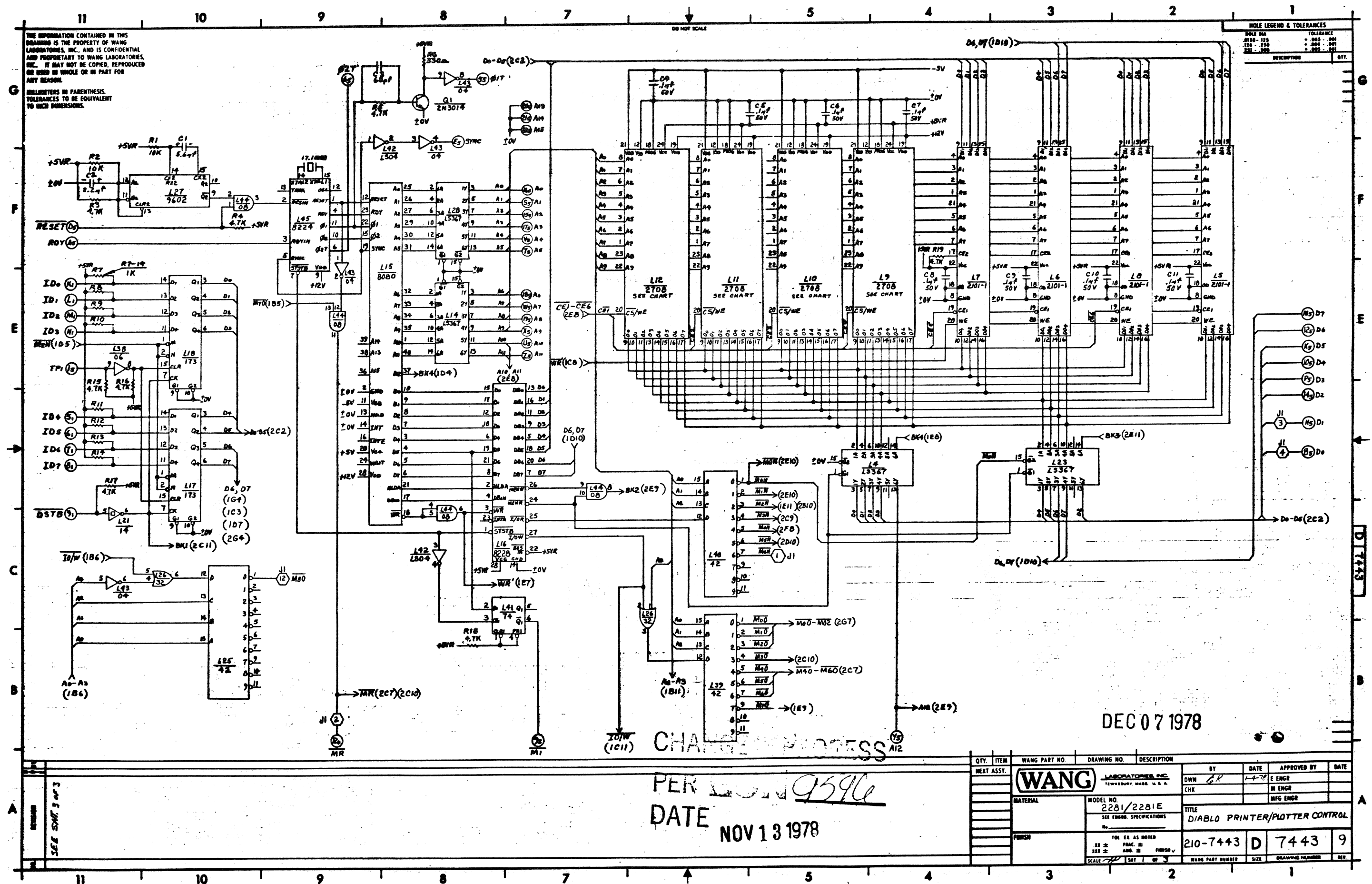
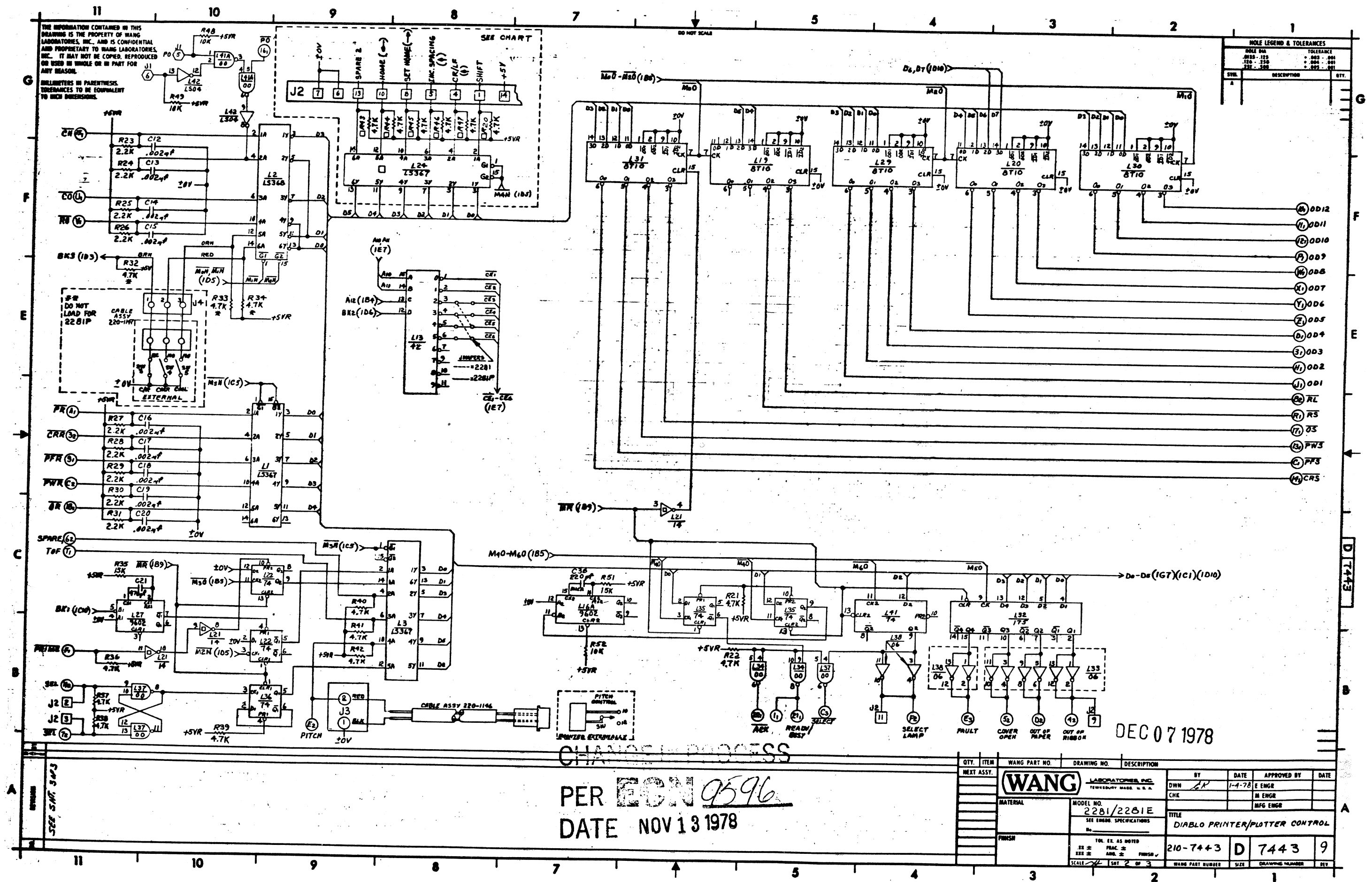
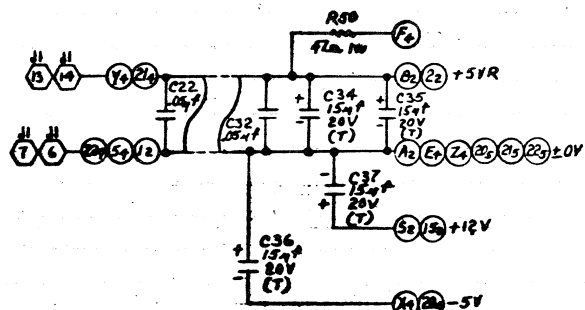






MILLIMETERS IN PARENTHESIS.
TOLERANCES TO BE EQUIVALENT
TO INCH DIMENSIONS.

Pin diagram of the 74181 ALU. The chip has 14 pins. The functions are as follows:

Pin	Function
1	$\overline{M_6N}$
2	$\overline{MR}$
3	D_1
4	D_0
5	P_0
6	rev
7	rev
8	rev
9	rev
10	rev
11	rev
12	$\overline{M_{80}}$
13	+5V
14	+5V

Diagram of the 12-pin connector for the 1000 series computer. The connector is a vertical strip with pins numbered 1 to 12. Pin 1 is labeled 'SHIFT'. Pin 2 is labeled 'SEL'. Pin 3 is labeled 'SEL'. Pin 4 is labeled 'CRAP'. Pin 5 is labeled 'ENC. SPINNING'. Pin 6 is labeled '10V'. Pin 7 is labeled '10V'. Pin 8 is labeled '10V'. Pin 9 is labeled '10V'. Pin 10 is labeled '10V'. Pin 11 is labeled '10V'. Pin 12 is labeled '10V'. The diagram shows the internal wiring of the connector, including the 'SHIFT' line, 'SEL' lines, 'CRAP' line, 'ENC. SPINNING' line, and '10V' lines.

J3

①	— +5V
②	— PITCH

J4

①	— C/R SW.
②	— CMR SW.
③	— CML SW.

LOCATION	HL. PART NO.	TYPE
439, 423, 20	376-0192	74LS367
L2	376-0193	74LS368
L3-8	377-0303	2101-1
L9-12	SEE CHART	2708
L13, 25, 39, 40	376-0008	7442
L15	377-0269	8080
L16	377-0338	8226
L17, 18	376-0183	74173
L19, 20, 29-31	376-0137	8T10
L21	376-0139	7414
L22, 35, 36, 41	376-0006	7474
L26	376-0093	7432
L27, 16A	376-0104	9602
L32	376-0019	74175
L33, 38	376-0055	7406
L34, 37, 44	376-0002	7400
L42	376-0180	74LS04
L43	376-0010	7404
L44	376-0081	7408
L45	377-0337	8224

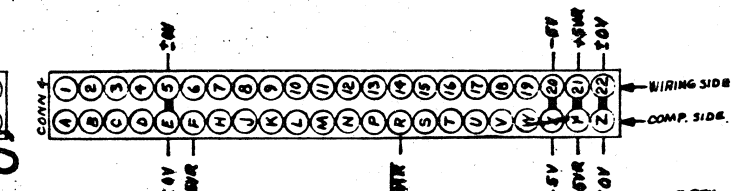
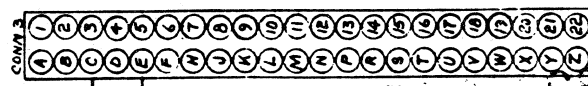
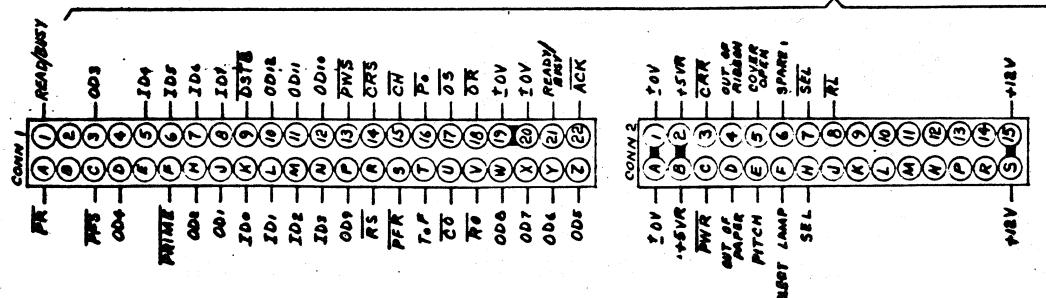
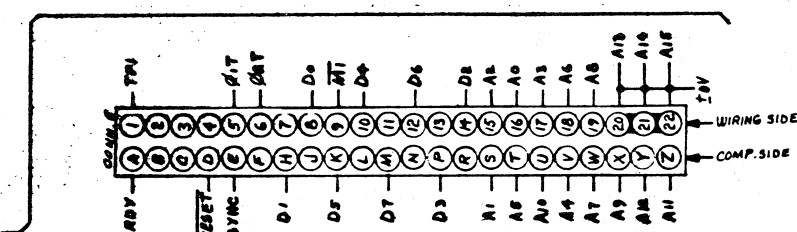
COMPONENT	W.A. PART NO.	TYPE
Q1	375-0017	2N3014
Q1	375-9004	TRANSI-PAD
R1, 2, 48, 49, 52	330-4010	10K $\frac{1}{4}$ W 10%
R3, 4, 5, 18-21, 32-36, 34-71	330-3047	4.7K $\frac{1}{4}$ W 10%
R6	330-2033	330 Ω $\frac{1}{4}$ W 10%
R7-14	330-3010	1K $\frac{1}{4}$ W 10%
RE3-31	330-3022	2.2K $\frac{1}{4}$ W 10%
R35, 51	330-4015	15K $\frac{1}{4}$ W 10%
C1	300-4017	5.6 μ F 35V
C2	300-4014	2.2 μ F 20V
C3	300-1068	68 μ F 500V
C4-11	300-1930	1 μ F 50V (41 FRAG)
C12-20	300-1913	.002 μ F 500V
CE1	300-1470	470 μ F 500V
C22-33	300-1900	.05 μ F 12V
C34-37	300-4022	15 μ F 20V
XTAL	321-0018	17.1 MHZ
L45	376-9002	16PIN SOCKET
J1, 2	376-9012	14PIN SOCKET
L5-8	376-9010	22PIN SOCKET
L9-12	376-9003	24PIN SOCKET
L15	376-9011	40PIN SOCKET
C38	300-1220	220 μ F MICA
R50	332-1047	97 Ω 1W
J3	220-1146	CABLE
J4	654-1193	HEADER ASSY

HOLE LEGEND & TOLERANCES	
HOLE DIA	TOLERANCE
.0138 - .125	+ .003 - 0
.126 - .250	+ .004 - 0
.251 - .500	+ .005 - 0

MNEMONIC	COORDINATE
ACK	2B5
A0 - A11	1F7
A12	1E6
A13 - A18	1G7
CE1 - CE6	1E7
CH	2G11
CO	2F11
COVER OPEN	2B3
CRR	2D11
CRS	2D1
D0 - D7	1D10
DSTB	1C11
FAULT	2B4
ID0 - ID7	1E11
IO/W	1B7
M1	1B7
M0N - M7N	1C5
M0O - M7O	1B5
MR	1B9
OD1 - OD12	2E1
OR	2C8
OS	2D1
OUT OF PAPER	2B3
OUT OF RIBBON	2B3
PRR	2D11
PPS	2D1
PITCH	2B9
PRIME	2B11
PS	2F11
PR	2D11
PWR	2D11
PWS	2D1
RDY	1F11
READY/BUSY	2B5
RESET	1F11
RL	2D1
RO	2FH
RS	2D1
SEL	2B11
SEL	2A8
SELECT	2B5
SELECT LAMP	2B4
SPARE,	2C11
SYNC	1G6
TP1	1E11
ToF	2C11
Q1T	1G6
Q2T	1G7

VARIATION CHART						
MODEL	209	210	L12	L11	L10	L9
2281	7443	7443A	378-2069R2	378-2070R2		
9032	7443	7443B	378-2133R1	378-2134R1		
2281-P	7443-1	7443-1A	378-2150-R1	378-2151-R1	378-2152-R1	378-2153-R1
2281-V	7443	7443C	378-2217	378-2218		
DIAGNOSTIC	7443	7443D	378-2223	378-2224		

SIGNAL-TERMINAL DESIGNATIONS. VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR



CHANGE IN PROCESS
PER 9.5%

DEC 07 1978

[illegible]

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION	BY	DATE	APPROVED BY	DATE	
NEXT ASSY.	WANG LABORATORIES INC. TECHNOLOGY MADE U.S.A.	MATERIAL	MODEL NO. 228/228IE	SEE ENGR. SPECIFICATIONS No _____	DWN	PK	7-4-78	E ENGR F. LEE	6/14/78
					CHR	ADL	6/14/78	IN ENGR	
								MFG ENGR	
	FINISH		TOL. EX. AS NOTED XX ± FPM. ± XX ± AMP. ± FINISH ✓		TITLE DIABLO PRINTER/LOTTER CONTROL				
					210-7443	D	7443	9	