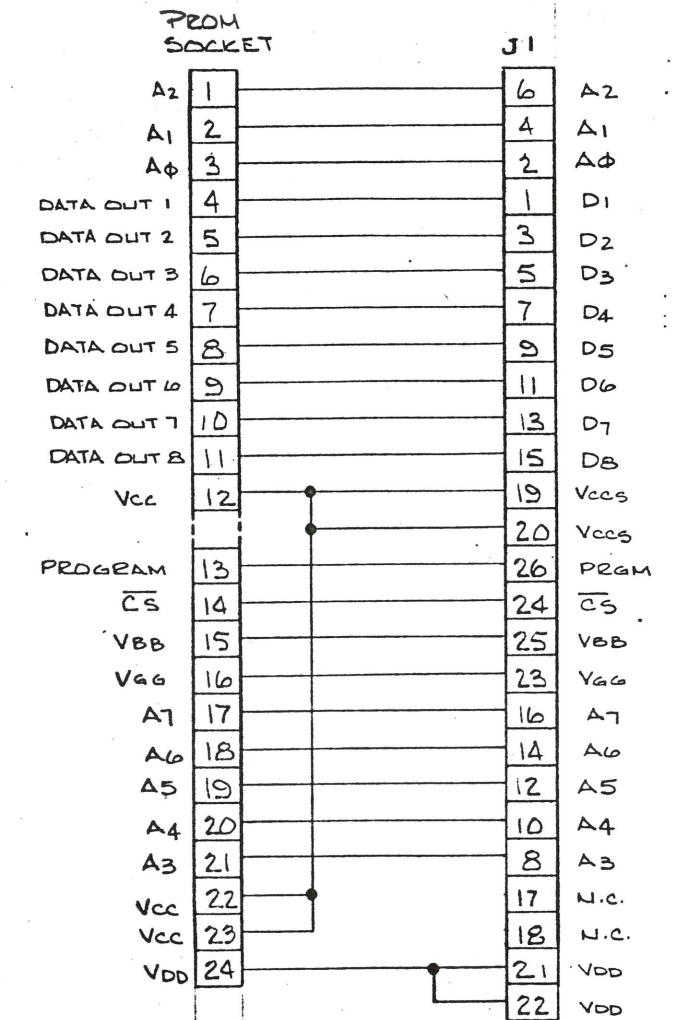
LTR	DESCRIPTION	SIGNATURE AND DATE		
		DFT	CHK	ENGR
A	PRODUCTION RELEASE	JUL 1974	L. MCGAN	C. W. CHAN
B	ECO # 00186-5	JUL 1974	L. MCGAN	C. W. CHAN
C	ADDED NEXT ASSY 4000328 NO ECO	JUL 1974	C. W. CHAN	L. MCGAN

D

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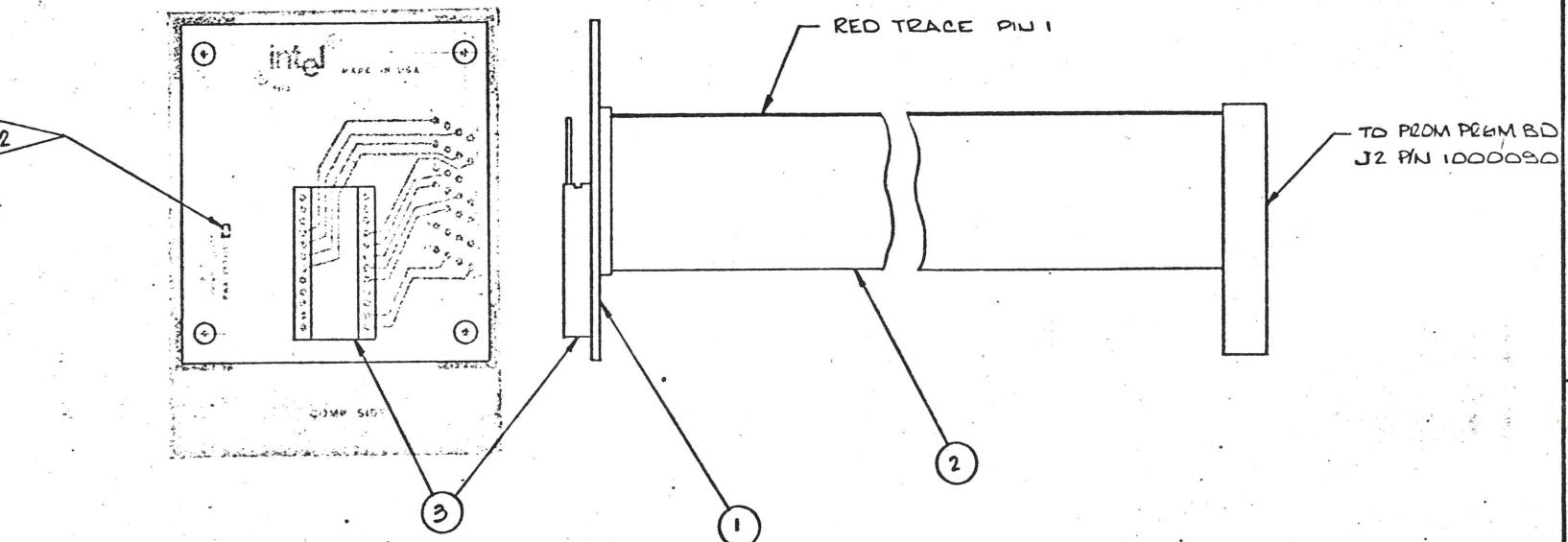


## SCHEMATIC

PART NO. 2000154

## NOTES:

1. ASSY PART NO. IS 1000152-01.  
 2. MARK DASH NO. IN POSITION SHOWN



ITEM NO.	PART NUMBER	DESCRIPTION		
		PARTS LIST		
1	3 68-008	24 PIN SOCKET, TEXT TOOL		
1	2 4000168-07	FLAT CABLE, DWG.		
1	1 1000153	PRINTED WIRING BOARD		
QUANTITY PER DASH NO.				
SCALE: NONE				
TOL.	2 PLC	3 PLC	ANGLE	DRN BY: J. D. DOAN
±	-	-	-	CHK BY: T. MCGAN
MATERIAL:				
DFT APPD ENGR APPD SP WICH				
SEE PARTS LIST				
FINISH: AUTH BY: /				
CODE: SHEET 1 OF 1				
SIZE DEPT DRAWING NO. C 410 1000152 C				

REV C

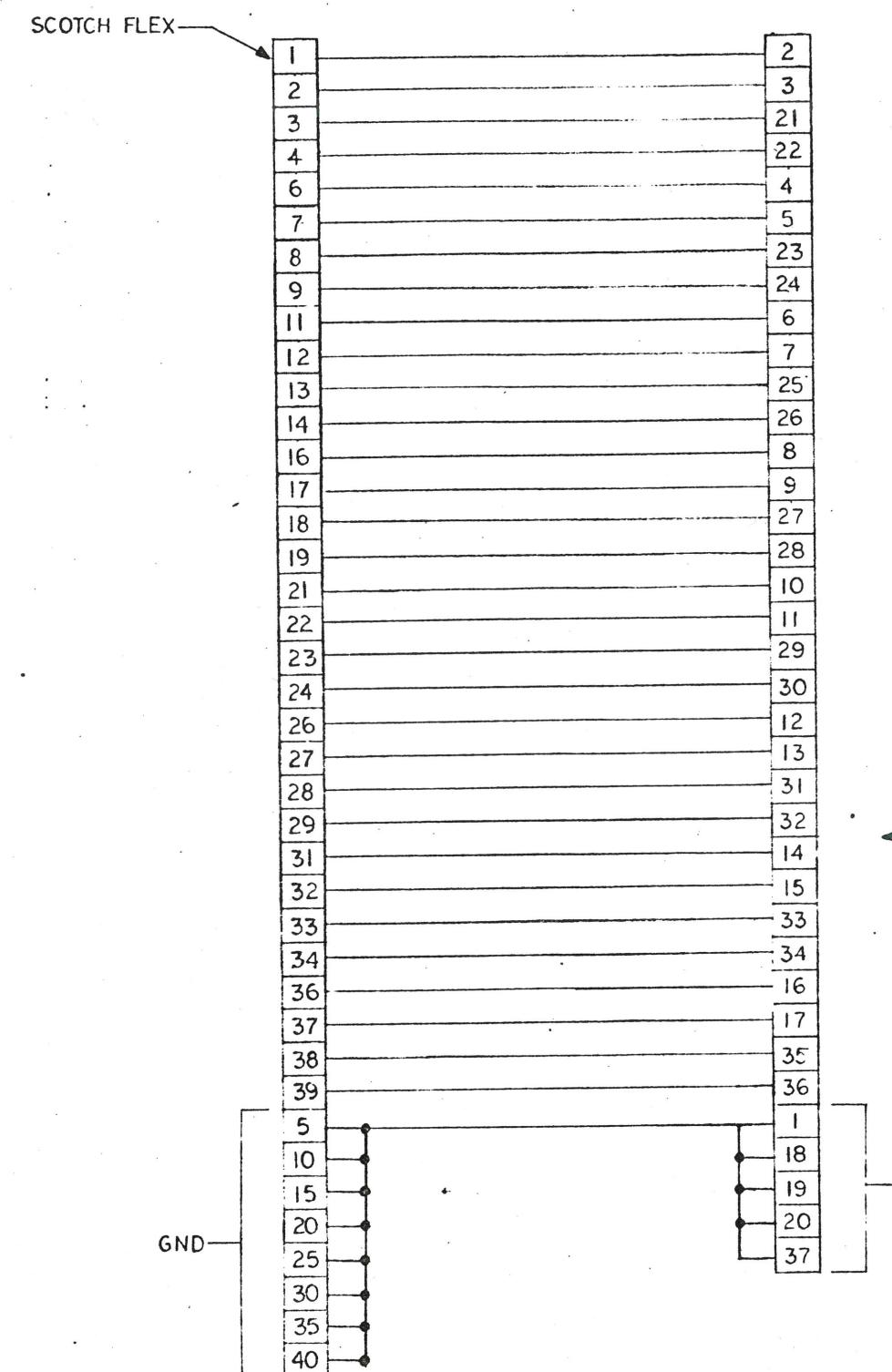
REVISIONS		
LTR	DESCRIPTION	SIGNATURE AND DATE
A	PRODUCTION RELEASE	DFT T.M. 11-13-73 CHK C.P.W. 11-13-73 ENGR 11-22-73

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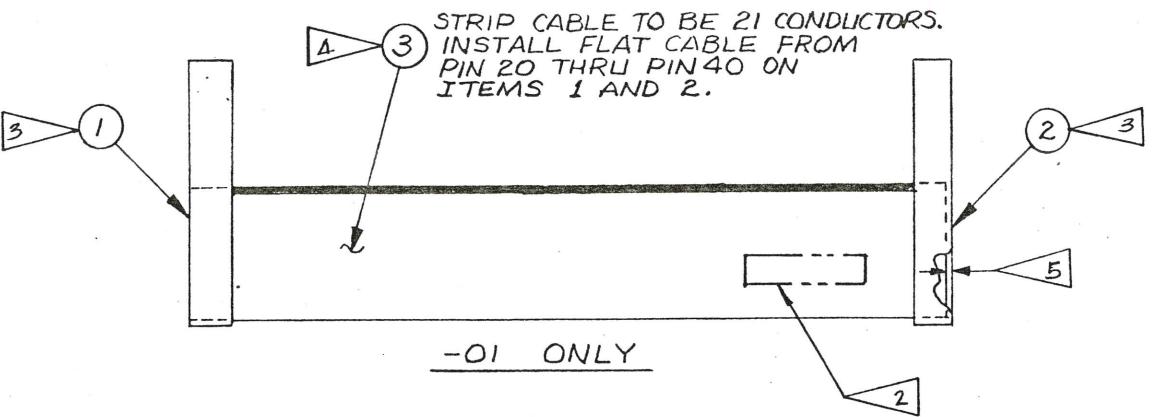
C

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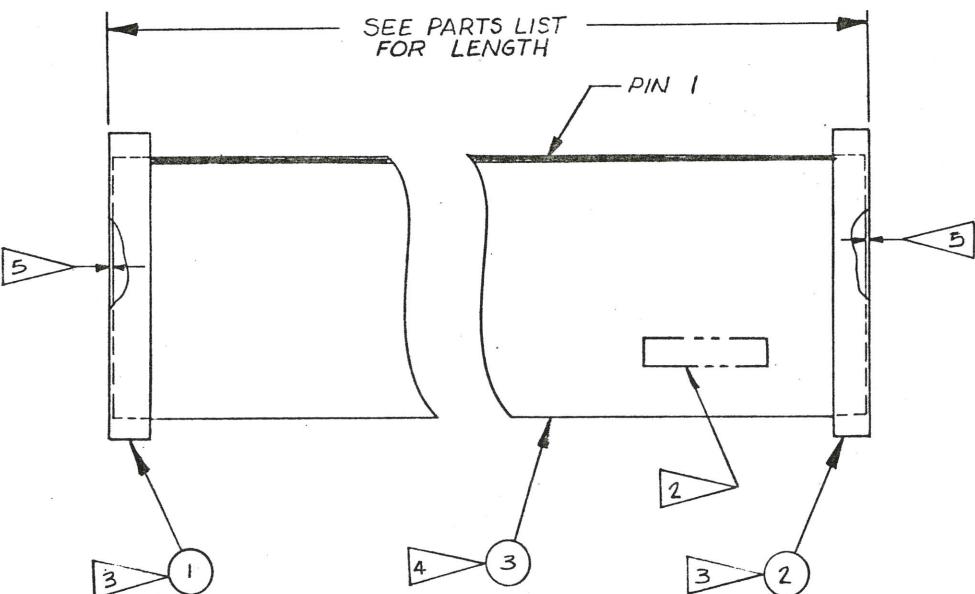


QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
SCALE: NONE				SIGNATURE		DATE
TOL.	2 PLC	3 PLC	ANGLE	DRN BY <i>F. Morgan</i>	11-12-73	
$\pm$				CHK BY <i>Taylor Morgan</i>	11-13-73	
MATERIAL:				DFT APPD		3065 BOWERS AVE. SANTA CLARA CALIF. 95051 © INTEL 1973
				ENGR APPD <i>E. P. L. L.</i>		11-22-73
FINISH:				AUTH BY		
				CODE: SHEET 1 OF 1		REV A
4000237 INT 4 NEXT ASSY USED ON				C 410 2000178		



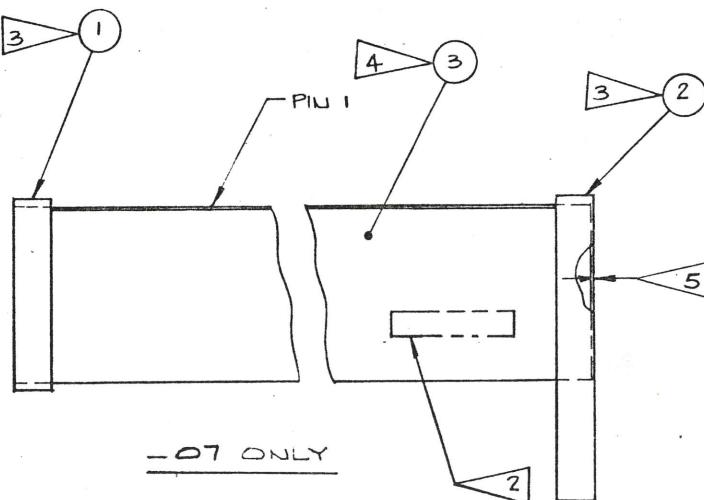
STRIP CABLE TO BE 21 CONDUCTORS.  
INSTALL FLAT CABLE FROM  
PIN 20 THRU PIN 40 ON  
ITEMS 1 AND 2.

-01 ONLY



## NOTES:

1. ASSY PART NO. IS 4000168-X
  2. INK STAMP PART NO. IN POSITION SHOWN WITH PREFIX "ASSY" AND DASH NO.
  3. ON CONNECTORS, ITEMS 1 & 2, PIN 1 IS INDICATED BY AN ARROW.
  4. ON FLAT CABLE, ITEM 3, PIN 1 IS INDICATED BY A RED STRIPE.
  5. RECESS CABLE  $1\frac{1}{32}'' \pm \frac{1}{64}''$  ON ALL CONNECTORS EXCEPT SOLDER-IN TYPE. (68-029, 68-030)



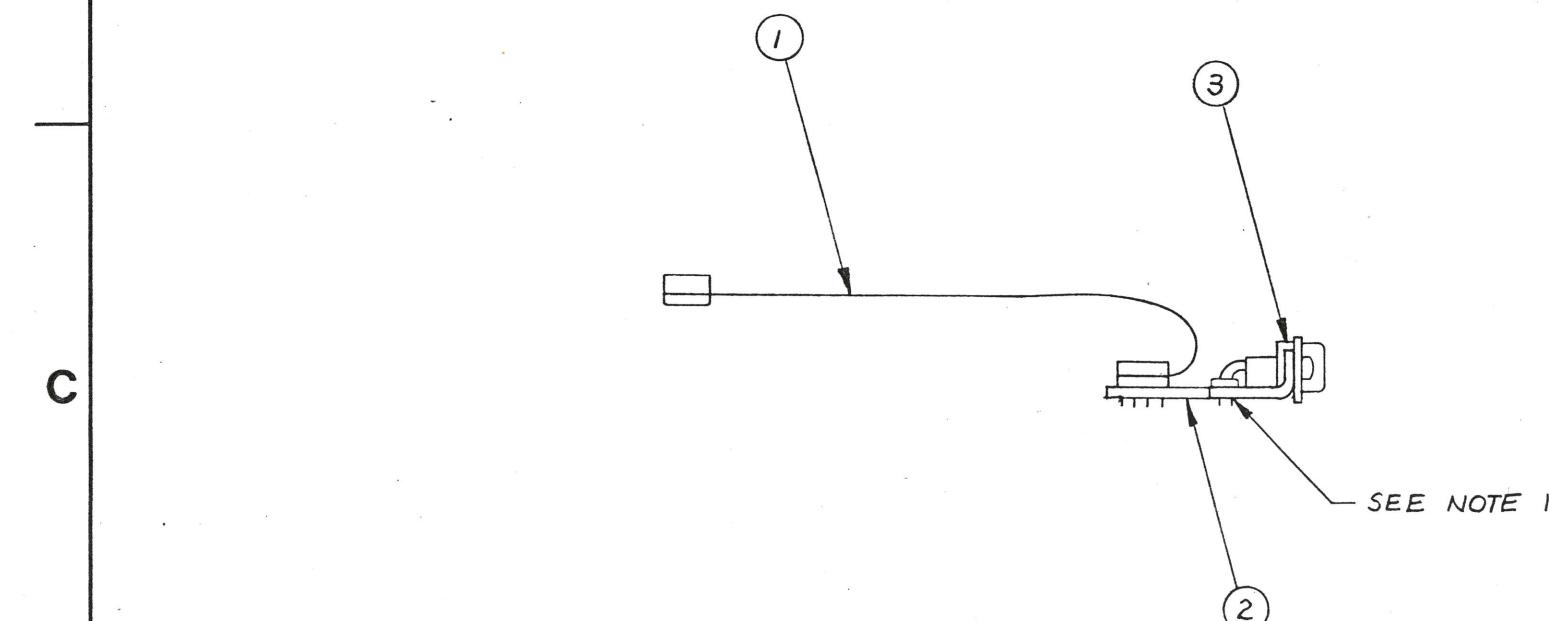
-07 ONLY

-	-	-	-	-	-	-	1	3	80-003	WIRE 21 COND	18 INCHES
1	-	-	-	-	-	-	-	3	80-004	WIRE 40 COND	22 INCHES
-	1	-	-	-	-	-	-	3	80-003	26 COND	14.0 INCHES
-	-	1	-	-	-	-	-	3	80-005	50 COND	2 INCHES
-	-	-	1	-	-	-	-	3	80-004	40 COND	15.5 INCHES
-	-	-	-	1	-	-	-	3	80-004	9.25 INCHES	
-	-	-	-	-	1	-	-	3	80-004	36 INCHES	
-	-	-	-	-	-	1	-	3	80-004	WIRE 40 COND	18 INCHES
-	-	1	-	-	-	-	-	2	68-031	CONNECTOR	50 PIN
1	1	-	1	1	1	1	1	2	68-028		40 PIN
-	1	-	-	-	-	-	-	1	68-030		26 PIN
-	1	-	-	-	-	-	-	1	68-031		50 PIN
-	-	1	1	1	1	-	-	1	68-028		40 PIN
1	-	-	-	-	-	1	1	1	68-029	CONNECTOR	40 PIN
-08-07	-06	-05	-04	-03	-02	-01	ITEM NO.	PART NUMBER		DESCRIPTION	
								PARTS LIST			
QUANTITY PER DASH NO.											

		SCALE: <u>NONE</u>			SIGNATURE		DATE	3065 BOWERS AVE. SANTA CLARA CALIF. 95051			
		TOL. $\pm$	2 PLC	3 PLC	ANGLE	DRN BY <u>L.R. FRESE</u>	<u>8-7-73</u>				
0000075	INT. 4					CHK BY <u>T. MORGAN</u>	<u>10/19/73</u>				
000237-01-05	INT. 4 <sup>9</sup> 8					DFT		TITLE <u>INTELLEC SYSTEM</u> <u>FLAT CABLE ASSY</u>			
0000152	INT. 4 <sup>9</sup> 8					APPD					
0000169	INTELLEC8					ENGR	<u>TP with my</u>				
0000188	INTELLEC4					APPD	<u>10/19/73</u>				
NEXT ASSY		USED ON				AUTH BY <u>J. Livingston</u>	<u>10/19/73</u>	SIZE	DEPT	DRAWING NO.	REV
						CODE:	SHEET <u>1</u> OF <u>1</u>	<u>C</u>	<u>410</u>	<u>4000168</u>	<u>C</u>

REVISIONS				
LTR	DESCRIPTION	SIGNATURE AND DATE		
		DFT	CHK	ENGR
A	PRODUCTION RLS	11-973	T.M. 2/13/73	11-13-73

D



## APPLICATION TABLE

OPTION	SYSTEM	USAGE
-01	INT. 4	MOTHERBOARD & GEN. PURPOSE I/O TO CONN. BOX
-02	INT. 4	GEN. PURPOSE I/O TO CONN BOX
-03	INT 8	I/O Ø TO CONN BOX
-04	INT. 8	I/O 1 TO CONN BOX
-05	INT 8	OUTPUT BD TO CONN BOX

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NOTE : UNLESS OTHERWISE SPECIFIED

1. TRIM LEADS ON SOLDER SIDE  
OF BOARD TO BE FLUSH.

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QUANTITY PER DACH NO.				PARTS LIST					
SCALE: <u>NONE</u>				SIGNATURE	DATE				
TOL. ±	2 PLC	3 PLC	ANGLE	DRN BY <u>L.R. FRESE</u>	11/2-73	 3065 BOWERS AVE. SANTA CLARA CALIF. 95051			
				CHK BY <u>T.M. Gray</u>	11/14/73	TITLE INTELLEC SYSTEM I/O CABLE			
MATERIAL: <u>SEE PARTS LIST</u>				DFT APPD ENGR APPD <i>E PwC</i> <i>11/2-73</i>					
FINISH:				AUTH BY		SIZE	DEPT	DRAWING NO.	REV
				CODE:	SHEET 1 OF 1	C		4000237	A

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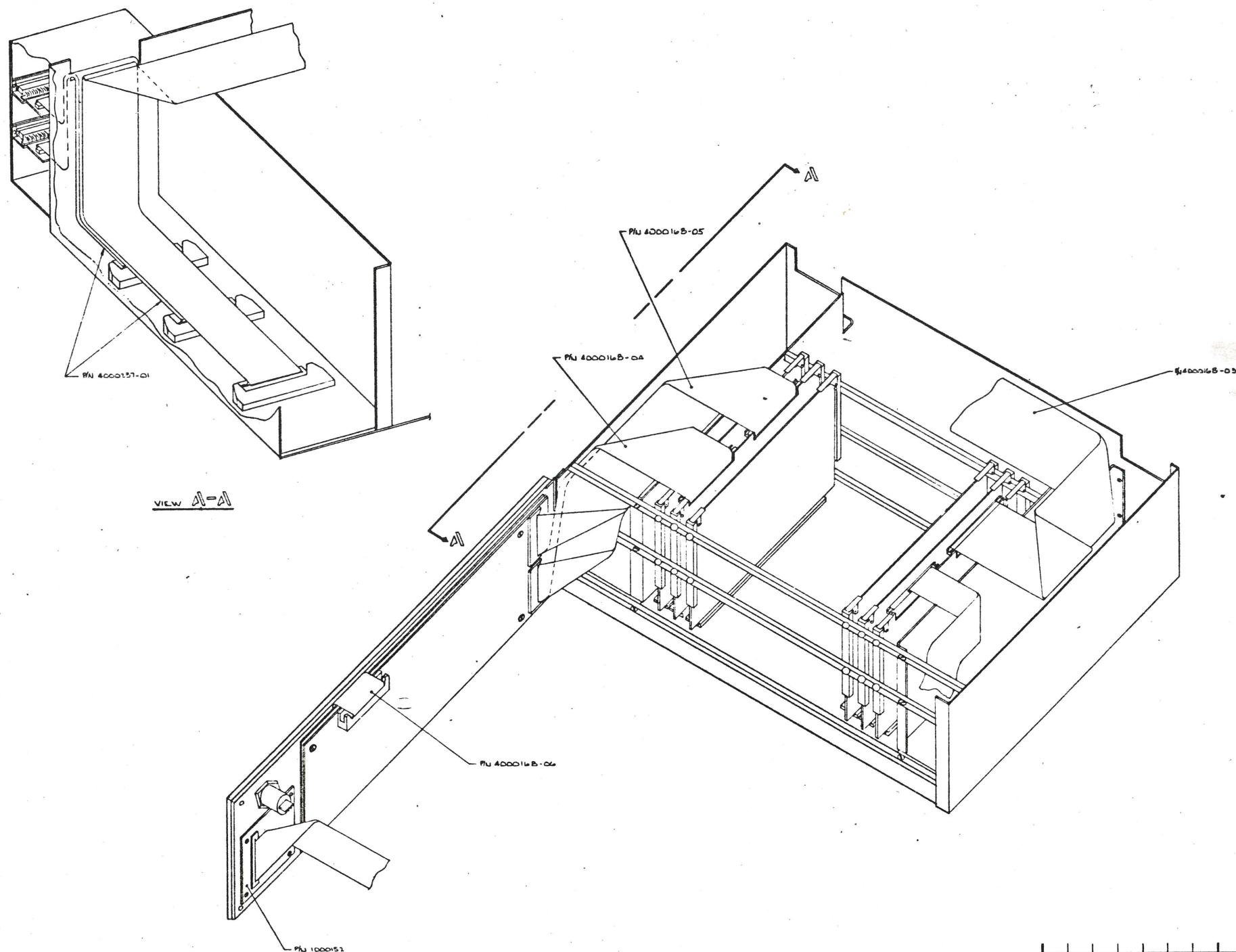
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REVISIONS

LTR	DESCRIPTION	SIGNATURE AND DATE		
		DFT	CHK	ENGR
FOR PREVIOUS REVISIONS SEE HISTORY				
E	REDRAWN NO CHANGE			



		-01		ITEM NO.	PART NUMBER	DESCRIPTION
PARTS LIST						
SCALE: N/ONE				SIGNATURE	DATE	
TOL. $\pm$	2 PLC	3 PLC	ANGLE	DRN BY H DUMLAO	2073	
MATERIAL:				CHK BY T MORGAN	2-4-73	
FINISH:				DFT APPD		
NEXT ASSY	USED ON			ENGR E P WALKER	12-4-73	
				APPD		
				AUTH BY P. TAI	12-5-73	
				CODE: SHEET 1 OF 1		
				SIZE D 410	DEPT 4000242	REV B

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INTEL CORPORATION • 3065 Bowers Avenue, Santa Clara, California 95051 • (408) 246-7501