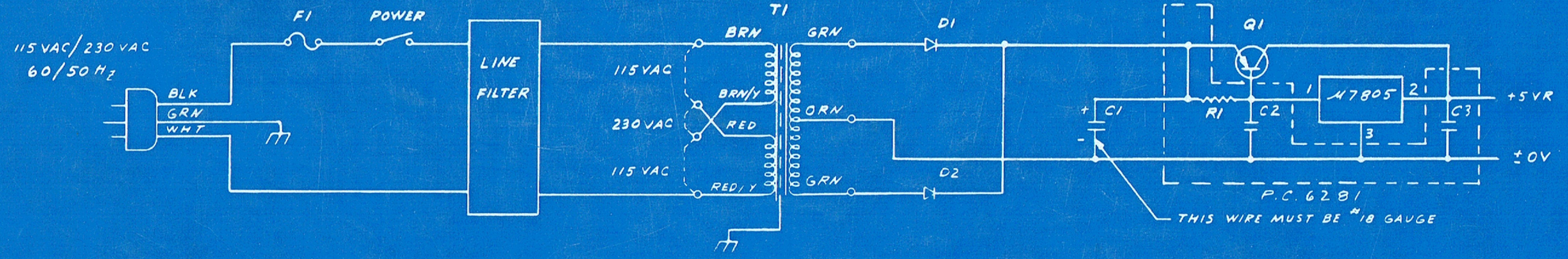
PRODUCT SERVICE

SCHEMATIC MANUAL



REFERENCE INFORMATION ONLY

NOT CONTROLLED

WANG LABORATORIES, INC.
ONE INDUSTRIAL AVENUE, LOWELL, MASSACHUSETTS 01851, TEL. (617) 851-4111, TWX 710 343-6769, TELEX 94-7421

Printed in U.S.A.

PRODUCT SERVICE

SCHEMATIC MANUAL

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WANG LABORATORIES, INC.
836 NORTH STREET, TEWKSBURY, MASSACHUSETTS 01876, TEL (617) 851-4111, TWX 710 343-6769, TELEX 94-7421

03-0019
SCHEMATIC MANUAL

May, 1977

SCHEMATIC MANUAL REPRINT

The original quantity of schematic manuals was exhausted, necessitating a reprint. Because of the bulk of the original manual and the limited use of the first several sections, this reprint only contains the following sections: Model 1200/1222; 2200; PERIPHERALS; and DIABLO SERIES 40 DISK DRIVE. This reprinted manual contains all updates and revisions included in the first three schematic manual addenda.

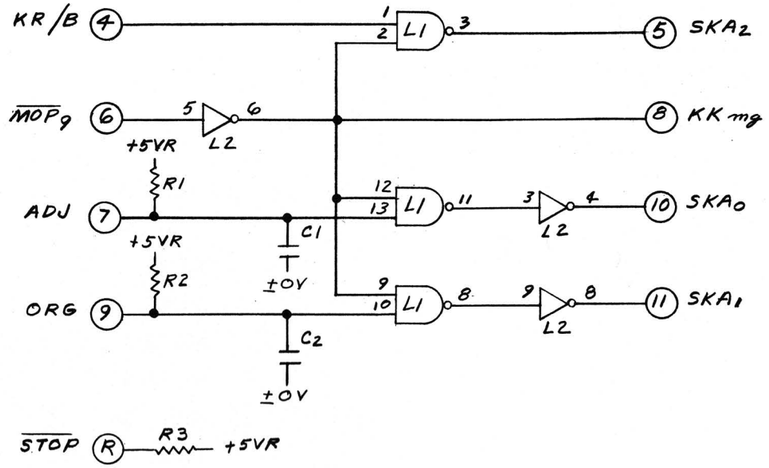
Printed in U.S.A.

MODEL 1200/1222 SYSTEM

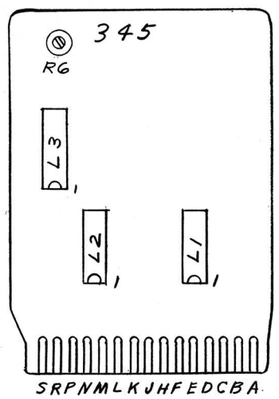
The following schematics are contained in this section in the following order:

TITLE	DRAWING #	NO. OF SHEETS
345	C6405-1	1
L522	D6152	1
L579	E6440	1
F564	D6164	1
6013	C6013	1
6014	C6014	1
6165	6165	5
6170	D6170	1
6171	D6171	1
6172	D6172	1
6173	D6173	1
6174	D6174	1
6174-1	D6174-1	1
6175	D6175	1
6176	D6176	1
6177	D6177	1
6178	D6178	1
6192	D6192	1
6195	D6195	1
6220	E6220	1
6231	D6231	1
6237	E6237	1
6264	D6264, E6264	2
6293	E6293	1
6370	D6370	1
6371	D6371	1
6372	E6372	1
6373	D6373	1
6384	D6384	1
6385	D6385	1
6393	E6393	1
6393-1	E6393-1	1
6508	D6508	1
6510	A6510-1	1
6511	B6511-1	1
6512	A6512-1	1
6513	A6513	1
6514	A6514	1
6515	A6515	1
6516	E6516-1	1
6517	D6517	1
6518	E6518-1	1
6519	D6519	1
6520	D6520	1
6523	C6523-1	1
6524	C6524-1	1
6530	E6530-1	1
6536	D6536-1	1
6705	D6705	1
6712	E6712	1
6714	E6714	1
6715	E6715	3
6719	E6719	1
6720	E6720	1
6721	D6721	1
6737	E6737	1
6780	E6780	1
6781	E6781	1
7020	D7020	1
1200 TPWTR WIRING	D5776-975 sht.1	1
1200 C1,2,3 WIRING	D5776-975 sht.3	1
1222 TPWTR WIRING	6497-260	2

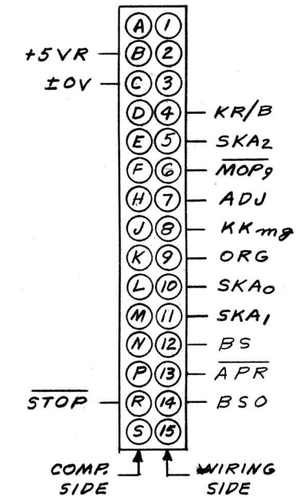
REVISIONS
PER ECN 3178 ADDED I.C. CIRCUIT 8-28-72 APP'D SKH

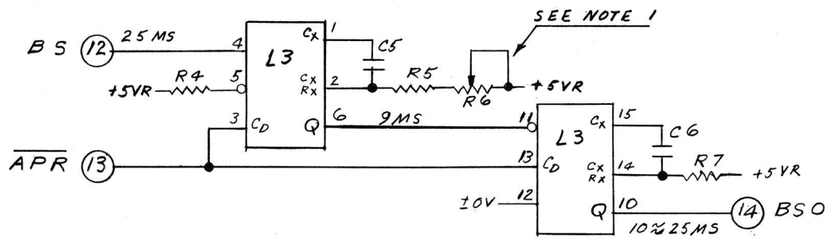


LOCATION	TYPE	W.L. PART NO.	TERM NO. V_{CC} +5VR	TERM. NO. ±0V	QTY
L1	SN7400N	376-0002	14	7	1
L2	SN7404N	376-0010	14	7	1



COMP.	SIZE/TYPE	W.L. PART NO.	QTY
R1,2,3,5	10K 1/4W	330-4010	3
R4	1K 1/4W	330-3010	1
C1,2	22 PF	300-1220	2
C3	10MF 16VDC	300-3006	1
C4	.02 MF	300-1904	1
R6	10K POT	336-1010	1
R7	15K 5% 1/4W	330-4016	1
C5	2.2MF 5% 35V	300-4027	1
C6	5.6MF 5% 35V	300-4025	1



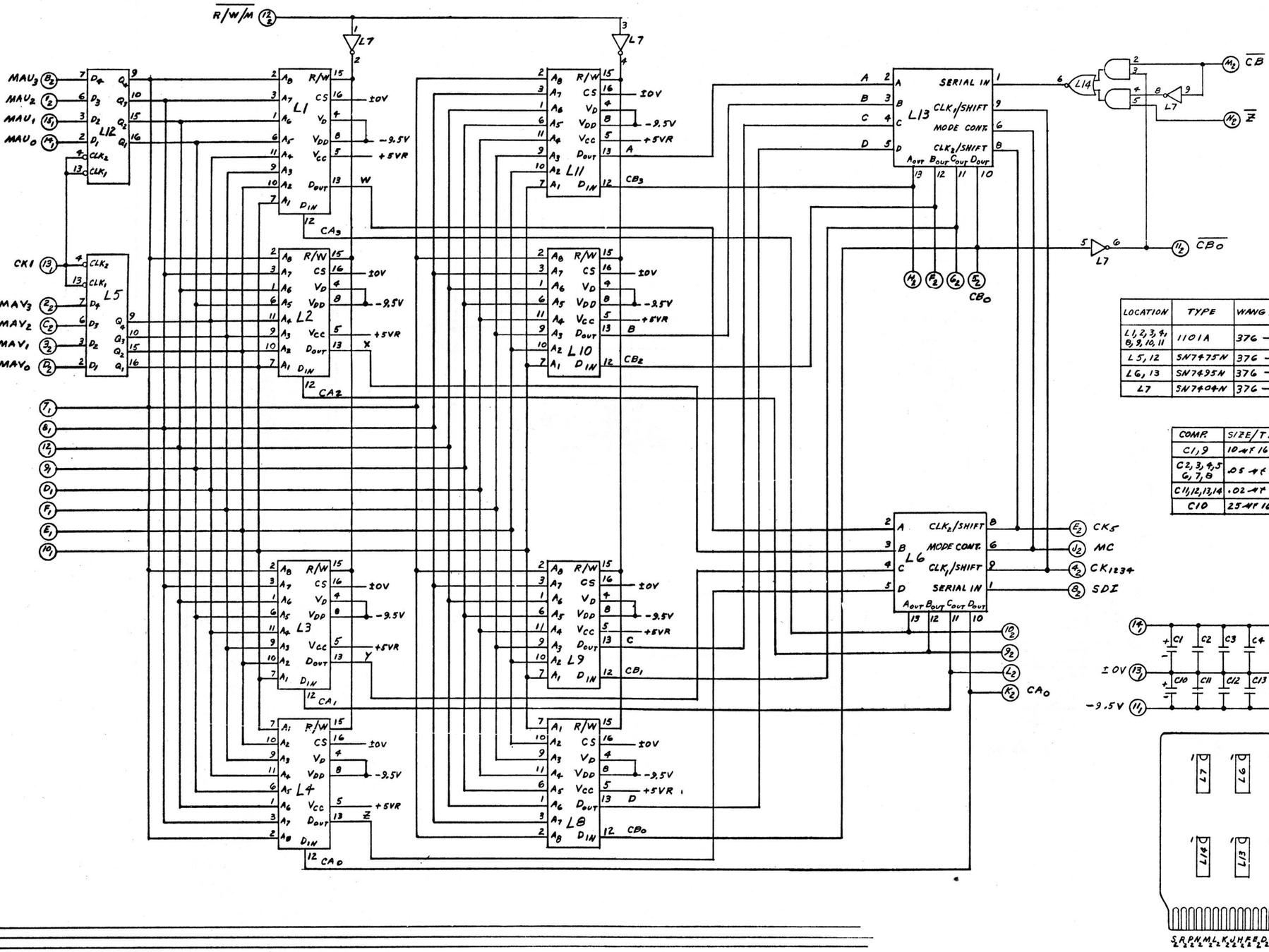


NOTE
1. ADJUST THE 10K POT. FOR 9MS PULSE OUT OF PIN 6

WANG LABORATORIES INC. TEWKSBURY, MASS.				
MODEL NO. 1200	DRAWN	2/16/71	APP.	3/17/72
	CHECKED		APP.	
TITLE: SCHEMATIC LOGIBLOC # 345 KEYBOARD CONTROL				
W.O. NO. 510 210-0345	DWG. NO. C 6405-1		REV. 1	

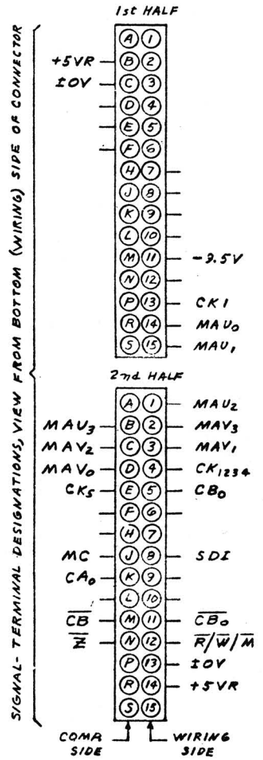
C

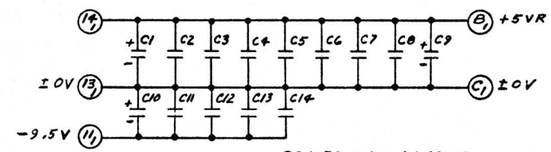
DO NOT SCALE



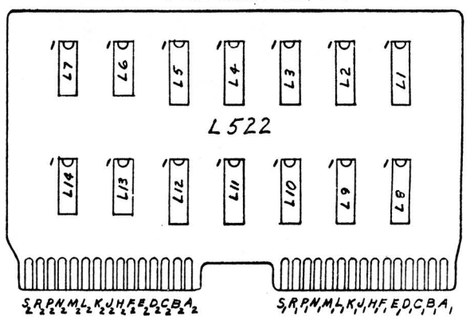
LOCATION	TYPE	WANG PART No.	TERM. No. V_{CC} +5VR	TERM No. ±0V	QTY
L1, 2, 3, 4, 8, 9, 10, 11	1101A	376 - 0000	5	14	8
L5, 12	SN7475N	376 - 0013	5	12	2
L6, 13	SN7495N	376 - 0059	14	7	2
L7	SN7404N	376 - 0010	14	7	1

COMP.	SIZE/TYPE	WANG PART No.	QTY
C1, 9	10 MF 16 VDC	300 - 3006	2
C2, 3, 4, 5 C6, 7, 8	.05 MF	300 - 1900	7
C11, 12, 13, 14	.02 MF	300 - 1904	4
C10	25 MF 16 VDC	300 - 3008	1





COMPONENT LAYOUT



NO.	REVISION	DATE

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	CHECKED	APP.	APP.
1200	9/17/71		DVD	3/10/72

TITLE SCHEMATIC, LOGIBLOC # L522
RAM (MOS MEMORY)

SHT OF | DWG. NO. D 6152-1 | REV.

D 6152-1

x2

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DO NOT SCALE

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	±.003
	.126 to .250	±.004
	.251 to .500	±.005

IDENT.	DESCRIPTION	QTY.
A		

EXTERNAL

EXTERNAL
MM 6124-2
410-0097

115/230 VAC
3A SB POWER
LINE FILTER 5A
BLK
GRN
WHT
BRN
BRN/YEL
RED
RED/YEL

P.C. BD. 6530

P.C. BD. L579

P.C. BD. 6508

TYPEWRITER MOTOR

CARRIAGE MOTOR

TO TYPEWRITER SOLENOIDS

TO TAPE DRIVE SOLENOIDS

TO TYPEWRITER SOLENOIDS

TYPEWRITER SW.

JUMPER 1
JUMPER 2
JUMPER 3
JUMPER 4
JUMPER 5
JUMPER 6
JUMPER 7

L1 9602
L2 9602
L3 SN7437N
L4 SN7406N
L5,6,7,8 723A
L7 LM301A
L8 LM301A

Q1 2N3014
Q2,3,4 2N3725
Q5,7 2N9234
Q6 HEAT SINK

1ST HALF

+5VR	A1	
I 0V	B2	
I 0V	C3	
CM RESET	D4	B_{28}
APR	E5	27VAC
	F6	B_{10}
-9.5V	H7	27VAC
	J8	-17V
	K9	-12V
	L10	P_{S6}
P_{S7}	M11	+17V
	N12	+12V
P_{S1}	P13	
P_{S2}	S14	-10V

2nd HALF

P_{S8}	A1	
P_{S9}	B2	
C UP	C3	
C DN	D4	BR
CR	E5	
P_{S5}	F6	
BI	H7	
+26V	J8	+26V
B_{28}	K9	I 7M
CM	L10	VCR
+28V	M11	+28V
BCR	N12	I 0V
	P13	I 0V
+33V	R14	+33V
	S15	

COMP. SIDE — WIRING SIDE

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

COMPONENT	SIZE/TYPE	W.L. NO.	QTY
R1, 37	1Ω ½W	331-0010	2
R2, 12, 23	5.6K ¼W	332-3056	3
R3, 30, 39, 43	1K POT	936-1014	4
R5, 11	1.2K 1W	332-3012	2
R6, 42, 52	120Ω ½W	331-2012	3
R7	560Ω 2W	337-2056	1
R8, 24, 26, 32, 45, 51	1K ¼W	330-3010	6
R9, 21	470Ω ¼W	330-2047	2
R10	.25Ω 3W	934-0017	1
R13, 19	6.8K ¼W	330-3068	2
R14, 29	220Ω ¼W	330-2022	2
R15, 36, 38, 28, 54	2.2K ¼W	330-3022	5
R16	100Ω ¼W	330-2010	1
R17, 18, 22, 27, 48, 49, 53	10K ¼W	330-4010	6
R33	22K ¼W	330-4022	1
R25	33K ¼W	330-4033	1
R27	27K ¼W	330-4027	1
R40	680Ω ¼W	330-2068	1
R34	47K ¼W	330-4047	1
R37	2.7K ¼W	330-3027	1
R43	82Ω 1W	332-1083	1
R44, 46, 21, 4	3.9K ¼W	330-3039	4
R47	3.3K ¼W	330-3033	1
R50	8.2K ¼W	330-3082	1
R20	39K ¼W	330-9039	1
C1, 2, 33, 34	50 MF 50V	300-3010	4
C3, 7, 12	.01 MF 100V MYLAR	380-2170	3
C5	470 PF CER	300-1470	1
C6	.1 MF 35V TANT	300-4002	1
C8	1 MF 35V TANT	300-4006	1
C9, 10	10 MF 35V TANT	300-4032	2
C11, 20, 21, 23, 24, 25, 4	.01 MF 25V	300-1203	7
C13	1000 PF CER	300-1100	1
C14	33 MF 35V TANT	300-4033	1
C15, 22, 28, 29, 30, 18	.02 MF CER	300-1204	6
C16, 19, 26, 31	15 MF 20V TANT	300-4032	4
C17, 23, 32, 35, 36	.05 MF 15V	300-1200	5
D1, 7, 14, 16, 18, 21	DIODE SIL	380-1004	6
D2, 3, 9, 12, 13, 14	RM 403	380-4000	6
D5, 6, 8, 10	IN 4742 A 5%	380-2121	4
D9	IN 749A 4.2V	380-2042	1
D15, 17	IN 751A 5.1V	380-2051	2
D19	DIODE GERM.	380-0000	1
D20	DIODE GERIS	380-3004	1
Q1, 2, 4	2N3014	375-0017	3
Q3, 6	2N3725	375-1042	2
Q5, 7	2N9234	375-1024	2
Q6, 7	HEAT SINK	375-9010	2

LOCATION	TYPE	W.L. No.	PIN No. -10V	PIN No. +5VR	QTY
L1, 2	9602	376-0104	8	16	2
L3	SN7437N	376-0068	7	14	1
L4	SN7406N	376-0035	7	14	1
L5, 6, 7, 8	723A	376-0066	—	—	4

COMPONENT LAYOUT

L579 REV

REVISION	BY	DATE	M.F.	DRC.	R.C.S.	E&A
REVISED PER RFA 0698 APP'D		2-23-76	2-23-76	2-23-76	2-24-76	2-25-76
REVISED PER RFA 0686 APP'D		3-3-76	3-3-76	3-3-76	3-3-76	3-4-76
REVISED PER RFA 0756 APP'D		3-30-76	3-30-76	3-30-76	3-30-76	3-30-76
REVISED PER ECN 9435 APP'D		4-1-76	4-1-76	4-1-76	4-1-76	4-1-76
REVISED PER ECN 9435 APP'D		4-26-76	4-26-76	4-26-76	4-26-76	4-26-76

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION
Qty./Unit	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL — MODEL NO. 1222 — SEE ENGRG SPECIFICATIONS No.

FINISH — TOL. EX. AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG. ± 1°30' FINISH 125

SCALE X — SHT 6 OF 6

BY	DATE	APPROVED BY	DATE
DWN	2-23-76	E ENGR	4-8-76
CHK	4/8/76	M ENGR	
E.C. CONTROL		MFG ENGR	

TITLE — SCHEMATIC, LOGIBLOC POWER SUPPLY REGULATOR

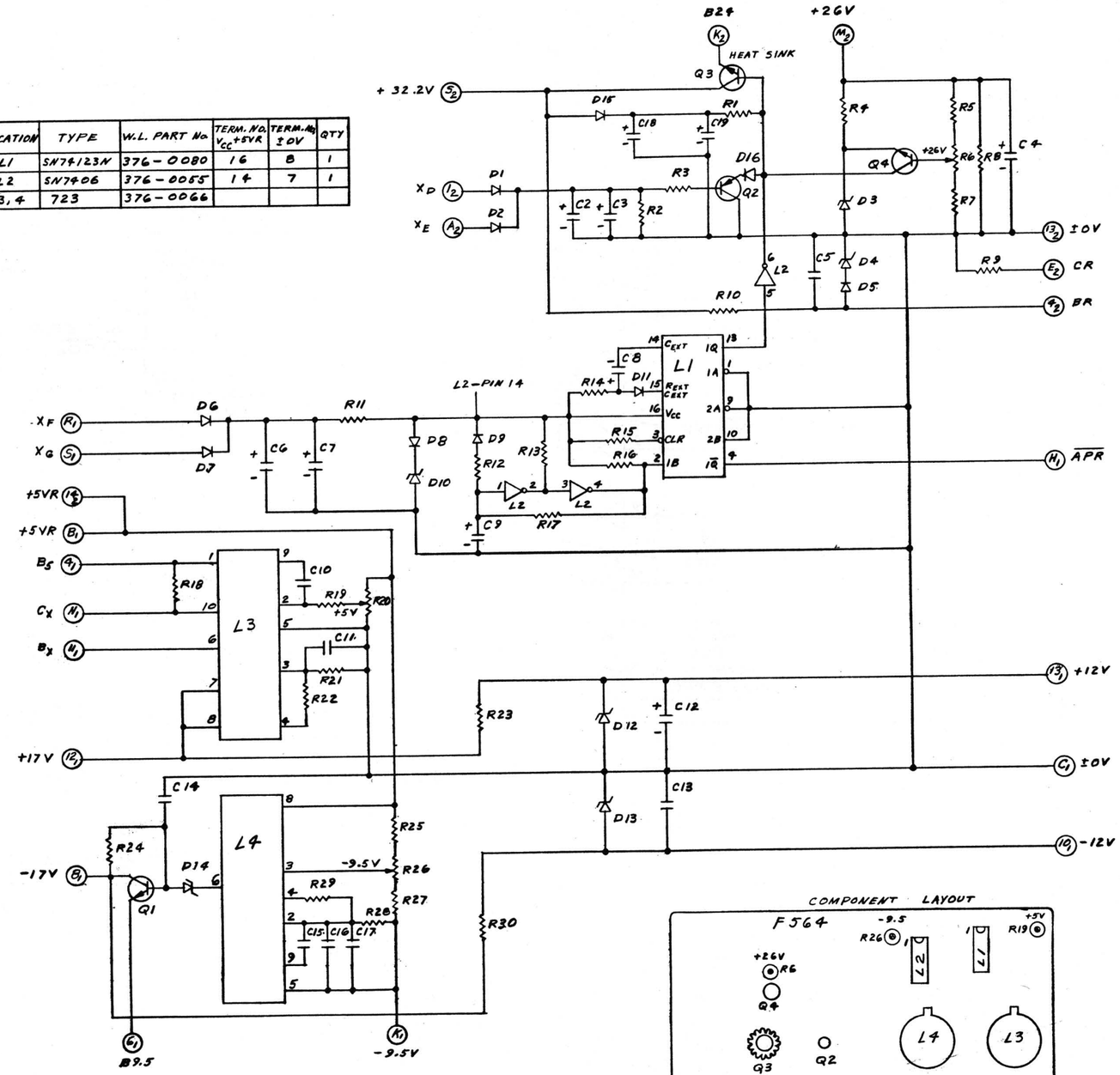
E 6440 6 — WANG PART NUMBER | SIZE | DRAWING NUMBER | REV.

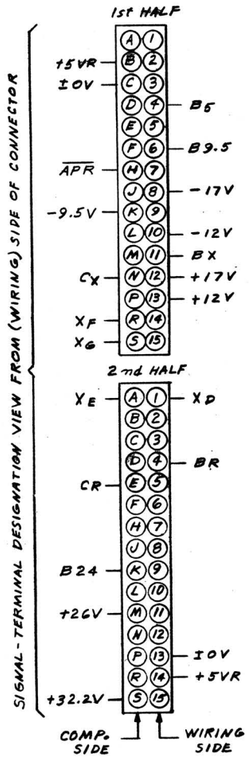
E REV. 2

E 6440

COMP.	SIZE/TYPE	W.L PART No.	QTY
R1	1.5K	1/4W	330-3015	1
R2,14	18K	1/8W	330-4018	2
R3	2.2K	1/2W	331-3022	1
R4	33K	1/8W	330-4033	1
R5,7,21	4.7K	1/8W	330-3047	3
R6,20,26	1K	POT	336-0003	3
R8	1K	1W	332-3010	1
R9,13,15,16	10K	1/8W	330-4010	4
R10	560Ω	1W	332-2056	1
R11	100Ω	2W	337-2010	1
R12	100Ω	1/4W	330-2010	1
R18	1Ω	1/2W	331-0010	1
R19	470Ω	1/4W	330-2047	1
R22	2.7K	1/4W	330-3027	1
R23	100Ω	1/2W	331-2010	1
R24	560Ω	1/4W	330-2056	1
R27	1K	1/8W	330-3010	1
R25,28,29	3.3K	1/8W	330-3033	3
R30	100Ω	1W	332-2010	1
R17	6.8	1/4W	330-3068	1
C10	.0068μf		300-1911	1
C2,3	1.2μf 50VDC		300-4030	2
C4,6,7	50μf 50VDC		300-3010	3
C5	.02μf 25V		300-1904	1
C8	18μf 16V TANT.		300-4018	1
C9	1μf 35V TANT		300-4000	1
C11,16,17	.05		300-1900	3
C12,13	100μf 25VDC		300-3033	2
C14,15	.01μf		300-1903	2
C18,19	100μf 50VDC		300-3052	1
D1,2,6,7,8	FM403		380-4000	5
D3,4,12,13	IN4742 12V		380-2121	4
D5,9,10,11	SIL. DIODE		380-1004	4
D10,14	IN749A 4.2V		380-2042	4
D16	SIL DIODE		380-1004	1
Q1,2	GT594		375-1017	2
Q3,4	2N3725		375-1027	2

LOCATION	TYPE	W.L. PART No.	TERM. No. V_{CC}+5VR	TERM. No. ±0V	QTY
L1	SN74123N	376-0080	16	8	1
L2	SN7406	376-0055	14	7	1
L3,4	723	376-0066			





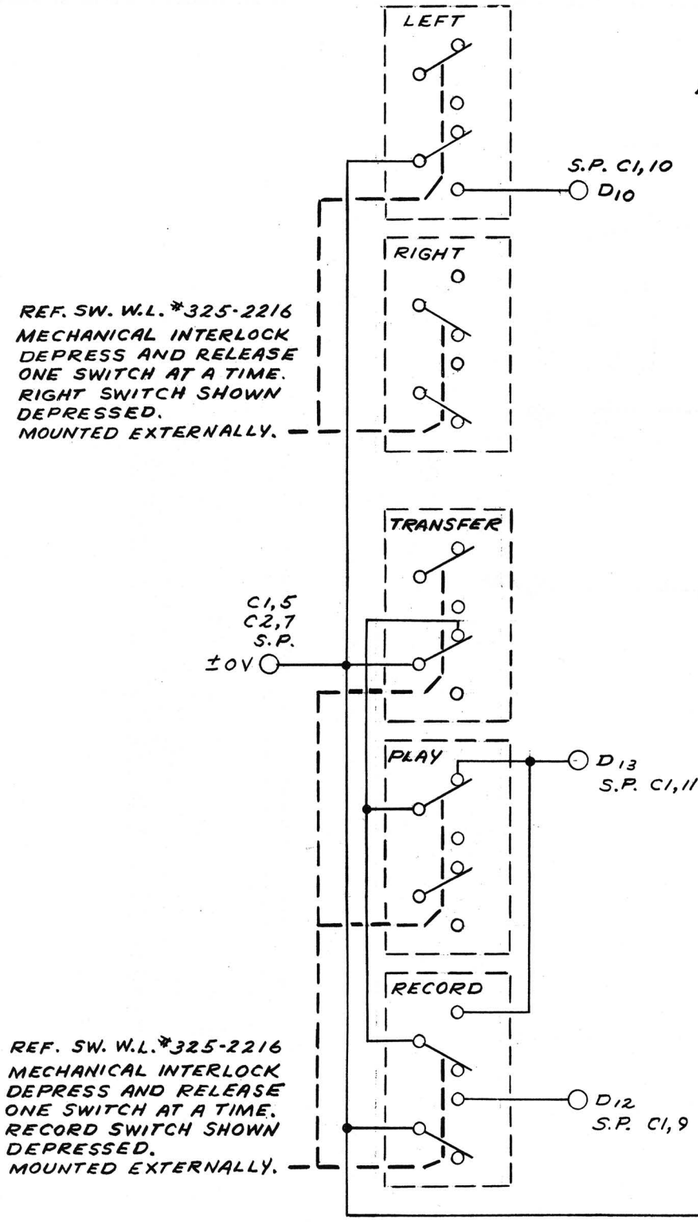
REV.	REVISION	BY	DATE	APP'D	DATE
1	PER ECN 2936 DELETED Q1 R2 WAS 18K ADDED D15,C18 APP: SKH		3/21/72		
2	PER ECN 2932 R23 WAS 150Ω APP: SKH		4-5-72		
3	PER ECN 2965 R2 WAS 47K ADDED D15 380-1004 APP: SKH		5-15-72		
4	PER ECN 3008 C2&C3 WAS 1.2μf 35VDC APP: SKH		8/31-72		
5	REVISED PER E.C.# 3611 APP'D. SKH		3-30-73		

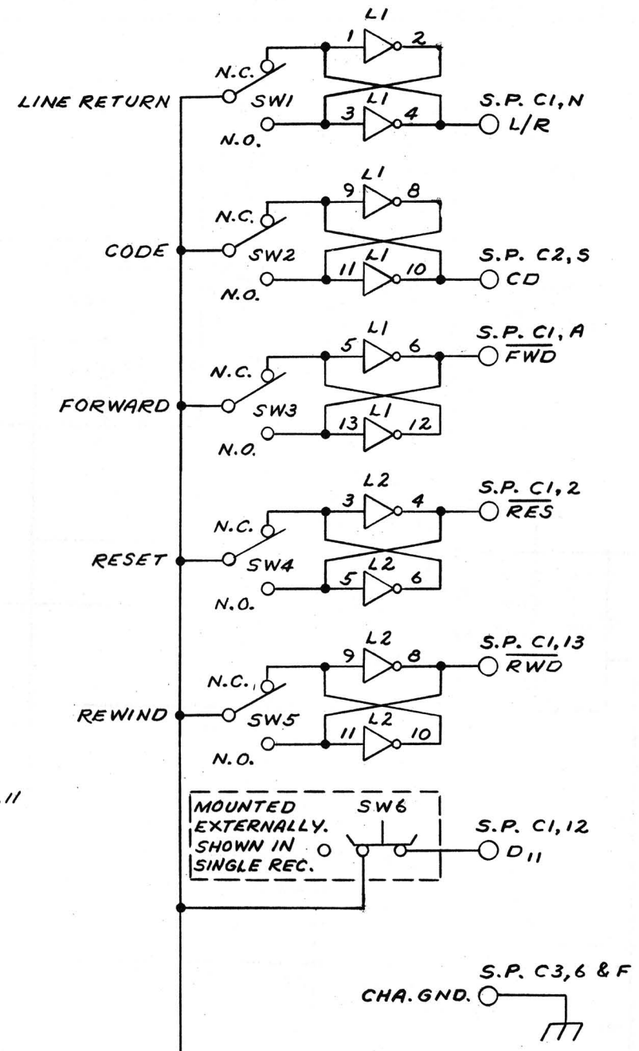
WANG LABORATORIES INC.
TEWKSBURY, MASS.

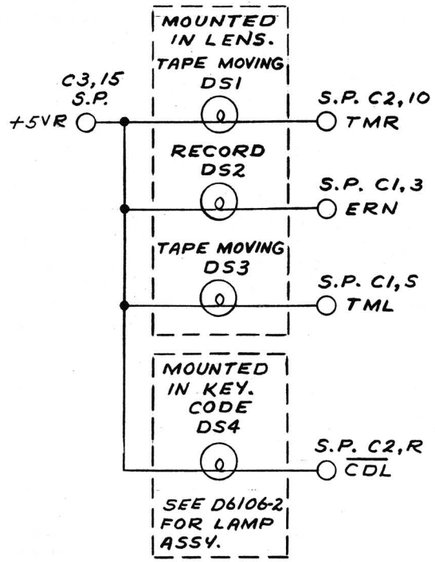
MODEL NO.	DRAWN	DATE	APP.	DATE
1200	JD	2/5/72	DHD	3/13/72
	CHECKED		APP.	

TITLE: SCHEMATIC LOGIBLOC POWER SUPPLY F564

SHT 1 OF 1 | DWG. NO. D 6164-1 | REV. 5





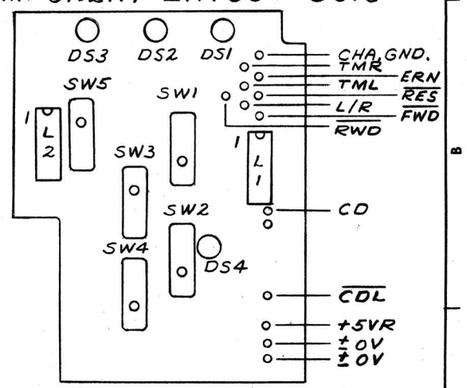


REVISIONS
REVISED: PER E.C.*3156 F.S.S. 8-30-72 APP'D. SKH
REVISED: PER E.C.*3514 F.S.S. 2-8-73 APP'D. SKH

COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
C1	10μf 15V	300-3006	1
C2	.05μf 12V	300-1900	1
DS1,2,3,4	CM-6833	370-0015	4
SW1,2,3,4,5	11SM1	325-2305	5
SW6	SLIDE SW.	325-2108	1

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5VR	QTY.
L1,2	F9936	376-0026	7	14	2

COMPONENT LAYOUT 6013



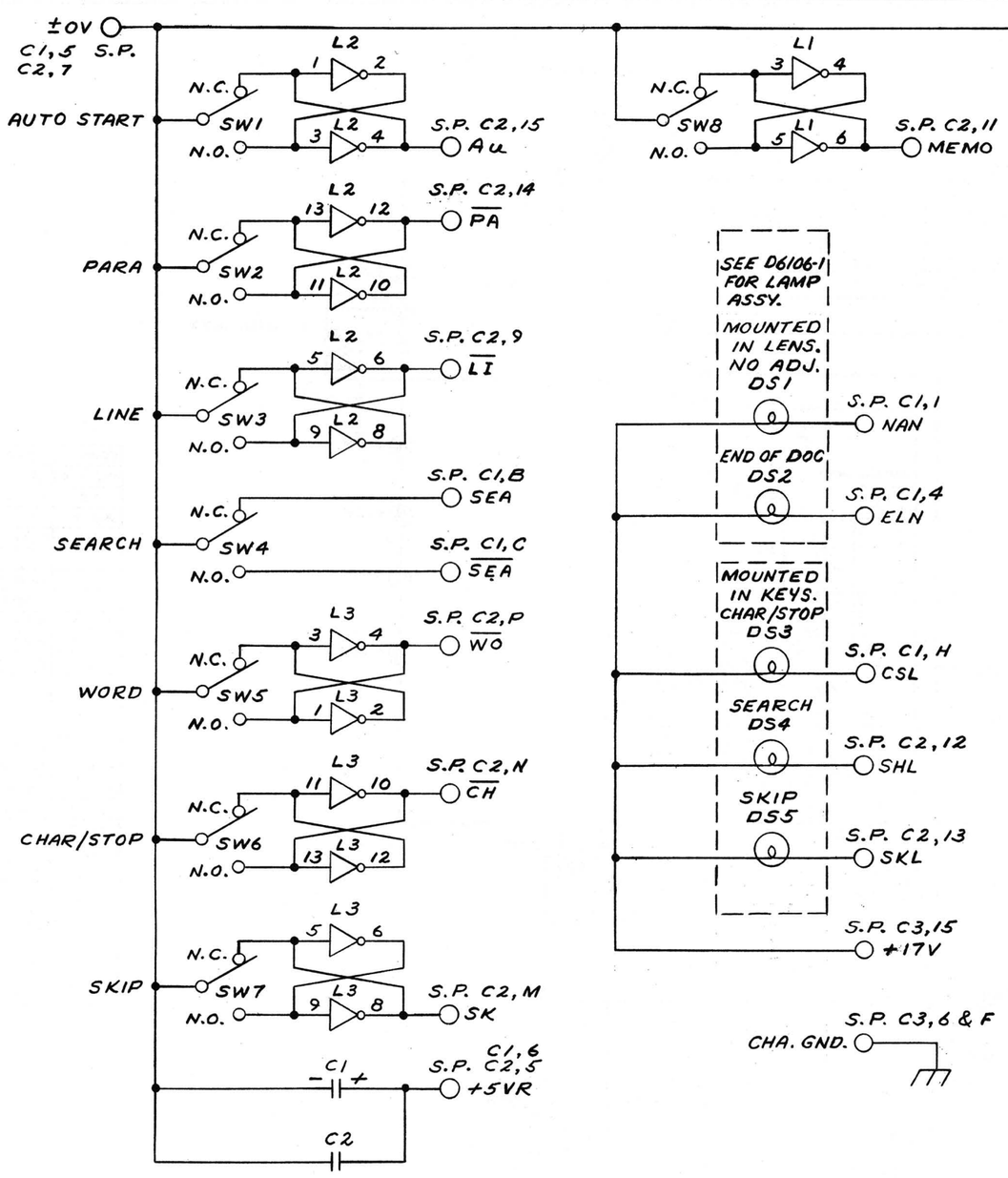
WANG LABORATORIES INC.
TEWKSBURY, MASS.

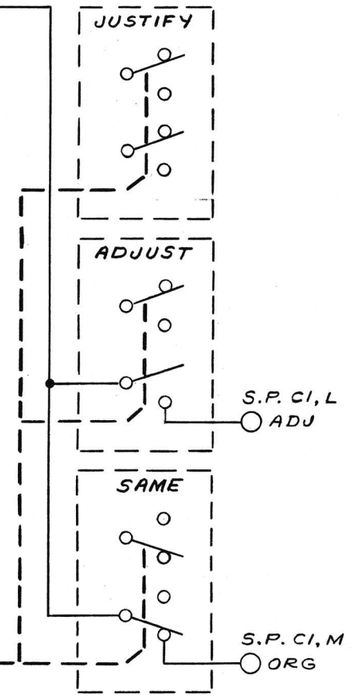
MODEL NO.	DRAWN	CHECKED	APP.	APP.	
1200	F.S.S. 2-10-72		DD		3/11/72

TITLE: SCHEMATIC LOGIBLOC
LEFT KEYBOARD FOR MODEL 1200

W.O. NO.	DWG. NO.	REV.
	C 6013-1	2

DWG. NO. C 6013-1

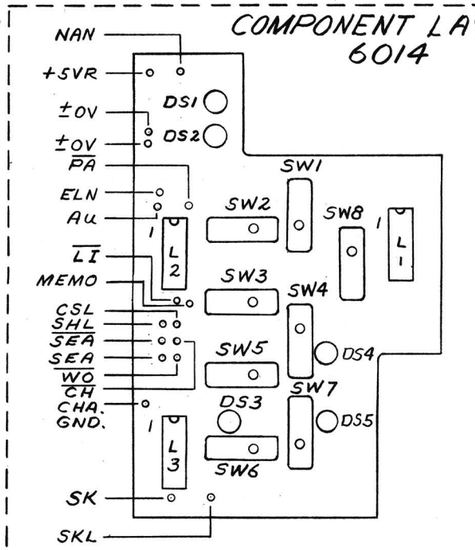




REF. SW. W.L.# 325-2217
MOUNTED EXTERNALLY.
MECHANICAL INTERLOCK
DEPRESS AND RELEASE
ONE SWITCH AT A TIME.
SAME SWITCH, SHOWN
DEPRESSED.

COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
C1	10μf 15V	300-3006	1
C2	.05μf 12V	300-1900	1
DS1,2,3,4,5	CM-6833	370-0015	5
SW1,2,3,4,5,6,7,8	11SM1	325-2305	8

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5VR	QTY.
L1,2,3	F9936	376-0026	7	14	2



REVISIONS
REVISED: PER E.C.# 3217. F.S.S. 9-16-72 APP'D SKH
REVISED: PER E.C.# 3514 F.S.S. 2-8-73 APP'D. SKH

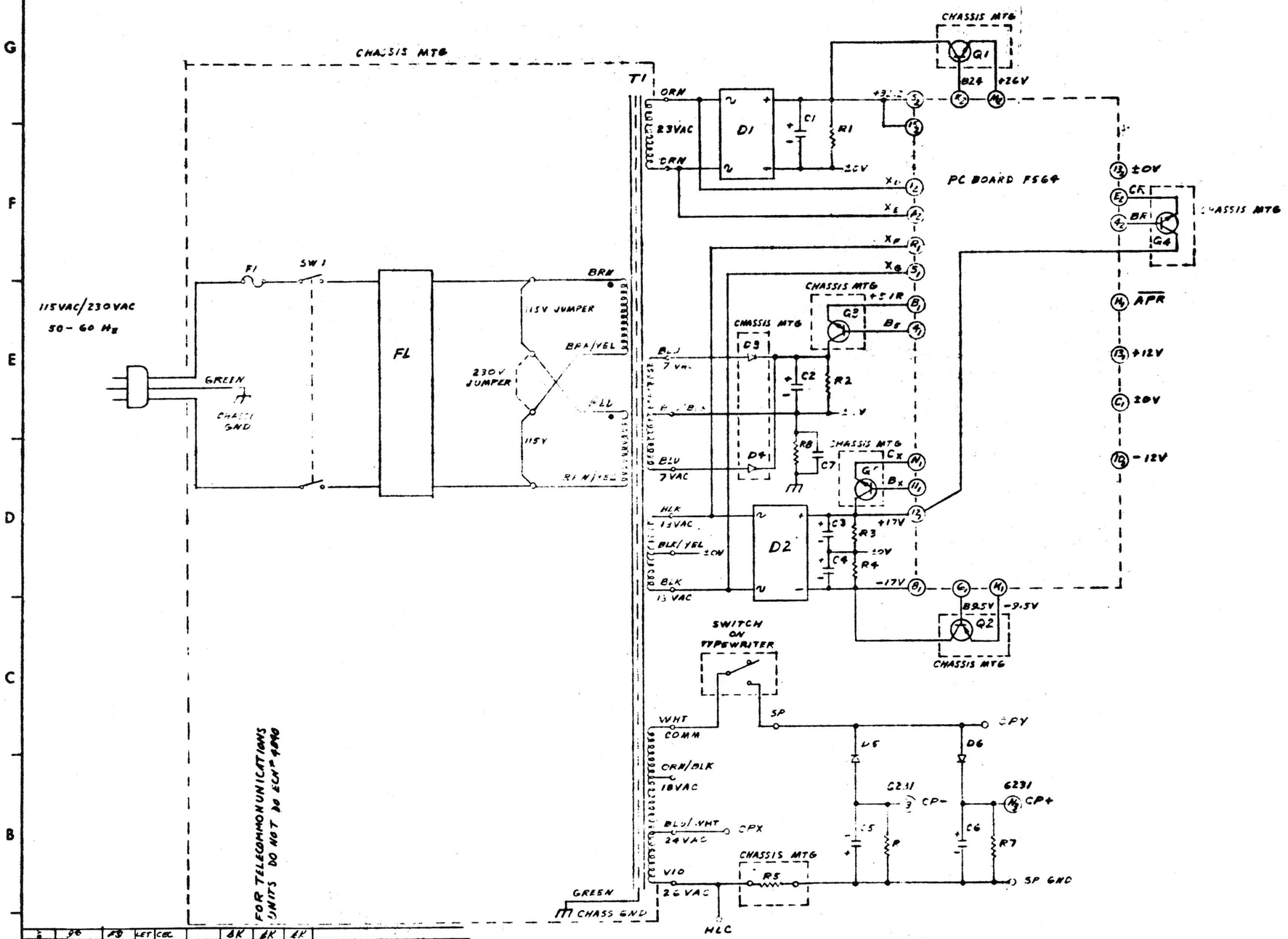
WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.
1200	F.S.S. 2-8-72	3/17/72
	CHECKED	APP.

TITLE
SCHEMATIC LOGIBLOC
RIGHT KEYBOARD FOR MODEL 1200

W.O. NO.	DWG. NO.	REV.
	C 6014-1	2

1-61090 ON DWG.



COMP	SIZE / TYPE	WL. PART No.	QTY
R1, 2, 3, 4	10K ¼W	330-4010	4
R5	10 Ω 10 W	330-0046	1
R6, 7	1K 2 W	337-3010	2
R8	100K ½ W	331-5010	1
C1	11000 MF 50VDC	300-8067	1
C2	4000 MF 12VDC	300-3044	1
C3, 4	6000 MF 20VDC	300-3019	2
C5, 6	500 MF 50VDC	300-3063	2
C7	.47 MF 100...	300-2243	1
D1, 2	MDA 970-1	380-4003	2
D3, 4	IN1200A	383-3801	2
D5, 6	EM 403	383-4000	2
Q1, 3	40251	375-1008	2
Q4, 5	40250	375-1028	2
Q2	2N6246	375-1029	1
FL	LINE FILTER	410-2002	1
T1	TRANSFORMER	410-0070	1
F1	2.5 A SB	360-1025	1
SW1	DPST	325-0000	1
	POWER CABLE	420-1000	1

NO	REVISION	BY	DATE	APP'D	LET	CEL
1	PER ECN #'S 87 REMOVE UNUSED FROM LINE FILTER APP'D BY		1-31-75			
2	PER ECN #3660 C1 WAS 4000 MF APP'D BY		2-26-75			
3	SEE SHEETS 2,3 & 4				11th	11th
4	REV PER ECN 0902 11th MFM (CE)				11th	11th
5	REV PER ECN 1276 SEE SHEETS 3 & 4 ONLY LET 11-13-74					
6	REF PER ECN-4742 SEE SHEET 2 APP'D!	AK	4-7-75			
7	REV PER ECN-4840 SEE SHEET 4 APP'D!	AK	6-10-75			
8	REF PER ECN 4680 APP'D: TSF 6/24/75	AK	6-30-75			

SHEET 4 IS "E" SIZE
SHEETS 7, 8, & 9 ARE "C" SIZE

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 1200 | DRAWN [illegible] 7/11/75 | APP'D [illegible] 5/14/75 | DATE 8/1/75

TITLE SCHEMATIC LOG. BLOC "6165" POWER SUPPLY AND MOTHER BOARD

SHT 6 OF 9 | SIZE D | DWG NO 6165 | REV 8

JUMPERS

6177 CONN.1 · 6178 CONN.1 · 6176 CONN.1 · L522 CONN.1 · 6195 CONN.1 · 6192 CONN.1 · 6174 CONN.1 · 6373/6173 CONN.1 · 6372/6172 CONN.1 · 6371/6171 CONN.1 · 6370/6170 CONN.1 · C1 · 6237 CONN.1 · 6231 CONN.1 · PF64 CONN.1

CONN.2 · CONN.3

JUMPERS

C3 · C4 · C2 · C1

6165-X6

5223 P1 TO ROM DWG. 5969-1 OR R.O.M. DWG. 6293-1 OR DUAL ROM CONTROL DWG. 6264-1

NOTE: P1 & P2 REF. HARNESS DWG. D5776-981

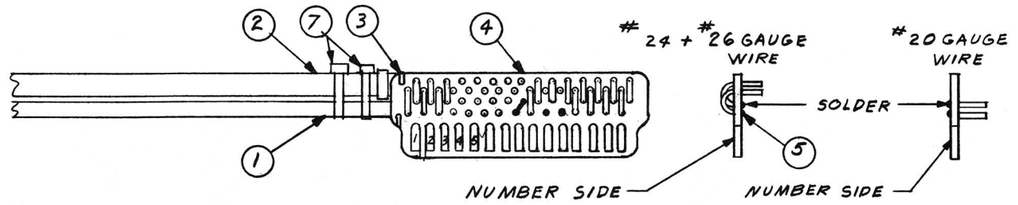
5223 P2 TO R.O.M. DWG. 5969-1 OR R.O.M. DWG. 6293-1 OR DUAL ROM CONTROL DWG 6264-1

SHEET 6 IS "D" SIZE
SHEETS 7, 8, & 9 ARE "C" SIZE

C-6165-2 RIGHT DECK { CABLE1, CABLE2 }
C-6165-4 LEFT DECK { CABLE3, CABLE4 }

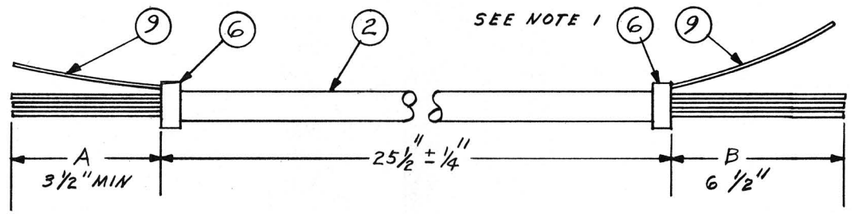
REVISION	BY	DATE	APPROVED BY	DATE
1 REVISE PER ECO 5660 AND ADD 5661 AFFD 5661		7-28-73		
2 CHANGED PER RPA-0370 AND DWG.		8-29-73		
3 SEE SHEET #6 FOR LATEST UPDATE		11-5-73		

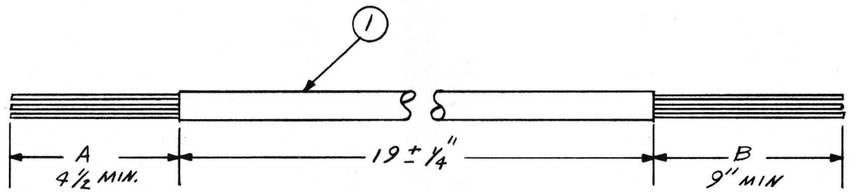
QTY.	NAME	MATERIAL	DESCRIPTION
WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		DWN	3/13/72 E ENGR
		CHK	3/14/72 M ENGR
MATERIAL	MODEL NO. 1200	E.C. CONTROL	MFG ENGR
FINISH	SEE SHOP SPECIFICATIONS No. SS-1001	TITLE	SCHEMATIC LOGIBLOC 6165 POWER SUPPLY AND MOTHER BOARD
	TOL. ON .XX MAYBE .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1/2° POWER (1)	210-6165	E 6165 8
	SCALE NITE	WANG PART NUMBER	SIZE DRAWING NUMBER REV.



REVISIONS
REVISED: PER E.C.# 3088 F.S.S. 7-7-72 APP'D SKH
REVISED! PER ECN # 3182 8-28-72 APP'D SKH
REVISED: PER ECN # 3433 12-15-72 APP'D CW

TO SIGNAL SOLDER PT	WIRE LENGTH A	WIRE LENGTH B	WIRE NO. OR COLOR	FROM 5223 PIN NO.	REMARKS
$\overline{ROP}$	1 3/8"	4 5/8"	1	1	
RTCK	1 1/2"	4 1/2"	2	2	
RDK	1 5/8"	6 1/4"	3	3	
				4	
				5	
				6	
				7	
				8	#24 BUSS TO J
+12V	2 1/2"	1 3/4"	4	9	
CH GND	3	1 3/4"	GREEN	10	
-12VR	3	1 1/2"	5	11	
+26VR	3 1/2"	6"	YELLOW	12	
FSR	3 5/8"	8 1/2"	BROWN	13	
RSR	3 3/4"	7 1/4"	ORANGE	14	
HIR	3 7/8"	7"	BLUE	15	
$\overline{RCR_0}$	1 1/4"	4 3/8"	6	A	
DIR1	1 3/8"	4 1/4"	7	B	
DIR0	1 1/2"	6"	8	C	
				D	
				E	
				F	
				H	
±0V	2 1/4"	2 1/2"	SHIELD	J	#20 BLACK
+5VR	2 3/4"	2"	9 AND 10	K	
24VAC	—	—	—	L	#24 BUSS TO M
24VAC	3 1/4"	5 1/4"	BLACK	M	
24VAC	3 3/8"	5 1/2"	WHITE	N	
M1 XR	3 1/2"	4 1/4"	GRAY	P	
M2 XR	3 5/8"	4 1/2	VIOLET	R	
CAPST	3 3/4"	4"	RED	S	





NOTE:
1. TO INSTALL ITEM 6 USE T&B TOOL NO. WT640 WITH DIE No. 6403. ADJUST TOOL TO A GAP OF .200

ITEM	QTY	NAME	W. L. PART NO.	DESCRIPTION
1	33"	CABLE	420-0038	10 COND #22 GAUGE
2	36	CABLE	420-0032	10 COND #28 GAUGE SHIELDED
3	A/R	LACING	605-1001	BLACK
4	1	P.C. BOARD	510-5223	FINGER BOARD
5	A/R	SOLDER	660-0202	63/37
6	2	SH. TERM.	654-0058	T&B #RSK300 YELLOW
7	2	PAN-TY	605-1004	PLTIM-M
8	A/R	BUSS	600-9007	#24 GAUGE
9	A/R	WIRE	600-0500	#20 GAUGE BLACK

WANG LABORATORIES INC.
TEWKSBURY, MASS.

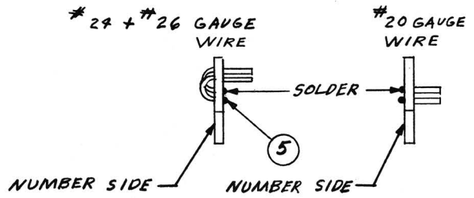
MODEL NO.	DRAWN	6/13/72	APP. CW	6-1472
1200	CHECKED		APP.	

TITLE
CABLE RIGHT TAPE DECK
W.L. 220-0081

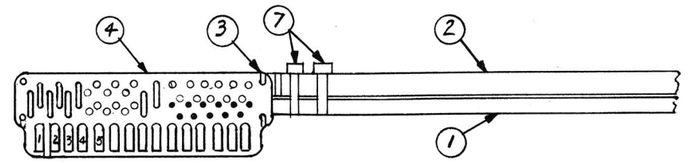
W.O. NO.	DWG. NO.	REV.
SHT 3 OF 5	C 6165-1	3

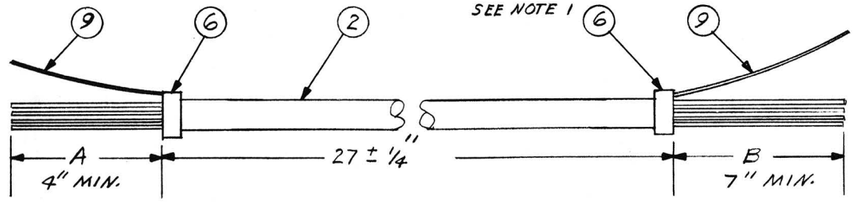
ON DWG.

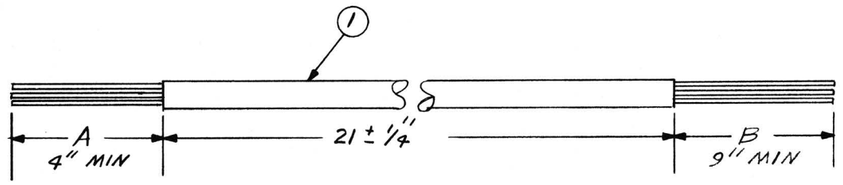
REVISIONS
REVISED PER E.C. #3094 F.S.S. 7-7-72 APP'D. RH
[illegible]
REVISED PER ECN #3432 12-15-72 APP'D. GW



TO SIGNAL SOLDER PT	WIRE LENGTH A	WIRE LENGTH B	WIRE NO. OR COLOR	FROM 5223 PIN NO.	REMARKS
LOP	3 3/8"	6 3/8"	1	1	
LTCK	3 1/8"	5 1/4"	2	2	
LDK	3"	5 1/2"	3	3	
				4	
				5	
				6	
				7	
				8	#24 BUSS TO J
+12V	2 1/8"	1 3/4"	4	9	
CH GND	1 3/4"	1 3/4"	GREEN	10	
-12VR	1 7/8"	1 1/2"	5	11	
+26VR	1 3/4"	6 1/2"	YELLOW	12	
FSL	1 5/8"	8 1/2"	BROWN	13	
RSL	1 1/2"	8 3/4"	ORANGE	14	
HIL	1 3/8"	6 1/4"	BLUE	15	
RCLo	3 1/2"	6 1/2	6	A	
DILi	3 1/4"	5 3/8"	7	B	
DILo	3 1/8"	5 3/4"	8	C	
				D	
				E	
				F	
				H	
±0V	2 1/4"	2 3/4"	SHIELD	J	#20 BLACK
+5VR	2 3/4"	2"	9 AND 10	K	
24VAC				L	#24 BUSS TO M
24VAC	2"	5 1/4"	BLACK	M	
24VAC	1 7/8"	5 1/4"	WHITE	N	
M1 XL	1 3/4"	4 3/4"	GRAY	P	
M2 XL	1 5/8"	5"	VIOLET	R	
CAPST	1 1/2"	4"	RED	S	







NOTE:
1. TO INSTALL ITEM 6 USE T&B TOOL NO. WT 640 WITH DIE NO. 6403 ADJUST TOOL TO A GAP OF .200

ITEM	QTY	NAME	W.L. PART NO.	DESCRIPTION
1	35"	CABLE	420-0038	10 COND. #22 GAUGE
2	39"	CABLE	420-0032	10 COND. #28 GALGE SHIELDED
3	A/R	LACING	605-1001	BLACK
4	1	P.C. BD.	510-5223	FINGER BOARD
5	A/R	SOLDER	660-0202	63/37
6	2	SH. TERM.	654-0058	T&B #RSK 300 YELLOW
7	2	PAN-TY	605-1004	PLTIM-M
8	A/R	BUSS	600-9007	#24 GAUGE
9	A/R	WIRE	600-0500	#20 GAUGE BLACK

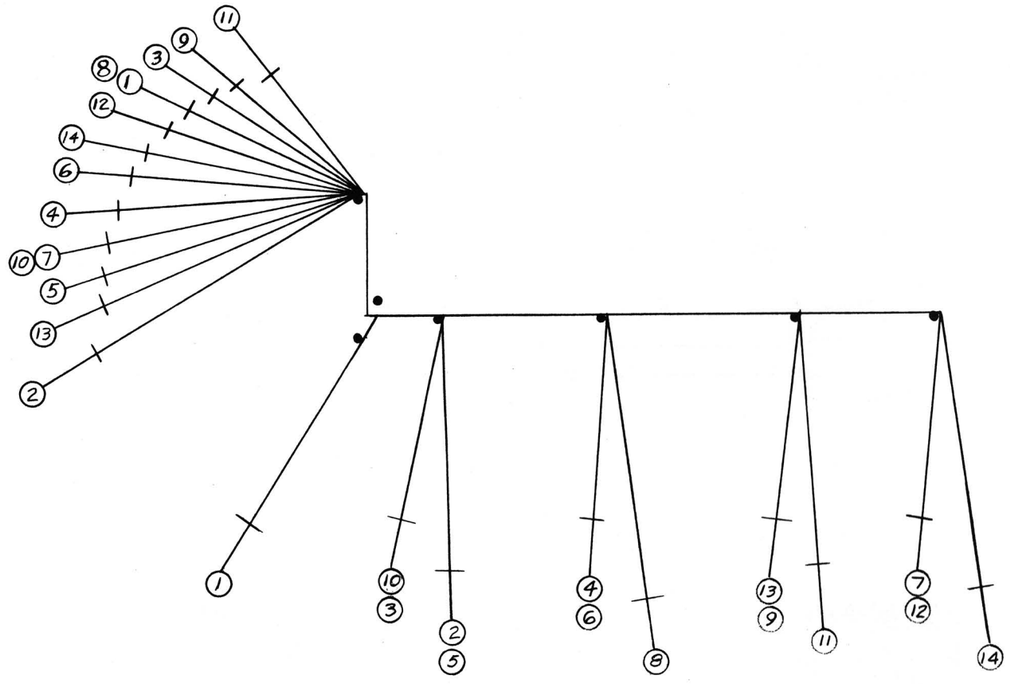
WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN		APP.	
1200	CHECKED		APP.	

TITLE
CABLE LEFT TAPE DECK
W.L. 220-0080

W.O. NO.	DWG. NO.	REV.
SHT 4 OF 5	C 6165-1	3

SIZE C



WIRE RUN LIST

WIRE	SIZE	COLOR
1	24	WHITE/BROWN
2	24	ORANGE
3	24	YELLOW
4	24	WHITE/RED
5	24	VIOLET
6	24	GRAY
7	24	WHITE/ORANGE
8	18	WHITE
9	18	RED
10	24	WHITE/YELLOW
11	24	BLUE
12	24	BROWN
13	24	WHITE/GREEN
14	24	GREEN

REV	BY	DATE	REVISIONS
1	[illegible]	6-18-72	PER ECN # 3677 RED AND WHITE WIRES WERE #20 3A APP'D SKH

IDENT	QTY	NAME	W.L. PART NO.	DESCRIPTION
	A/R	PAN-TY	605-1004	PLTIM-M
	A/R	WIRE	600-0009	#18 WHITE
	A/R	WIRE	600-0002	#18 RED
	A/R	WIRE	600-2095	#24 WHITE/GREEN
	A/R	WIRE	600-2094	#24 WHITE/YELLOW
	A/R	WIRE	600-2093	#24 WHITE/ORANGE
	A/R	WIRE	600-2092	#24 WHITE/RED
	A/R	WIRE	600-2091	#24 WHITE/BROWN
	A/R	WIRE	600-2008	#24 GRAY
	A/R	WIRE	600-2007	#24 VIOLET
	A/R	WIRE	600-2006	#24 BLUE
	A/R	WIRE	600-2005	#24 GREEN
	A/R	WIRE	600-2004	#24 YELLOW
	A/R	WIRE	600-2003	#24 ORANGE
	A/R	WIRE	600-2001	#24 BROWN

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN		APP.	
1200	DB	6/13/72	CW	6-14-72
	CHECKED		APP.	

TITLE: PANEL TRANSISTOR CABLE

W.O. NO.	DWG. NO.	REV.
SHT 5 OF 5	C 6165-1	

C ON DWG.

DO NOT SCALE

COMP.	SIZE/TYPE	WL. PART No.	QTY
R1,3,7,8,9,10,11,15,20,37,38 THRU 49	10K ¼W	330-4010	22
R2	18K 5% ¼W		1
R4,16,21,30,39	3.9K ¼W		5
R5,17,22,31,34	47Ω ¼W	330-1047	5
R6,18,23,32,35	4.7K ¼W		5
R12	33K 5% ¼W		1
R13,14,19,24,25,50	1K ¼W		6
R 26,27,28,29,36	2.2K ¼W		5
C1	47 PF	300-1047	1
C2,3,4,5,6,7,8,9,15,17,20 THRU 27	470 PF	300-1470	18
C10,11,12,13,16	560 PF		5
C14,16,19	820 PF	300-1820	3
C28,44	10-471GVPC	300-3006	2
C29 THRU 43	.02 +R	300-1904	15
D1	GERM. DIODE	380-0000	1
D2	SIL DIODE	380-1001	1

LOCATION	TYPE	WL. PART No.	TERM. No V_{CC} +5VR	TERM. No ±0V	QTY
L12,6,14,16	9930	376-0022	14	7	5
L3,9,12,23	9946	376-0023	14	7	4
L5,13,22	SN7473N	376-0005	4	11	3
L7	9963	376-0033	14	7	1
L8,11,15,17,19,20	9936	376-0026	14	7	6
L9	SN7404N	376-0010	14	7	1
L10	SN7494N	376-0064	5	12	1
L18	9935	376-0025	14	7	1
L24,25	SN74123N	376-0080	16	8	2
L21	SN7400N	376-0055	14	7	1

CONN. 1

	A 1	PRIME
+5VR	B 2	SEARCH
±0V	C 3	$\overline{\text{SEARCH}}$
	D 4	R_{0I}
	E 5	R_{1I}
	F 6	$\overline{R_{2I}}$
TA_3	H 7	$\overline{R_{3I}}$
TA_2	J 8	$\overline{T_{0I}}$
	K 9	$\overline{T_{1I}}$
TA_0	L 10	$\overline{T_{2I}}$
TB_3	M 11	$\overline{T_{3I}}$
TB_2	N 12	L/R
TB_{1R}	P 13	$\overline{TS}$
TB_1	R 14	TA_1
TB_0	S 15	

CONN. 2

BI_0	A 1	SPT
BI_1	B 2	$\overline{\text{SPT}}$
BI_2	C 3	BK SPT
CKS	D 4	$\overline{\text{BK SPT}}$
$\overline{CS}$	E 5	TABT
$\overline{ZK}$	F 6	$\overline{\text{TABT}}$
STA	H 7	CR/LFI
$\overline{SH_{T3}}$	J 8	$\overline{\text{CR/LFI}}$
CD_0	K 9	
SK	L 10	
$\overline{CH}$	M 11	MEMO
$\overline{WO}$	N 12	SHL
$\overline{PA}$	P 13	SKL
AU	R 14	CDL
	S 15	CD

CONN. 3

	A 1	CL
	B 2	
	C 3	
	D 4	
	E 5	
	F 6	
	H 7	CK_{1234}
D_{20}	J 8	
	K 9	
$\overline{LI}$	L 10	
	M 11	
	N 12	
	P 13	±0V
	R 14	+5VR
	S 15	

COMP. SIDE — WIRING SIDE

COMPONENT LAYOUT

6170

L13 L12 L11 L10 L9 L8 L7 L6 L5 L4 L3 L2 L1

L25 L24 L23 L22 L21 L20 L19 L18 L17 L16 L15 L14

S,R,P,N,M,L,K,J,H,F,E,D,C,B,A3

S,R,P,N,M,L,K,J,H,F,E,D,C,B,A2

S,R,P,N,M,L,K,J,H,F,E,D,C,B,A1

15 CAPS

REVISION	DATE	BY

WANG LABORATORIES INC.
TEWKSBURY, MASS.

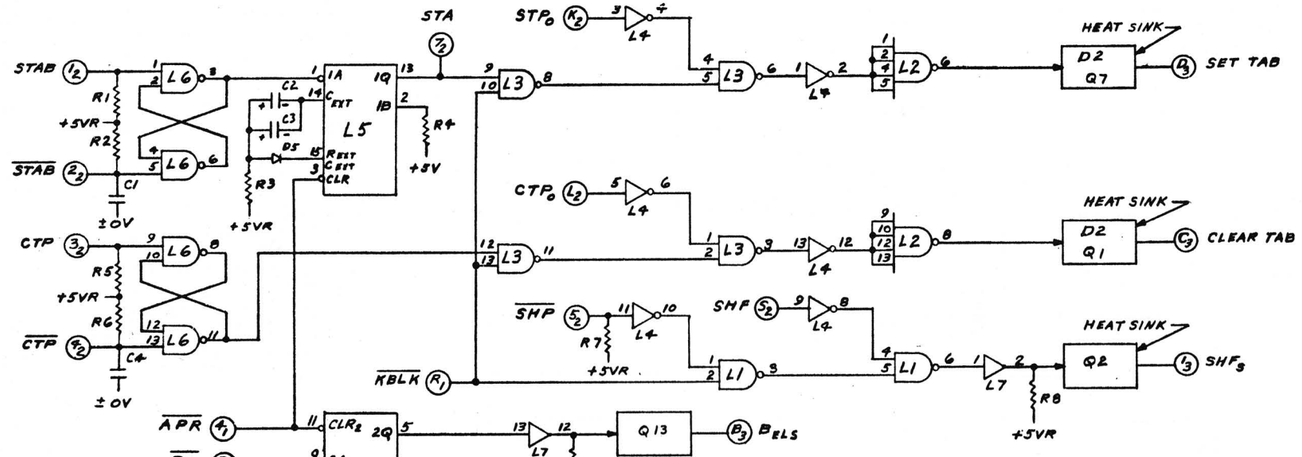
MODEL NO.	DRAWN	DATE	APP.	DATE
1200		12/14/71		3/17/72
	CHECKED		APP.	

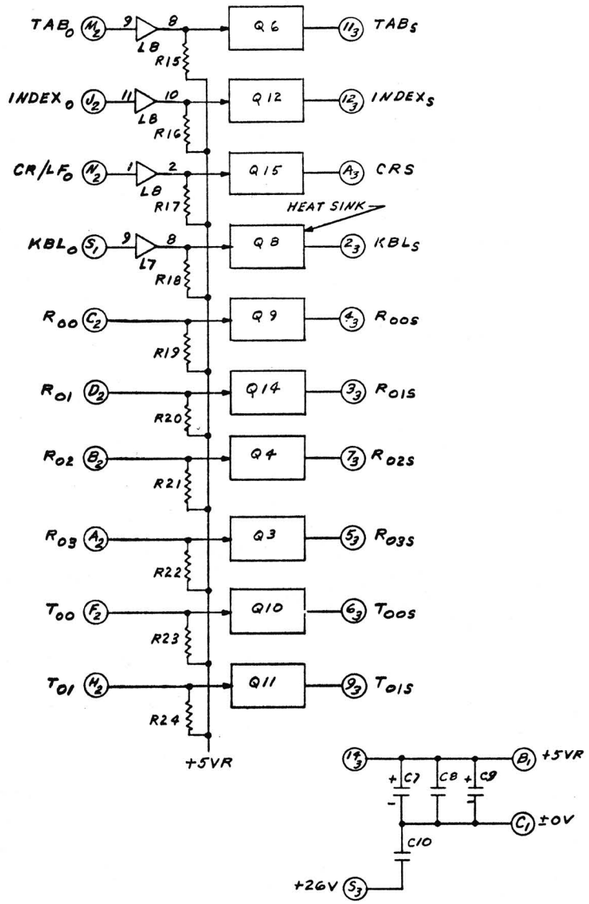
TITLE: SCHEMATIC, LOGIBLOC # 6170
TYPEWRITER INPUT

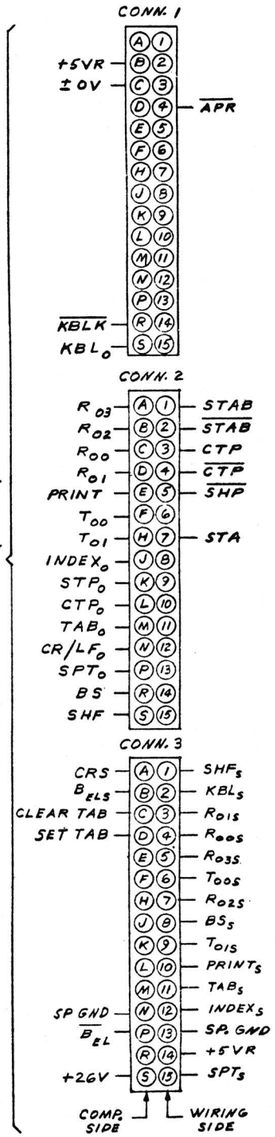
SHT OF | DWG. NO. D 6170-1 | REV

6170-1

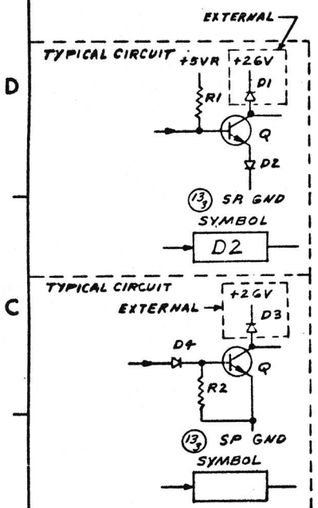
DO NOT SCALE







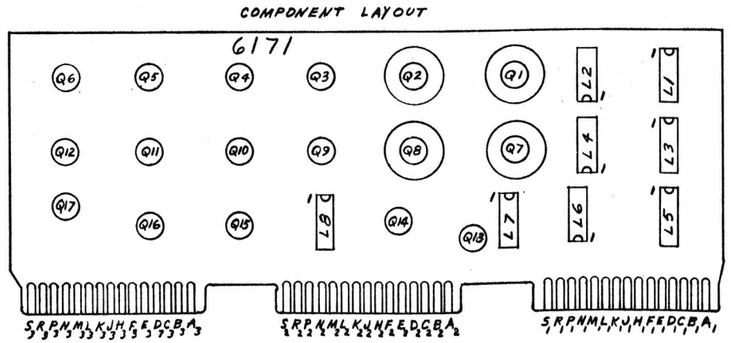
LOCATION	TYPE	W.L. PART No.	TERM. No. V_{CC} +5V	TERM. No. ±0V	QTY
L1,3,6	9946	376-0023	14	7	3
L2	MC844	376-0024	14	7	1
L4	9936	376-0026	14	7	1
L5	SN74123N	376-0080	16	8	1
L7, 8	SN7407N	376-0056	14	7	2



D2			
COMP.	SIZE/TYPE	W.L. PART No.	QTY
R1	120Ω ¼W	330-2012	2
D1	SIL DIODE	380-1004	
D2	EM403	380-4000	2
Q	2N3725	375-1027	2

COMP.	SIZE/TYPE	W.L. PART No.	QTY
R2	2.2K ¼W	330-2022	15
D3	SIL. DIODE	380-1004	
D4	SIL. DIODE	380-1001	15
Q	2N3725	375-1027	15

COMPONENT LAYOUT



COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
R1,2,4,5,6,7,10	10K ¼W	330-4010	7
R3	18K 5% ¼W	330-4019	1
R8,18, THRU 24	470Ω ¼W	330-2047	8
R11,13,14,15,16,17	390Ω ¼W	330-2039	6
R12	560Ω ¼W	330-2056	1
R9	27K 5% ¼W	330-4028	1
C1, 4	220 PF	300-1220	2
C7, 9	10 MF 16VDC	300-3006	3
C5	5.6 MF 35V TANT	300-4025	1
C2, 6	2.2 MF 5% 20V TANT	300-4023	2
C8	.02 MF	300-1904	1
C10	.0068 MF/100V	300-2068	1
C3	33 MF 5% 10V TANT	300-4019	1
D5, 6	SIL. DIODE	380-1001	2

NO	REVISION	BY	DATE
1	PER ECN 2933 D1 AND D2 NOW MOUNTED ON CHASSIS APP. 3KH	JAB	5-9-72

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	CHECKED	APP.	APP.
1200	11/10/72		3/1/72	

TITLE: SCHEMATIC LOGIBLOC # 6171
TYPEWRITER OUTPUT DRIVER

SHT OF | DWG. NO. D 6171-1 | REV. 1

D 6171-1

DO NOT SCALE

LOCATION	TYPE	WANG LAB No.	TERM. No. V_CC +5VR	TERM. No. ±0V	QTY
L1	9936	376 – 0026	14	7	1
L2,7,12,13,23,24	SN7400N	376 – 0002	14	7	6
L3,20	SN7410N	376 – 0003	14	7	2
L4,6	SN74197N	376 – 0083	14	7	2
L5	9944	376 – 0024	14	7	1
L8,9,27,28	SN7402N	376 – 0016	14	7	4
L10,21,29,30,31	SN7430N	376 – 0073	5	10	5
L14,19	SN7404N	376 – 0010	14	7	2
L15,16	SN7495N	376 – 0059	14	7	2
L17,18	SN7442N	376 – 0008	16	8	2
L22	SN7473N	376 – 0005	14	7	1
L25,26	SN7409N	376 – 0085	14	7	2
L11	9602	376 – 0104	16	8	1

COMPONENT	SIZE/TYPE	WANG PART No.	QTY
R1	1K ¼W	330 – 3010	1
R2,3,6,7,8,9	10K ¼W	330 – 4010	6
R4,5	2.2K ¼W	330 – 3022	2
C1,2	.0033 μF	300 – 1909	2
C3,10	10μF 75VDC	300 – 3006	2
C4,5,6,7 8,9	.02 μF	300 – 1904	6
D1,2,3,4	SIL DIODE	380 – 1001	4
C11	2.2 μF TANT	300 – 4027	1
C12	5.6 μF 5% TANT	300 – 4025	1
R10	12K ¼W	330 – 4012	1
R11	10K POT	336 – 1010	1
R12	15K 5% ¼W	330 – 4016	1

CONN. 1

	A 1	PRIME
+5VR	B 2	
±0V	C 3	TP_3
BI_0	D 4	
	E 5	$\overline{APR}$
	F 6	
	H 7	
$\overline{BUSY}$	J 8	
	K 9	
	L 10	
	M 11	
	N 12	
map_0	P 13	
TP_1	R 14	
KK_2	S 15	

CONN. 2

	A 1	R_{03}
	B 2	R_{02}
	C 3	R_{00}
KBN	D 4	R_{01}
	E 5	PRINT
KAN	F 6	T_{00}
	H 7	T_{01}
CK_{1234}	J 8	INDEX$_0$
	K 9	S_{TPO}
	L 10	C
	M 11	TAB$_0$
$\overline{TAS}$	N 12	CR/LF$_0$
$\overline{CRS}$	P 13	SPT$_0$
	R 14	BS
	S 15	SHF

CONN. 3

	A 1	MK_0
	B 2	
	C 3	
	D 4	
	E 5	
	F 6	
	H 7	
	J 8	
	K 9	
	L 10	
	M 11	
	N 12	
	P 13	±0V
	R 14	+5VR
	S 15	

SIGNAL-TERMINAL DESIGNATION VIEW FROM (WIRING) SIDE OF CONNECTOR

COMP. SIDE — WIRING SIDE

COMPONENT LAYOUT

6172

L10 L9 L8 L7 L6 L5 L4 L3 L2 L1
L21 L20 L19 L18 L17 L16 L15 L14 L13 L12 L11
L31 L30 L29 L28 L27 L26 L25 L24 L23 L22

S R P N M L K J H F E D C B A 3
S R P N M L K J H F E D C B A 2
S R P N M L K J H F E D C B A 1

NO.	REVISION	BY	DATE
1	PER ECN # 2837 ADDED CHIP 9602 AND CIRCUIT APP. – S.K.HO		4-6-72
2	PER ECN # 2930 DELETED D3,D4. R12 WAS 10K C11 WAS 3.3 μF APP: SKH		8-9-72
3	REVISED PER ECN W3429 APP'D SKH		12-15-72
4	INVERTER PINS 12,13 OF L14 WAS LABELED A,B,D SKH		4-16-73
5	R1 # 0073 L3 - PINS CORRECTED ADDED ATT. TO ② APP'D – SKH		4-30-73
6	REVISED PER ECN # 3719 APP'D SKH		7-27-78

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.	
1200	CHECKED	10/7/71	3/17/72

TITLE SCHEMATIC LOGIBLOC # 6172
TYPEWRITER OUTPUT CONTROL

SHT OF | DWG. NO. D 6172-1 | REV. 5

DO NOT SCALE

LOCATION	TYPE	W.L. PART No.	TERM. No. V_{cc} +5VR	TERM. No. ±0V	QTY
L1, 17, 27	709C	376-0000			3
L2,4,13,14,15,22,23,24,26	MC 9946	376-0023	14	7	9
L3,12	MC 9930	376-0022	14	7	2
L5,10,20,21,29	MC 9936	376-0026	14	7	5
L6	SN7430N	376-0031	14	7	1
L7, 11, 25	SN74123N	376-0080	16	8	3
L8, 28	SN7400N	376-0002	14	7	2
L9, L19	SN7410N	376-0003	14	7	2
L16	SP380A	376-0081	8	1	1
L18	SN7409N	376-0010	14	7	1

COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
R1	10K POT	336-1004	1
R B,10,12,13,14,18, 23,24,25,28	10K ¼W	330-4010	10
R3	330K ¼W	330-5033	1
R4,21	680Ω ¼W	330-2068	2
R5,20,26	4.7K ¼W	330-3047	3
R6,27	1MEG ¼W	330-6010	2
R 2	12K ¼W	330-4012	1
R9	27K 5% ¼W	330-4028	1
R11	18K ¼W	330-4018	1
R15	15K 5% ¼W	330-4016	1
R17	1K ¼W	330-3010	1
R19	18K 5% ¼W	330-4019	1
R22	180K ¼W	330-5018	1
R23	15K ¼W	330-4015	1
R16	12K 5% ¼W	330-4013	1
C1	1.2 MF 5%	300-4013	1
C2, 12	33 MF 5% TANT	300-4019	2
C3,14	.1 MF	300-1918	2
C4,15,17	.001 MF	300-1906	3
C5,16,18	220 PF	300-1220	3
C6,13	2.2 MF 5% TANT	300-4014	2
C7,10	470 PF	300-1470	2
C8	47 PF	300-1047	1
C9	.47 MF TANT	300-4001	1
C11	5.6 MF 5% TANT	300-4017	1
C19,30,34,36	10 MF 16VDC	300-3006	4
C20,21,22,23,24, 25,26,27,28,29, 31,32,33,35	.02 MF	300-1904	14
D1,2,3,4,5,6,7	SIL DIODE	380-1001	7
R7	8.2K ¼W	330-3082	1

CONN. 1

-12V	A 1	
+5VR	B 2	
±0V	C 3	
	D 4	+12V
$\overline{MP}$	E 5	KB_0
TA_2	F 6	MD
$\overline{TS}$	H 7	TA_3
$\overline{CS}$	J 8	
TA_1	K 9	
TA_0	L 10	
TB_2	M 11	
TB_3	N 12	
TB_{1R}	P 13	TB_1
TB_0	R 14	
CD_0	S 15	

CONN. 2

KA_1	A 1	
KA_0	B 2	
$\overline{TAS}$	C 3	
$\overline{CRS}$	D 4	
$\overline{SHT_3}$	E 5	SH
PRINT	F 6	
	H 7	
	J 8	
	K 9	KA_3
$\overline{ZK}$	L 10	
KA_2	M 11	
KB_2	N 12	
SBD	P 13	
$\overline{BUSY}$	R 14	
KB_3	S 15	

CONN. 3

SCRB	A 1	
KB_1	B 2	KR/B
$\overline{CRI}$	C 3	
$\overline{RC}$	D 4	$\overline{KBLK}$
DIN_1	E 5	$\overline{PT}$
DIN_0	F 6	PT
KBP	H 7	
MOP_{11}	J 8	KAP
BI_0	K 9	
MOP_{13}	L 10	+12V
MOP_{14}	M 11	-12V
CK_5	N 12	R/B
	P 13	±0V
	R 14	+5VR
	S 15	

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

COMP. SIDE — WIRING SIDE

COMPONENT LAYOUT 6173

REVISION	BY	DATE
1	PER ECN # 2987 R1 WAS 5K POT CONNECT PIN 11 TO3 OF L11. APP. SKH	BB 5/20/72
2	PER ECN # 3175- R1 WAS 10K APP'D SKH	BB 8-23-72

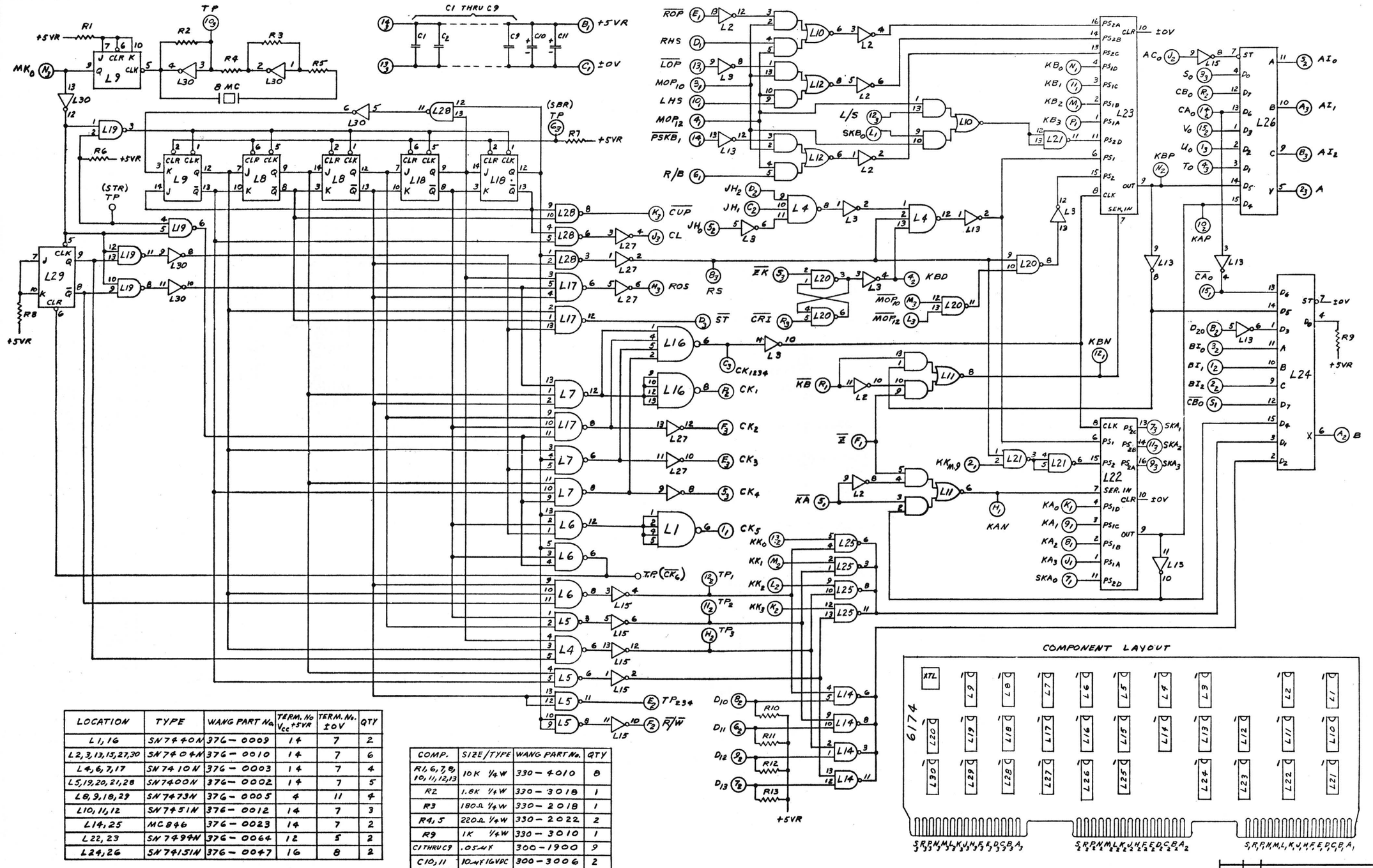
WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 1200 | DRAWN BB 7/15/72 | APP. SKH 8/17/72 | CHECKED | APP.

TITLE SCHEMATIC LOGIBLOC #6173
KA KB CODE CONVERTER

SHT OF | DWG. NO. D 6173-1 | REV. 2

DO NOT SCALE

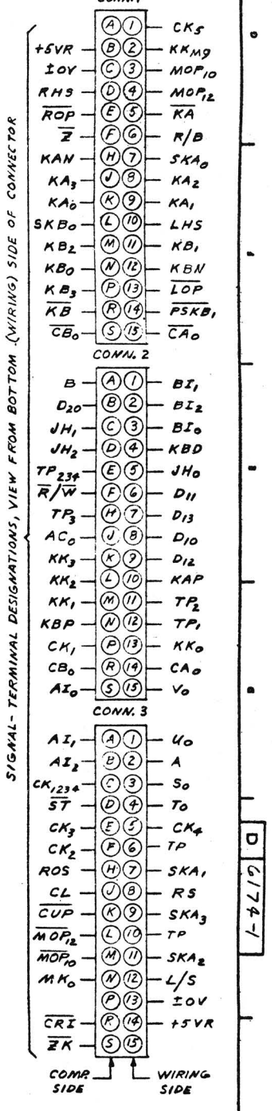


LOCATION	TYPE	WANG PART No.	TERM. No V_{CC} +5VR	TERM. No. ±0V	QTY
L1, 16	SN7440N	376-0009	14	7	2
L2, 3, 13, 15, 27, 30	SN7404N	376-0010	14	7	6
L4, 6, 7, 17	SN7410N	376-0003	14	7	4
L5, 19, 20, 21, 28	SN7400N	376-0002	14	7	5
L8, 9, 18, 29	SN7473N	376-0005	4	11	4
L10, 11, 12	SN7451N	376-0012	14	7	3
L14, 25	MC846	376-0023	14	7	2
L22, 23	SN7494N	376-0064	12	5	2
L24, 26	SN74151N	376-0047	16	8	2

COMP.	SIZE/TYPE	WANG PART No.	QTY
R1, 6, 7, 8, 10, 11, 12, 13	10K 1/4W	330-4010	8
R2	1.8K 1/4W	330-3018	1
R3	180Ω 1/4W	330-2018	1
R4, 5	220Ω 1/4W	330-2022	2
R9	1K 1/4W	330-3010	1
C1 THRU C9	.05μF	300-1900	9
C10, 11	10μF 16VDC	300-3006	2
XTAL	8MC	321-0008	1

COMPONENT LAYOUT

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



IDENT	QTY	NAME	MATERIAL	DESCRIPTION
			DR	DATE 3/2/71
		WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.	CHK	DATE
			APPD	DATE 3/17/72
		MODEL No. 1200	W.O. No.	SCALE NONE SHEET OF
		TITLE SCHEMATIC LOGIBLOC, TIMING KA KB REGISTERS 6174		
		PART NUMBER	REV	SIZE D DRAWING NUMBER 6174-1

TOL. EX. AS NOTED .XX ±.010 .XXX ±.005 ANG. ±0°30' FRAC. ±1/64 FINISH

MATERIAL

FINISH

REVISION BY DATE NO.

D 6174-1

X2

LOCATION	TYPE	WANG PART No.	TERM. No V_{cc} +5VR	TERM. No. ±0V	QTY
L16	SN7440N	376-0009	14	7	1
L2, 3, 13, 15, 27, 30	SN7404N	376-0010	14	7	6
L4, 6, 7, 17	SN7410N	376-0003	14	7	4
L5, 19, 20, 21, 28	SN7400N	376-0002	14	7	5
L8, 9, 18, 29	SN7473N	376-0005	4	11	4
L10, 11, 12	SN7451N	376-0012	14	7	3
L14, 25	MC846	376-0023	14	7	2
L22, 23	SN7499N	376-0064	12	5	2
L24, 26	SN74151N	376-0047	16	8	2
L1	SN7437N	376-0068	14	7	1

COMP.	SIZE/TYPE	WANG PART No.	QTY
R1, 6, 7 & 10-14	10K ¼W	330-4010	9
R2	1.8K ¼W	330-3018	1
R3	180Ω ¼W	330-2018	1
R4, 5	220Ω ¼W	330-2022	2
R9	1K ¼W	330-3010	1
C1 THRU C7	.05 MF	300-1900	7
C10, 11	15 MF 20VDC	300-4022	2
XTAL	8 MC	321-0009	1
C12	160 PFCAP	300-1150	1

COMPONENT LAYOUT

6174-1 R0

XTL. L20 L19 L18 L17 L16 L15 L14 L13 L12 L11 L10 L30 L29 L28 L27 L26 L25 L24 L23 L22 L21

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

COMM 1		COMM 2		COMM 3	
CK5	A1	BI1	A1	AI1	U0
KKM9	B2	BI2	B2	AI2	A
MOP10	C3	BI0	C3	CK1234	S0
MOP12	D4	KBD	D4	ST	T0
KA	E5	JH0	E5	CK3	CK4
R/B	F6	D11	F6	CK2	TP
SKA0	H7	D13	H7	ROS	SKA1
KA2	J8	D10	J8	CA	RS
KA1	K9	D12	K9	CUP	SKA3
LHS	L10	KAP	L10	MOP12	TP
KB1	M11	TP2	M11	MOP0	SKA2
KBN	N12	TP1	N12	MK0	L/S
LOP	P13	KK0	P13	±0V	
PSKB1	R14	CA0	R14	CRI	+5VR
CA0	S15	V0	S15	BK	

COMP SIDE — WIRING SIDE

REVISION	BY	DATE	APP'D
1	REVISED PER RFA 1316 AND PRA	G.D. 1-13-75	PRA
2	RFA 1435	11/14/77	

E. REV. 0

IDENT	QTY	NAME	MATERIAL	DESCRIPTION
			DR	DATE 2-3-71
			CHK	DATE 2-4-71
			APP'D	DATE 2/11/71

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

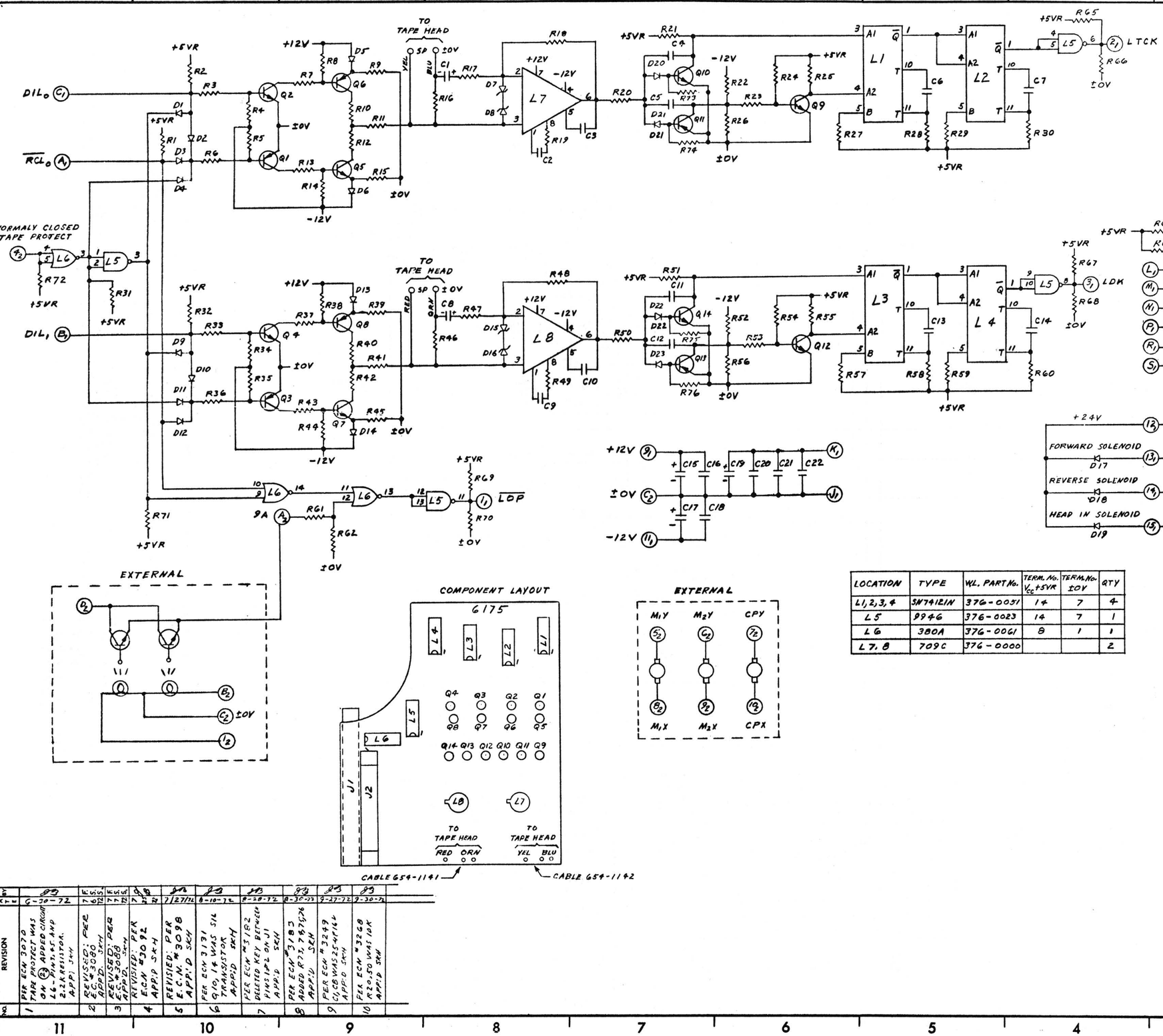
MODEL No. 1220 W.O. No. SCALE FULL SHEET OF

TITLE SCHEMATIC LOGIBLOC, TIMING KA KB REGISTERS #6174-1

210-6174-1 | 1 | D | 6174-1 | 2

PART NUMBER | REV | SIZE | DRAWING NUMBER

Sheet 4 of 6



COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
RG5,67,69	3.9K	1/4W	330-3039	3
R30, 60	39K 1/2W RN65D	330-0037	2
R5,35,66,68,70	4.7K	1/4W	330-3034	5
R1,27,29,51,58,61	1K	1/4W	330-3010	6
R2,7,13, 25,32, 37,43, 55,71	10K	1/4W	330-4010	9
R3, 6, 33, 36	6.8K	1/4W	330-3068	4
R4, 34	100K	1/4W	330-5010	2
R16,20,46,50	4.7K	1/4W	330-3047	4
R72, R8,14,31,38,44	2.2K	1/4W	330-3022	6
R73,74,75,79,9,15,26,33,45,56	22K	1/4W	330-4022	10
R10,11,12,40,41,42	1.2K	1/4W	330-3012	6
R17, 47	82Ω 2%	1/4W	333-0042	2
R18, 48	120K 2%	1/4W	333-0048	2
R19, 49	1.5K	1/4W	330-3015	2
R21, 51	15K	1/4W	330-4015	2
R22,23,52,53	12K	1/4W	330-4012	4
R24, 54	27K	1/4W	330-4027	2
R28, 58, 62	39K	1/4W	330-4039	3
R63, 64	33Ω	1/4W	330-1033	2
C1, 8	16MF 1 VDC		300-4018	2
C2, 9	390 PF		300-1390	2
C3, 10	220 PF		300-1220	2
C4,5,11,12	47 pf		300-1047	4
C6, 13	.0022 MF		300-2022	2
C7, 14	1500 PF		300-5000	2
C15, 17, 19	10 MF 16VDC		300-3006	3
C16,18,20,21,22	.02 MF		300-1904	5
D20,21, 22,23	D1,2,3,4,5,6, 9,10,11,12,13,14	SIL DIODE	380-1001	16
D17, 18, 19	SIL DIODE	380-1004	3
D7, 8, 15, 16	3.3V ZENER	380-2033	4
Q1, 3, 6, 8, 11, 13	GT544	375-1017	6
Q2, 4, 5, 7, 10, 14	2N3014	375-0017	6
Q 9, 12	SIL TRANSISTOR	375-1005	2

LOCATION	TYPE	W.L. PART No.	TERM. No. V_{CC} +5VR	TERM. No. ±0V	QTY
L1, 2, 3, 4	SN7412IN	376-0031	14	7	4
L5	9946	376-0023	14	7	1
L6	380A	376-0061	8	1	1
L7, 8	709C	376-0000			2

NO.	REVISION	BY	DATE
1	PER ECN 3070 TAPE PROTECT WAS ON (2) ADDED CIRCUIT L6-PINS #5 AND 2.2K RESISTOR. APP'D SKH	BB	6-30-72
2	REVISED: PER ECN #3088 APP'D SKH	T.E.S.	7/25/72
3	REVISED: PER ECN #3088 APP'D SKH	T.E.S.	7/25/72
4	REVISED: PER E.C.N. #3092 APP'D SKH	BB	7/27/72
5	REVISED: PER E.C.N. #3098 APP'D SKH	BB	7/27/72
6	PER ECN #3131 Q10,14 WAS SIL TRANSISTOR ADDED SKH	BB	8-10-72
7	PER ECN #3182 DELETED KEY BETWEEN PINS 1&2 ON J1 APP'D SKH	BB	8-28-72
8	PER ECN #3183 ADDED R73, 74, 75, 76 APP'D SKH	BB	8-30-72
9	PER ECN #3249 C1,C8 WAS 2.5 MF 16 V APP'D SKH	BB	9-27-72
10	PER ECN #3268 R20,50 WAS 10K APP'D SKH	BB	9-30-72

WANG LABORATORIES INC.
TEWKSBURY, MASS.

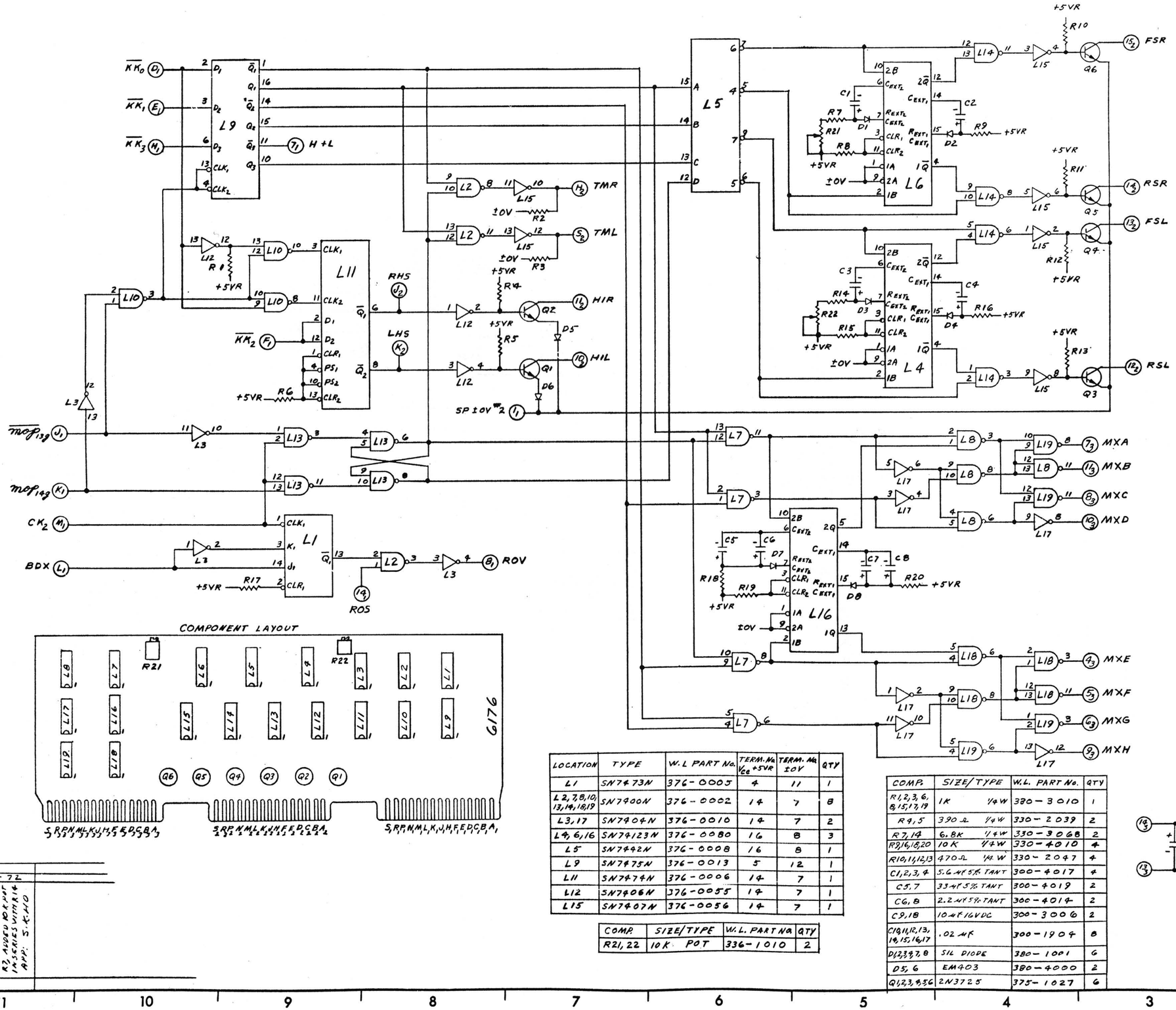
MODEL NO. 1200 | DRAWN BB 12/9/71 | CHECKED | APP'D | APP. 3/7/72

TITLE SCHEMATIC, LOGIBLOC * 6175
LEFT & RIGHT TAPE DECK

SHT OF | DWG. NO. D 6175-1 | REV. 10

D 6175-1

DO NOT SCALE



COMPONENT LAYOUT

LOCATION	TYPE	W.L PART No.	TERM. No. V_{CC} +5VR	TERM. No. ±0V	QTY
L1	SN7473N	376-0005	4	11	1
L2,7,8,10, 13,14,18,19	SN7400N	376-0002	14	7	8
L3,17	SN7404N	376-0010	14	7	2
L4,6,16	SN74123N	376-0080	16	8	3
L5	SN7442N	376-0008	16	8	1
L9	SN7475N	376-0013	5	12	1
L11	SN7474N	376-0006	14	7	1
L12	SN7406N	376-0055	14	7	1
L15	SN7407N	376-0056	14	7	1

COMP.	SIZE/TYPE	W.L. PART No.	QTY
R21, 22	10K POT	336-1010	2

COMP.	SIZE/TYPE	W.L. PART No.	QTY
R1,2,3,6, 8,15,17,19	1K 1/4W	330-3010	1
R4,5	390Ω 1/4W	330-2039	2
R7,14	6.8K 1/4W	330-3068	2
R9,16,18,20	10K 1/4W	330-4010	4
R10,11,12,13	470Ω 1/4W	330-2047	4
C1,2,3,4	5.6MF 5% TANT	300-4017	4
C5,7	33MF 5% TANT	300-4019	2
C6,8	2.2MF 5% TANT	300-4014	2
C9,18	10MF 16VDC	300-3006	2
C10,11,12,13, 14,15,16,17	.02 MF	300-1904	8
D1,2,3,4,7,8	SIL DIODE	380-1001	6
D5,6	EM403	380-4000	2
Q1,2,3,4,5,6	2N3725	375-1027	6

CONN. 1

A 1		SP ±0V #2
+5VR B 2		
±0V C 3		
KK0 D 4		
KK1 E 5		
KK2 F 6		
KK3 H 7		H+L
mop13g J 8		ROV
mop14g K 9		
BDX L 10		
CK2 M 11		
N 12		
P 13		
R 14		ROS
S 15		

CONN. 2

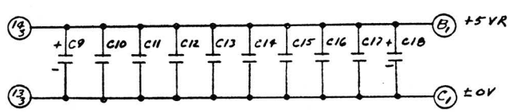
A 1		
B 2		
C 3		
D 4		
E 5		
F 6		
TMR H 7		HIL
RHS J 8		HIR
LHS K 9		RSL
L 10		FSL
M 11		RSR
N 12		FSR
P 13		
R 14		
TML S 15		

CONN. 3

A 1	
B 2	
C 3	
D 4	MXE
E 5	MXF
F 6	MXG
H 7	MXA
J 8	MXC
K 9	MXH
L 10	MXD
M 11	MXB
N 12	
P 13	±0V
R 14	+5VR
S 15	

COMP. SIDE — WIRING SIDE

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



REV	REVISION	BY	DATE
1	PER ECN #2864 R7 AND R14 WAS 10K. ADDED 10K POT IN SERIES WITH R2. AVOID ROUT PUT IN SERIES WITH R14 APP'D: S.K.H.O	DB	4-11-72

WANG LABORATORIES INC.
TEWKSBURY, MASS.

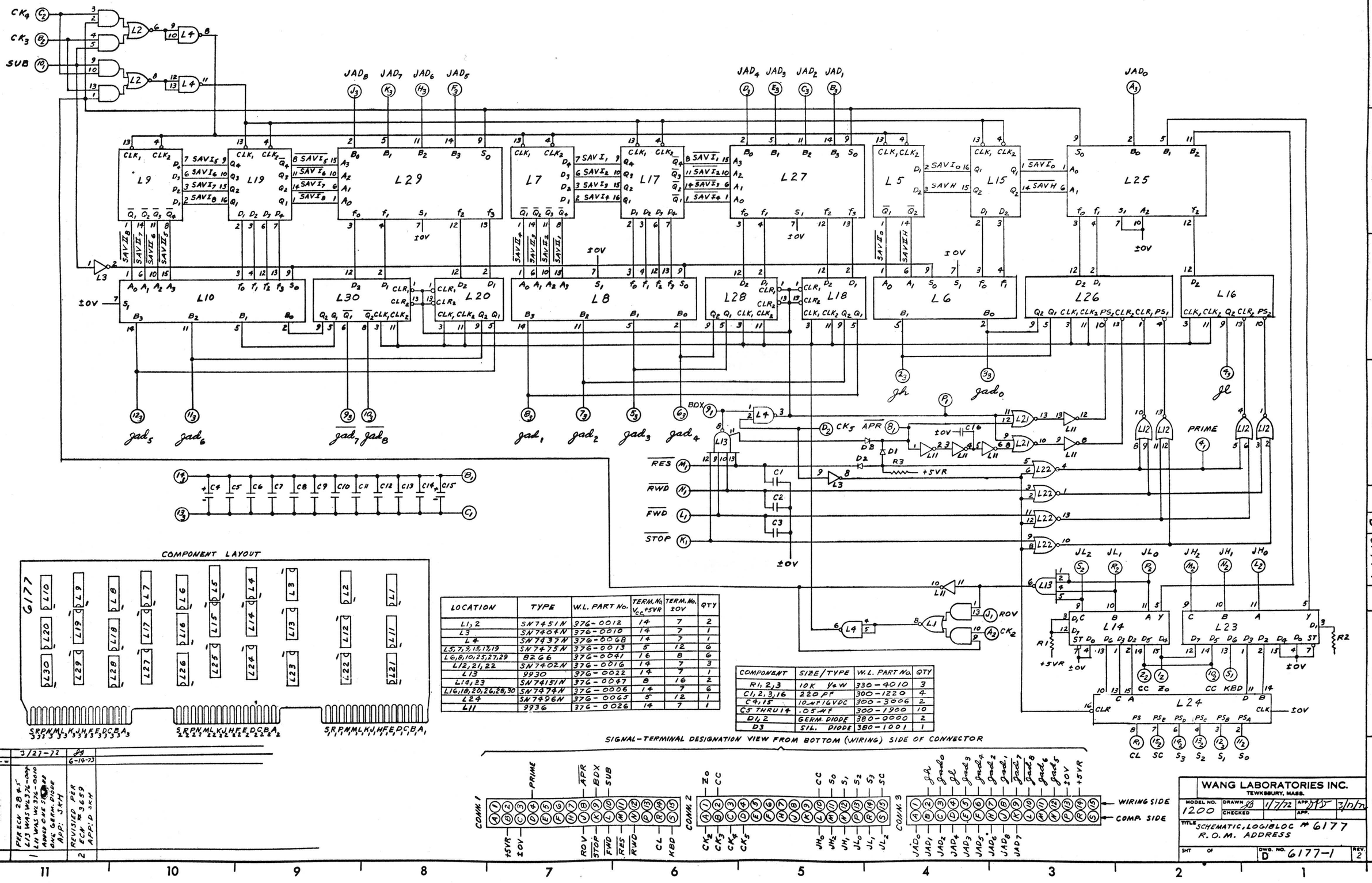
MODEL NO.	DRAWN	APP.	CHECKED	APP.
1200	2/16/71	3/17/72		

TITLE: SCHEMATIC LOGIBLOC #6176
TAPE OUTPUT AND MODE M CONTROL

SHT OF — DWG. NO. D 6176-1 — REV 1

X2

DO NOT SCALE



COMPONENT LAYOUT

LOCATION	TYPE	W.L. PART No.	TERM. No. V_{CC} +5VR	TERM. No. ±0V	QTY
L1, 2	SN7451N	376-0012	14	7	2
L3	SN7404N	376-0010	14	7	1
L4	SN7437N	376-0068	14	7	1
L5, 7, 9, 15, 17, 19	SN7475N	376-0013	5	12	6
L6, 8, 10, 25, 27, 29	8266	376-0041	16	8	6
L12, 21, 22	SN7402N	376-0016	14	7	3
L13	9930	376-0022	14	7	1
L14, 23	SN74151N	376-0047	8	16	2
L16, 18, 20, 26, 28, 30	SN7474N	376-0006	14	7	6
L24	SN7496N	376-0065	5	12	1
L11	9936	376-0026	14	7	1

COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
R1, 2, 3	10K Y&W	330-4010	3
C1, 2, 3, 16	220 pf	300-1220	4
C4, 15	10 mf 16 VDC	300-3006	2
C5 THRU 14	.05 mf	300-1900	10
D1, 2	GERM. DIODE	380-0000	2
D3	SIL. DIODE	380-1001	1

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

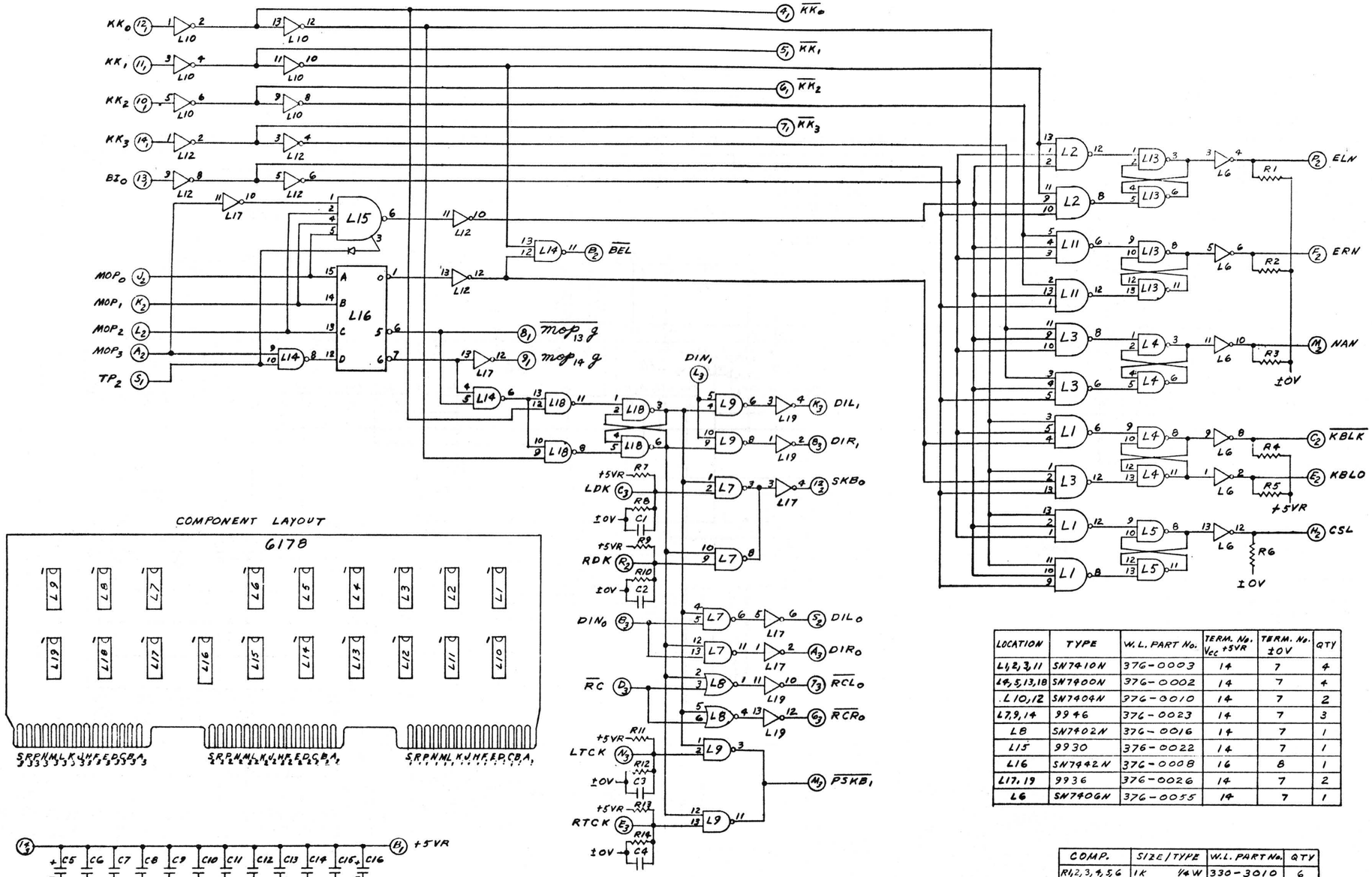
NO	REVISION	BY	DATE
1	PER ECN 2845 L13 WAS W.L. 376-0010 L11 WAS W.L. 376-0010 ADDED CAP. STRAP AND GERM. DIODE APP: SKH	JS	3/27-72
2	REVISED PER ECN # 3659 APP: D SKH	JS	6-14-73

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.	
1200	CHECKED	APP.	

TITLE SCHEMATIC, LOGIBLOC # 6177 R.O.M. ADDRESS

SHT OF | DWG. NO. D 6177-1 | REV. 2



COMPONENT LAYOUT

6178

LOCATION	TYPE	W.L. PART No.	TERM. No. V_{cc} +5VR	TERM. No. ±0V	QTY
L1,2,3,11	SN7410N	376-0003	14	7	4
L4,5,13,18	SN7400N	376-0002	14	7	4
L10,12	SN7404N	376-0010	14	7	2
L7,9,14	9946	376-0023	14	7	3
L8	SN7402N	376-0016	14	7	1
L15	9930	376-0022	14	7	1
L16	SN7442N	376-0008	16	8	1
L17,19	9936	376-0026	14	7	2
L6	SN7406N	376-0055	14	7	1

COMP.	SIZE/TYPE	W.L. PART No.	QTY
R1,2,3,4,5,6	1K 1/4W	330-3010	6
R7,9,11,13	3.9K 1/4W	330-3039	4
R8,10,12,14	47K 1/4W	330-4047	4
C1,2,3,4	47 Pf	330-1047	4
C5,16	10.4K 16 VDC	300-3006	2
C6,7,8,9,10,11,12,13,14,15	.02 4K	300-1904	10

CONN. 1

+5VR	A 1	
±0V	B 2	
	C 3	
	D 4	$\overline{KK_0}$
	E 5	$\overline{KK_1}$
	F 6	$\overline{KK_2}$
	H 7	$\overline{KK_3}$
	J 8	$\overline{mop_{13}g}$
	K 9	$mop_{14}g$
	L 10	KK_2
	M 11	KK_1
	N 12	KK_0
	P 13	BI_0
TP_2	R 14	KK_3
	S 15	

CONN. 2

MOP_3	A 1	
$\overline{BEL}$	B 2	
$\overline{KBLK}$	C 3	
	D 4	
KBLO	E 5	
ERN	F 6	
CSL	H 7	
MOP_0	J 8	
MOP_1	K 9	
MOP_2	L 10	
NAN	M 11	
	N 12	SKB0
ELN	P 13	
RDK	R 14	
DIL_0	S 15	

CONN. 3

DIR_0	A 1	
DIN_0	B 2	
LDK	C 3	
$\overline{RC}$	D 4	
RTCK	E 5	
	F 6	$\overline{RCR_0}$
	H 7	$\overline{RCL_0}$
	J 8	DIR_1
DIL_1	K 9	
DIN_1	L 10	
$\overline{PSKB_1}$	M 11	
LTCK	N 12	
	P 13	±0V
	R 14	+5VR
	S 15	

COMP. SIDE — WIRING SIDE

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

DO NOT SCALE

REVISION	DATE	BY
NO		

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	CHECKED	APP.	APP.
1200	11/16/71		DPJ	3/10/72

TITLE: SCHEMATIC LOGIBLOC # 6178
TAPE INPUT CONTROL

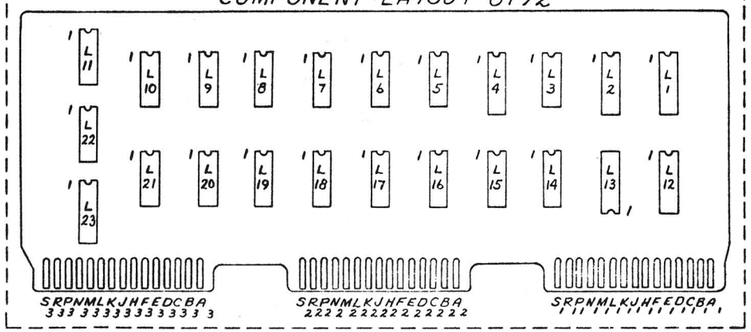
SHT OF | DWG. NO. D 6178-1 | REV.

D 6178-1

X2

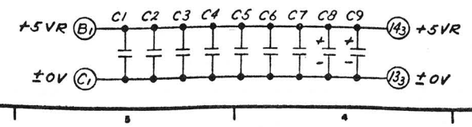
DO NOT SCALE

COMPONENT LAYOUT 6192

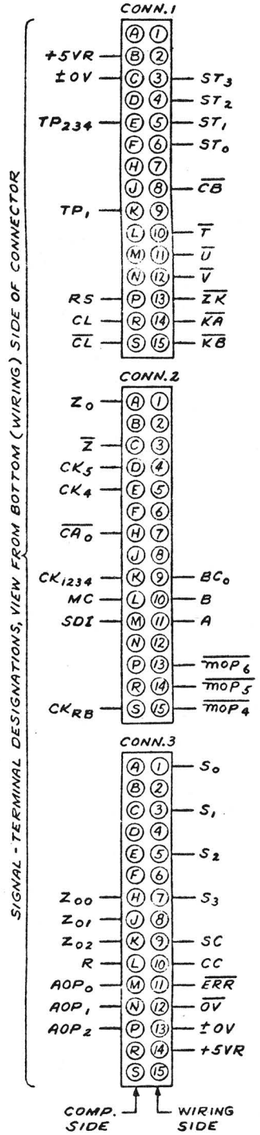


I.C. LOCATION	TYPE	W.L.NO.	TERM FOR ±0V	TERM FOR VCC +5VR	QTY.
L11,16,17,21	SN7400N	376-0002	7	14	4
L19	SN7401N	376-0015	7	14	1
L8	SN7402N	376-0016	7	14	1
L9,10,14	SN7404N	376-0010	7	14	3
L22	SN7410N	376-0003	7	14	1
L6	SN7420N	376-0004	7	14	1
L13,23	SN7442N	376-0008	8	16	2
L1,12	SN74145	376-0069	8	16	2
L5	SN7451N	376-0012	7	14	1
L7	SN7453N	376-0057	7	14	1
L20	SN7474N	376-0006	7	14	1
L2,4	SN7476N	376-0007	13	5	2
L18	SN7486N	376-0036	7	14	1
L15	F9935	376-0025	7	14	1
L3	F9946	376-0023	7	14	1

COMPONENT	TYPE & SIZE	W.L.NO.	QTY.
R1,2,3,4,5	1K 1/4 W	330-3010	5
R6	680Ω 1/4 W	330-2068	1
R7	2.2K 1/4 W	330-3022	1
R8	10K 1/4 W	330-4010	1
C1,2,3,4,5,6,7	.05μf 12V CER.	300-1900	7
C8,9	10μf 15V ELECT.	300-3006	2



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



IDENT	QTY	NAME	MATERIAL	DESCRIPTION

TOL. IX. AS NOTED .XX ±.010 .XXX ±.005 FINISH ANG. ±0°30' FRAC. ±1/64

MATERIAL

FINISH

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

DR F.S.S. DATE 2-16-72

CHK DATE

APPD DATE 3/17/72

MODEL No. 1200 W.O. No. SCALE SHEET OF

TITLE SCHEMATIC LOGIBLOC #6192-1 ALU

PART NUMBER | REV | SIZE D | DRAWING NUMBER 6192-1

BY	DATE	REVISION	NO.

DO NOT SCALE

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5VR	QTY.
L9	SN7402N	376-0016	7	14	1
L3,5,7,8,16	SN7404N	376-0010	7	14	5
L10,19	SN7410N	376-0003	7	14	2
L18,20	SN7442N	376-0008	8	16	2
L1,17	SN7451N	376-0012	7	14	2
L2,4,6	SN7495N	376-0059	7	14	3
L11,12,13,14,15	F9946	376-0023	7	14	5

NOTE:
ALL RESISTORS ARE 1/4 W UNLESS OTHERWISE SPECIFIED.

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

CONN.1
- R/W/M — A1
- +5VR — B2
- ±0V — C3
- R/W — D4
- MAT0 — E5
- MAT1 — F6
- MAT2 — H7
- MAU0 — J8
- MAU1 — K9
- MAU2 — L10
- MAU3 — M11
- MAV0 — N12
- MAV1 — P13
- MAV2 — R14
- MAV3 — S15

CONN.2
- Z — C3
- CK1234 — K11
- MOP12 — N12
- KK0 — A1
- KK1 — B2
- KK2 — C3
- KK3 — D4
- V0 — E5
- U0 — F6
- T0 — H7

CONN.3
- RWC — A1
- MOP7 — B2
- MOP14 — C3
- MOP13 — D4
- MOP11 — E5
- MOP10 — F6
- MOP8 — J8
- W — M11
- MOP0 — N12
- MOP1 — P13
- MOP2 — R14
- MOP3 — S15
- MOP15 — A1
- MOP14 — B2
- MOP11 — C3
- MOP13 — D4
- MOP8 — E5
- MOP10 — F6
- MOP9 — H7
- MOP7 — J8
- MOP3 — K9
- MOP2 — L10
- MOP1 — M11
- MOP0 — N12
- ±0V — P13
- +5VR — R14

COMP. SIDE / WIRING SIDE

+5VR B1 — 10/15V — .05 μf (9) — 14 +5VR
±0V C1 — 13 ±0V

COMPONENT LAYOUT 6195

L10 L9 L8 L7 L6 L5 L4 L3 L2 L1
L20 L19 L18 L17 L16 L15 L14 L13 L12 L11

SRPNMLKJHFEDCBA
3333333333333333
2222222222222222
1111111111111111

REV	BY	DATE
NO.	REVISION	

IDENT	QTY	NAME	MATERIAL	DESCRIPTION
			DR F.S.S.	DATE 1-5-72
			CHK	DATE
			APPD RSD	DATE 1-6-72

TOL. EX. AS NOTED: .XX ±.010, ANG. ±0°30', .XXX ±.003, FRAC. ±1/64, FINISH:

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

MODEL No. 520/600 | W.O. No. | SCALE | SHEET OF

TITLE SCHEMATIC LOGIBLOC # 6195-1
R.A.M. ADDRESS

PART NUMBER	REV	SIZE	DRAWING NUMBER
		D	6195-1

1-5619

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HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL.
	.0135 to .125	± .002
	.126 to .250	± .003
	.251 to .500	± .005

IDENT.	DESCRIPTION	QTY
A		

SIGNAL TERMINAL DESIGNATIONS, VIEW FROM BOTTOM WIRING SIDE OF CONNECTOR

COMPONENT	W.L. PART No.
R1,6,11,12,13,14,35,37	330-9010
R5,15	330-2022
R3,16,18,20,23, 25,26,33,34,36	330-3010
R5	330-4012
R6	336-1010
R7	330-4016
R9,10	330-3022
R17,18,21,22	330-4034
R 23,24,25,29,31,32	330-2056
R24	332-1082
J1	220-0114
PRD FOR J1	376-3008
C1, 6,22,36	300-1103
C2	300-4014
C3	300-4025
C9,5	300-2033
C7	300-1904
C8,9,10,13,14	300-5004
C11	300-1913
C12,16	340-5005
C17	300-1150
C18,35	300-4022
C19-21,23-34	300-1900
D1,2,7	380-0000
D3,4,8	380-1001
D5	380-2047
D6	380-2051
J2	654-1172
RB	330-2082

LOCATION	W.L. PART No.	5ov	+5VR
L1,	376-0055	7	14
L2,7,14,17,26,28, 34,43,44,47,48	376-0001	7	14
L3	376-0139	7	14
L5	376-0005	11	4
L6,33	376-0083	7	14
L8,9,24,35,48	376-0073	10	5
L10,21,30,46,50	376-0016	7	14
L15,20,40,138	376-0010	7	14
L12,13,23, 37,39,45	376-0081	7	14
L19,93,51	376-0104	8	16
L15,32,34,41	376-0003	7	14
L11	376-0026	7	14
L19	376-0028	7	14
L24,38	376-0059	7	14
L25	377-0002	14	12
L27,40	376-0081	8	16
L29	376-0025	7	14
L34,45 130,27A	376-0008	8	16
L44	376-0011	10	5
L52	376-0006	7	14
L53	376-0056	7	14
L13C	376-0031	7	14
L55 46A	376-0093	7	14
L54	376-0022	7	14
L25, SOCKET	376-9003		
C15	300-1670		

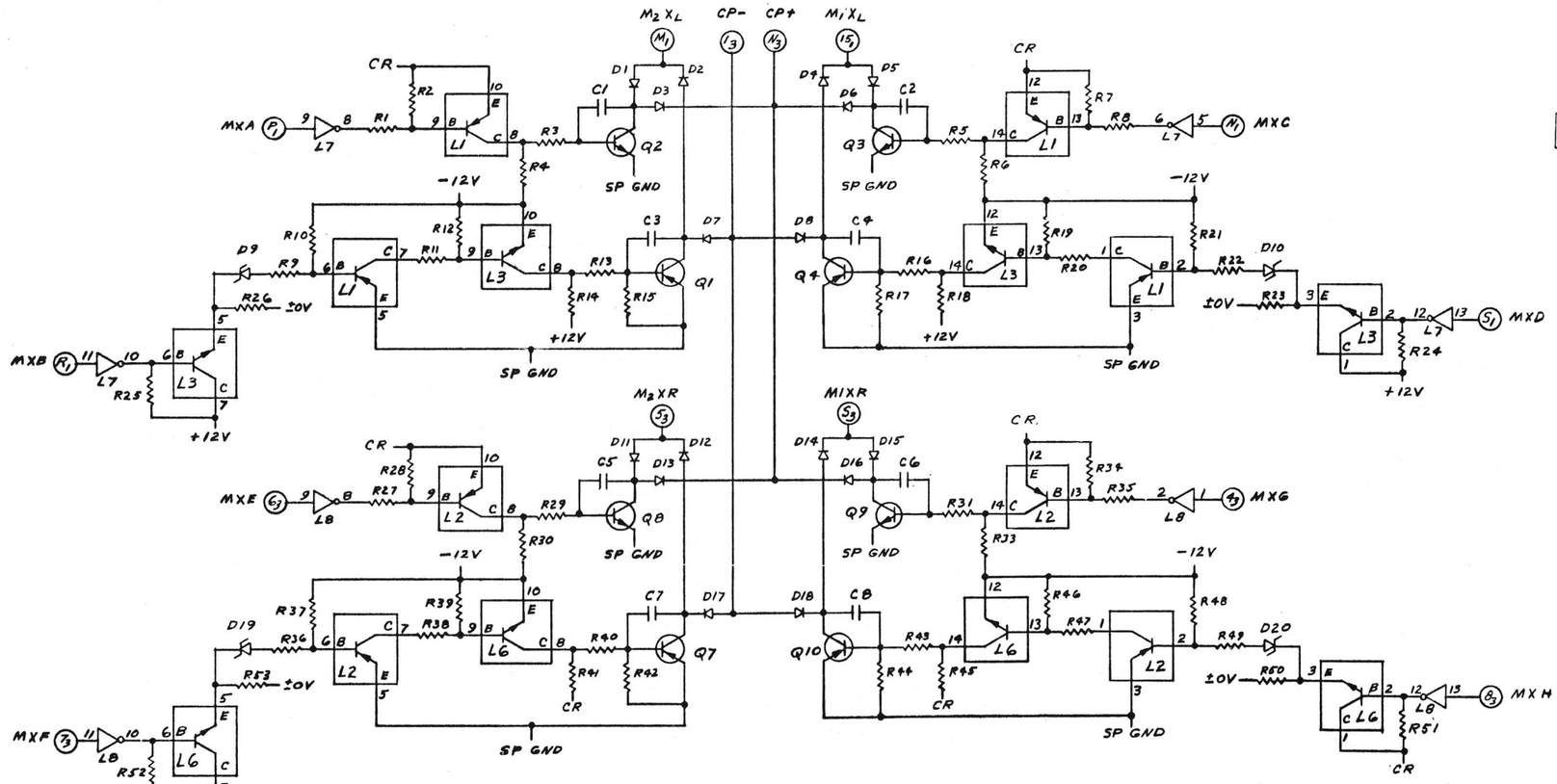
COMPONENT LAYOUT

6220 R1

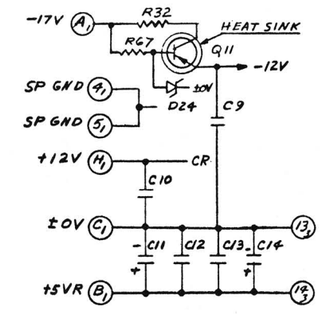
REVISED PER ECO 4202	3-27-74	PAD	3-29-74	4-10-74	4-15-74	4-17-74
REVISED PER ECO 4202	3-27-74	PAD	3-29-74	4-10-74	4-15-74	4-17-74

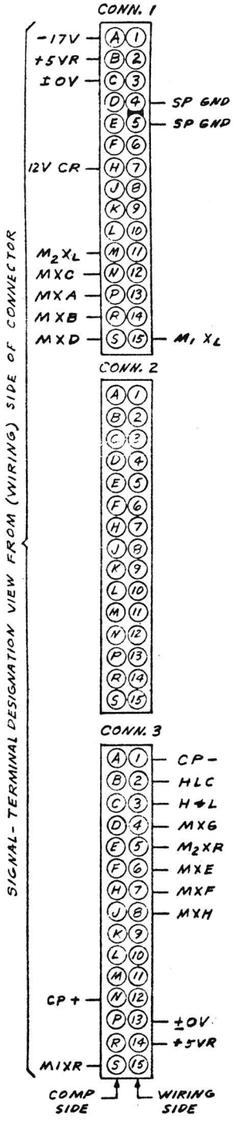
QTY	NAME	MATERIAL	DESCRIPTION
	WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
		DWN P.S.	7/5/74 E ENGR
		CHK	M ENGR
MATERIAL	MODEL NO 1220 P/O	E C CONTROL	MFG ENGR
FINISH	SEE ENGRG SPECIFICATIONS No.	TITLE SCHEMATIC DIAGRAM, TYPEWRITER OUTPUT TIMING AND PAPER TAPE PUNCH CONTROL	
	TOL. EX AS NOTED .XX ± .010 .XXX ± .005 ANG. ± 1/2°	210-6220	E 6220 2
	SCALE	SHT 4 OF 5	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV.

DO NOT SCALE

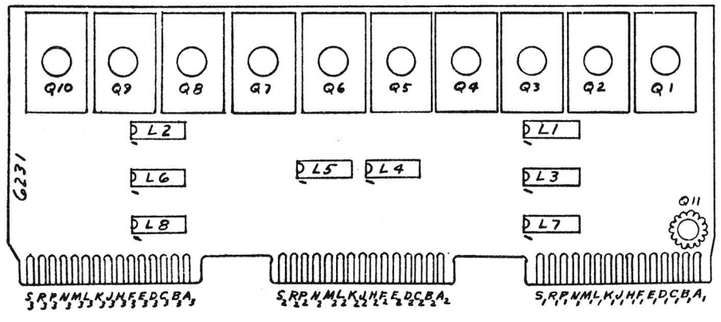


COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
R1,8,15,17,27,35, 42,49,51,59	1K ¼W	330-3010	10
R2,7,23,24,25,26,28,39, 50,51,52,53,56,65,66	2.2K ¼W	330-3022	15
R3,5,29,31,54	100Ω 2W	337-2010	5
R4,6,12,19,30, 33,39,46,55,61	47K ¼W	330-4047	10
R9,22,36,43,64	3.3K ¼W	330-3033	5
R10,14,18,21,37, 41,45,48,60,63	10K ¼W	330-4010	10
R11,20,38,42,62	1.2K ¼W	330-3012	5
R13,16,40,43,58	150Ω 1W	332-2015	5
R32	33Ω 1W	332-1033	1
RG7	150Ω ¼W	330-2015	1
C1,2,3,4,5,6,7,8	.1μF MYLAR	300-2210	8
C9,10,12,13	.02μF	300-1904	4
C11,14	10μF 16VDC	300-3006	2
D1,2,3,4,5,6,7,8, 11,12,13,14,15,16,17, 18,21,22	EM403	380-4000	18
D9,10,19,20,23	ZENER 5.6V	380-2056	5
D24	ZENER 12V	380-2121	1
Q1,4,5,7,10	2N5954	375-1032	5
Q2,3,6,8,9	2N4050V1	375-1028	5
Q11	2N4234	375-1024	1





COMPONENT LAYOUT



LOCATION	TYPE	W.L. PART No.	TERM. No. V_{CC} +5VR	TERM. No. ±0V	QTY
L1, 2, 4	FPQ3468				3
L3, 5, 6	FPQ3725				3
L7, 8	SN7406N	376-0055	14	7	2

NO	REVISION	BY	DATE
1	REVISED PER REQUEST APP'D	[illegible]	8-26-72

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN		APP.	
1200	CHECKED		APP.	

TITLE: SCHEMATIC LOGIBLOC #6231 TAPE MOTOR CONTROL

SHT OF | DWG. NO. D 6231-1 | REV. 1

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DO NOT SCALE

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL
	.0135 to .125	±.002
	.126 to .250	±.003
	.251 to .500	±.005

IDENT	DESCRIPTION	QTY
A		

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

CONN.1: +17V, +5V, ±0V, SMC, KAN, -17V, CK5

CONN.2: KK2, KBN, ATTN, KK1, KK0, ATTN, STOP, RS, SKA2, MOP15, ADJ, KKM9, ORG, SKA0, SKA1, BS, BS0, SKA3

CONN.3: CK1,2,3,4, SKA3, MOP15, ±0V, +5V, SKA1, SKA0

WIRING SIDE

COMP SIDE

J1 (CARRIER): LCB, LCA

J1 (SEND): SEND, CH. GND., +4.3V, ±0V, CARRIER; S LAMP, C LAMP

J2: 1 BB - RECEIVED DATA; 2 SB - SUPERVISORY RECEIVED DATA; 3 CC - DATA SET READY; 4 CB - CLEAR TO SEND; 5; 6; 7 AB - SIGNAL GROUND; 8 CF - CARRIER DETECTOR; 9; 10 SA - SUPERVISORY TRANSMITTED DATA; 11 BA - TRANSMITTER DATA; 12; 13; 14; 15 CA - REQUEST TO SEND; 16 CD - DATA TERMINAL READY

J1: 1 LCB; 2 A300; 3 A1200; 4 A600; 5 A135; 6 PRINT; 7 ±0V; 8; 9 SEND; 10 CARRIER; 11 +4.3V; 12 +5V; 13; 14 LCA

135 BAUD - X = 464.4Ω
300 BAUD - X = 206.3Ω
600 BAUD - X = 104.16Ω
1200 BAUD - X = 52.04Ω

1. REMOVE JUMPER WHEN TWO STOP BITS ARE USED.

NOTES

REVISION	BY	DATE	CHK
A	FOR ECN-3863	11-8-73	
B	ADDED DC		
C	ADDED D3		
D	REVISED PER ECN-3886	4-1-74	
E	ADDED D4		
F	REVISED PER ECN-4168	6-6-74	
G	REVISED PER RPA 0855	7-1-74	
H	REVISED PER ECN-4454	8-1-74	
J	REVISED PER ECO 4252	8-5-74	

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1,3	220Ω ¼W	330-2022	2
R2	180Ω ¼W	330-2018	1
R4	1.8K ¼W	330-3018	1
R5,6,9,10,11, 19,21,22,27, 35,36	1K ¼W	330-3010	11
R7,13-17,34	4.7K ¼W	330-3047	7
R8,12	2.2K ¼W	330-3022	2
R20,23, 24,25,28,31, 32,33	10K ¼W	330-4010	8
R26,29	82Ω 1W	332-1082	2
R30	100Ω 1W	332-2010	1
C1,2	47pf	300-1047	2
C3-8	.014f	300-1903	6
C9	33uf 35V, TANT	300-4029	1
C10,14,15,17	220pf	300-1220	4
C11-13,18-30	.05uf	300-1900	16
C16	560pf	300-1560	1
C31,32	15uf 20V, TANT	300-4022	2
D1,D5	IN4742, 12VZ	380-2121	2
D3	IN751A, 5.1VZ	380-2051	1
D2	IN750A, 4.7VZ	380-2047	1
D4	30V. SIL	380-10019B	1
14 PIN	TELE. COMM. CABLE	220-0114	1
	24 PIN SOCKET	376-9003	1
	40 PIN SOCKET	376-9011	1
6237	P.C. BOARD	5106237	1
XTAL	AMC OSCIL.	321-0009	1
---	1762 CLR. LAMP	370-0002	2
D6	DIODE SIL	380-1004	1
R18	12K ¼W	330-4012	1

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
16 PIN SOCKET	CAMBION	376-9005	1
I.C. PAD	16 PIN	376-9006	1

LOCATION	TYPE	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. +5V	QTY
L1,27	SN74153N	376-0048	8	16	2
L2,14	SN7408N	376-0081	7	14	2
L3,16	SN7495N	376-0059	14	7	2
L4,13,17	SN74157N	376-0082	8	16	3
L5,25	9946	376-0023	7	14	2
L6,9,36	SN7404N	376-0010	7	14	3
L7,22	SN75150N	376-0076	12	24	2
L8,18,20,31	SN7400N	376-0002	7	14	4
L10,12,23,32	SN74193N	376-0053	8	16	4
L11	SN7406N	376-0055	7	14	1
L15	1702 INTEL	377-0009	14	12	1
L19	9314	376-0108	8	16	1
L21	SN74121N	376-0051	7	14	1
L24	9936	376-0026	7	14	1
L26	SN7453N	376-0057	7	14	1
L28	1402A	377-0071	3	1	1
L29,30	SN7442N	376-0008	8	16	2
L33,34	SN7493N	376-0011	10	5	2
L35	SN74107N	376-0003	7	14	1
L37	SN75154N	376-0077	8	15/16	1

COMPONENT LAYOUT

WANG PART NO	ITEM	QTY	NAME
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.
MATERIAL			MODEL NO. 1200
FINISH			TOL EX. AS NOTED .XX ± .015 .XXX ± 1/64 ANG. ± .005 ANG. ± 1° 30'

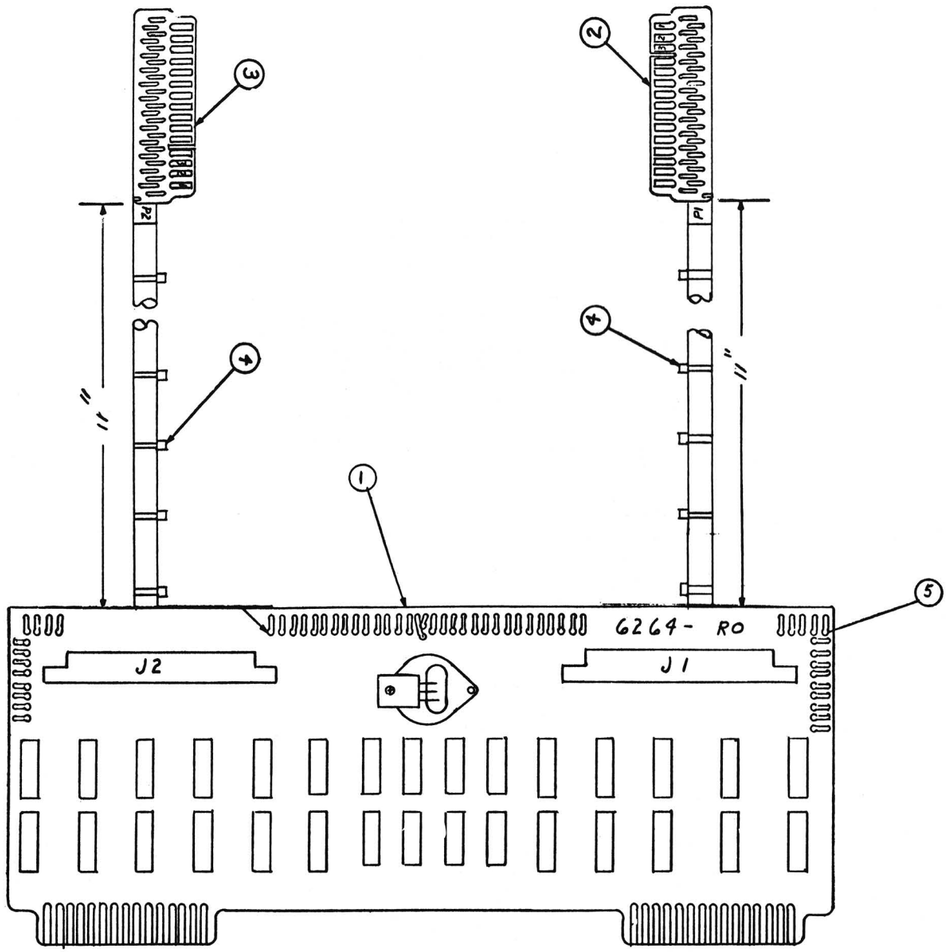
MATERIAL	DESCRIPTION
BY	DATE
DWN	7-27-73
CHK	
E C CONTROL	
APPROVED BY	DATE
E NGR	
M ENGR	
MFG ENGR	

TITLE: SCHEMATIC LOGIBLOC # 6237 COMMUNICATION BOARD

SCALE | SHT | OF | WANG PART NUMBER | SIZE: E | DRAWING NUMBER: 6237-1 | REV: 6

L. REV. 4

DO NOT SCALE



660-0201	5	A/R	SOLDER		63-37 ALLOY
605-1006	4	A/R	CABLE TYE		
220-0112	3	1	DUAL R.O.M. P2 CONN. CABLE		DWG. C6406-177
220-0111	2	1	DUAL R.O.M. P1 CONN. CABLE		DWG. C6406-176
210-6264	1	1	DUAL R.O.M. CONTROL		DWG E6264-1
WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION

Qty. Per Unit	FIRST USED ON	ASSY USED ON

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

MODEL NO. 1200

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125

SCALE | SHT 2 OF 2

BY	DATE	APPROVED BY	DATE
DWN	8/24/73	E ENGR	9/4/73
CHK		M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE P1 & P2 CABLE ASSEMBLY

WANG PART NUMBER | D | 6264-1 | 1 | SIZE | DRAWING NUMBER | REV.

NO.	REVISION	DATE	BY
1	Revised P/N ECN #7932 APP: D.S.W.B.	11-6-73	PB

D 6264-1

A B

4 3 2 1

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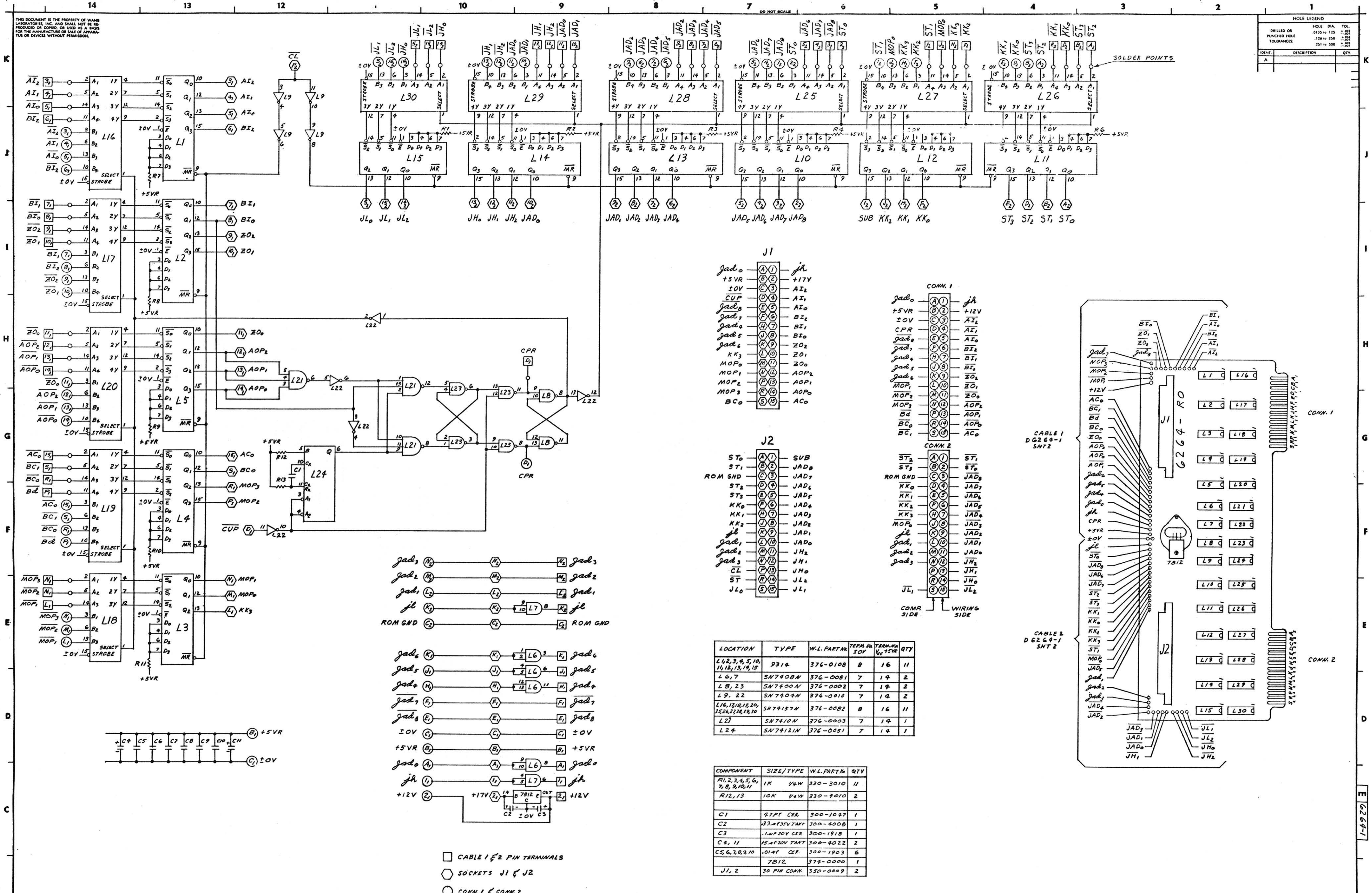
HOLE LEGEND	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		



LOCATION	TYPE	W.L. PART No.	TERM. No. ±0V	TERM. No. Vcc +5VR	QTY
L1,2,3,4,5,10, 11,12,13,14,15	9314	376-0108	8	16	11
L6,7	SN7408N	376-0081	7	14	2
L8, 23	SN7400N	376-0002	7	14	2
L9, 22	SN7404N	376-0010	7	14	2
L16,17,18,19,20, 25,26,27,28,29,30	SN74157N	376-0082	8	16	11
L21	SN7410N	376-0003	7	14	1
L24	SN74121N	376-0051	7	14	1

COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
R1,2,3,4,5,6, 7,8,9,10,11	1K 1/4W	330-3010	11
R12,13	10K 1/4W	330-4010	2
C1	47PF CER	300-1047	1
C2	33µF 35V TANT	300-4008	1
C3	.1µF 20V CER	300-1918	1
C4, 11	15µF 20V TANT	300-4022	2
C5,6,7,8,9,10	.01µF CER.	300-1903	6
	7812	374-0000	1
J1, 2	30 PIN CONN.	350-0009	2

REVISION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MODEL NO.	1200
TITLE	SCHEMATIC, LOGIBLOC 6264 DUAL ROM CONTROL
DWN	8-27-73
E ENGR	9/4/73
SEE ENGRG SPECIFICATIONS No.	
TOL EX AS NOTED	XX ± .010 - FRAC. ± 1/64; XXX ± .005 ANG ± 1°30' FINISH 125
SHT	1 OF 2
SIZE	E
DRAWING NUMBER	6264-1

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DO NOT SCALE

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+ .003 − .001
	.126 to .250	+ .004 − .001
	.251 to .500	+ .005 − .001

IDENT.	DESCRIPTION	QTY.
A		

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY
R1	120Ω 2W	337-2012	1
R2, 12 THRU 55	10K ¼W	330-4010	45
R3, 4, 5	680Ω ¼W	330-2068	3
R6, 7, 8	1K ¼W	330-3010	3
R9, 10, 11	4.7K ¼W	330-3047	3
R56	120Ω ½W	331-2012	1
C16	47pf CER	300-1047	1
C1	33µf 35V TANT	300-4039	1
C2	100µf 25V ELECT	300-3033	1
C3	.02µf CER	300-1904	1
C4, 5	10µf 35V TANT	300-4032	2
C6, 15	15µf 20V TANT	300-4022	1
C7, 8, 9, 10, 11, 12, 13, 14	.05µf CER	300-1900	8
C17	390pf CER	300-1390	1
D	DIODE SIL	380-1001	50
D3	EM 403	380-4000	1
D4	1N755A 7.5V	380-2075	1
	1N754A 6.8V	380-2068	1
D5	1N754A 6.8V	380-2068	1
Q1	2N6246	375-1029	1
Q2, 3, 4	2N3014	375-0017	3
J1, 2	CINCH JONES CONN.	350-4118	2
L17 THRU L27	24 PIN SOCKET	376-9003	11

SEE NOTE 1

LOCATION	TYPE	W.L. PART No.	TERM. No ±0V	TERM. No V_{cc} +5VR	QTY
L1	SN7406N	376-0055	7	14	1
L2	SN7495N	376-0059	7	14	1
L3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	SN74157N	376-0082	8	16	11
L14, 16, 28, 29, 30	SN7404N	376-0010	7	14	5
L15	9935	376-0023	7	14	1

LOCATION	W.L. NO.	VENDOR NO.	W.L. NO.	VENDOR NO.
L17	377-0114	CM5990N	377-0217	CM8300N
L18	377-0116	CM6010N	377-0218	CM8311N
L19	377-0115	CM6000N	377-0219	CM8320N
L20	377-0113	CM5980N	377-0216	CM8290N
L21	377-0112	CM5970N	377-0215	CM8280N
L22	377-0111	CM5960N	377-0214	CM8270N
L23	377-0110	CM5950N	377-0213	CM8260N
L24	377-0109	CM5940N	377-0212	CM8250N
L25	377-0108	CM5930N	377-0211	CM8240N
L26	377-0107	CM5920N	377-0210	CM8230N
L27	377-0106	CM5910N	377-0209	CM8220N
P.C. BOARD LABELING	US		EU	

NOTE

1. ADJUST THE D4 DIODE FOR AN OUTPUT OF −12.8 VOLTS MINIMUM TO −13.4 VOLTS MAXIMUM ON −13 VOLT BUSS LINE.

E-REV 3

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

BY	DATE	APPROVED BY	DATE
DWN JB	8-16-73	E ENGR	9/7/2
CHK		M ENGR	
E. C. CONTROL		MFG ENGR	

MATERIAL

MODEL NO. 1200

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125 √

TITLE SCHEMATIC, LOGIBLOC 6293 SOLID STATE R.O.M

SCALE SHT OF

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-6293	E	6293	5

REVISION	1	2	3	4	5
BY	JB	M.F.	F.S.S.	F.S.S.	F.S.S.
DATE	3-4-74	4-4-74	5-10-74	1-7-75	1-7-75
	REVISED PER ECN #4064 APP'D SKH	REVISED PER E.C. #4104 APP'D	REVISED PER E.C. #4101 APP'D.	REVISED PER E.C.N. #4465 APP'D	REVISED PER E.C.N. #4497 APP'D

DO NOT SCALE

LOCATION	TYPE	W.L. PART No.	TERM. No ±0V	TERM. No V_{cc} +5VR	QTY
L1,2,6,14,16	9930	376-0022	7	14	5
L3,4,12,23	9946	376-0023	7	14	4
L5,13,22	SN7473N	376-0003	11	4	3
L7	9963	376-0033	7	14	1
L8,11,15,17,19,20,27	9936	376-0026	7	14	7
L9	SN7404N	376-0010	7	14	1
L10	SN7499N	376-0064	12	5	1
L18,26	9935	376-0025	7	14	2
L21	SN7406N	376-0055	7	14	1
L24,25	SN74123N	376-0080	8	16	2

COMPONENT	SIZE/TYPE	WL PART No.	QTY
R1,2,3,9,10,11,13,17,23, 33,41,42,43,44,45,46,47, 48,49	10K ¼W	330-4010	19
R3	18K 5% ¼ W	330-4018	1
R4	22K 5% ¼W	330-4023	1
R5,16,24,34,37	39K ¼W	330-3039	5
R6,19,25,35,38	47Ω ¼W	330-1049	5
R7,20,26,36,39	4.7K ¼W	330-3047	5
R12	97K 5% ¼W	330-4064	1
R14	33K 5% ¼W	330-4034	1
R15,16,21,22,27,50	1K ¼W	330-3010	6
R28,29,30,31,32,40.	2.2K ¼W	330-3022	6
C1	47PF CER	300-1047	1
C2	3.3 MF TANT	300-4016	1
C3,16,17,18,19,25,50	560PF CER	300-1560	7
C4,12	.01MF CER	300-1703	2
C5,6,7,8,9,13,14,15,20,22, 24,27,28,29,30,31,32,33,34	470PF CER	300-1470	19
C10	5, 6MF TANT	300-4017	1
C11,21,23,26	820PF CER	300-1820	4
C35,49	10MF 16V	300-3006	2
C36,37,38,39,40,41,42, 43,44,45,46,47,48	.05MF CER	300-1200	13
D1	DIODE GER.	300-0000	1
D2,3,4,5,6,7,8,9,10	DIODE SIL	300-1001	9

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

CONN. 1

	A 1	PRIME
+5VR	B 2	SEARCH
±0V	C 3	$\overline{\text{SEARCH}}$
	D 4	$\overline{R_{0I}}$
	E 5	$\overline{R_{1I}}$
	F 6	$\overline{R_{2I}}$
TA_3	H 7	$\overline{R_{3I}}$
TA_2	J 8	$\overline{T_{0I}}$
	K 9	$\overline{T_{1I}}$
TA_0	L 10	$\overline{T_{2I}}$
TB_3	M 11	$\overline{T_{3I}}$
TB_2	N 12	L/R
TB_{1R}	P 13	$\overline{TS}$
TB_1	R 14	TA_1
TB_0	S 15	

CONN. 2

BI_0	A 1	SPT
BI_1	B 2	$\overline{\text{SPT}}$
BI_2	C 3	BK SPT
CKS	D 4	$\overline{\text{BK SPT}}$
$\overline{CS}$	E 5	TABT
$\overline{ZK}$	F 6	$\overline{\text{TABT}}$
STA	H 7	CR/LFI
$\overline{ST}$ T_3	J 8	$\overline{\text{CR/LFI}}$
CD_0	K 9	ATTN
SK	L 10	$\overline{\text{ATTN}}$
$\overline{CH}$	M 11	MEMO
$\overline{WO}$	N 12	SHL
	P 13	SKL
$\overline{PA}$	R 14	CDL
AU	S 15	CD

CONN. 3

	A 1	CL
	B 2	
(TP)	C 3	
$\overline{Q1}$	D 4	
	E 5	
	F 6	(TP)
	H 7	CK_{1234}
	J 8	
D_{20}	K 9	
	L 10	
$\overline{LI}$	M 11	
	N 12	
	P 13	±0V
	R 14	+5VR
(TP)	S 15	

COMP. SIDE — WIRING SIDE

NOTE:-
1. REMOVE JUMPER FOR ½ INDEXING
2. ADD JUMPER FOR ½ INDEXING

COMPONENT LAYOUT

6370 - R2

L13 L12 L11 L10 L9 L8 L7 L6 L5 L4 L3 L2 L1
L26 L25 L24 L23 L22 L21 L20 L19 L18 L17 L16 L15 L14
L27

S R P N M L K J H F E D C B A
3 3 3 3 3 3 3 3 3 3 3 3 3 3

S R P N M L K J H F E D C B A
2 2 2 2 2 2 2 2 2 2 2 2 2 2

S R P N M L K J H F E D C B A
1 1 1 1 1 1 1 1 1 1 1 1 1 1

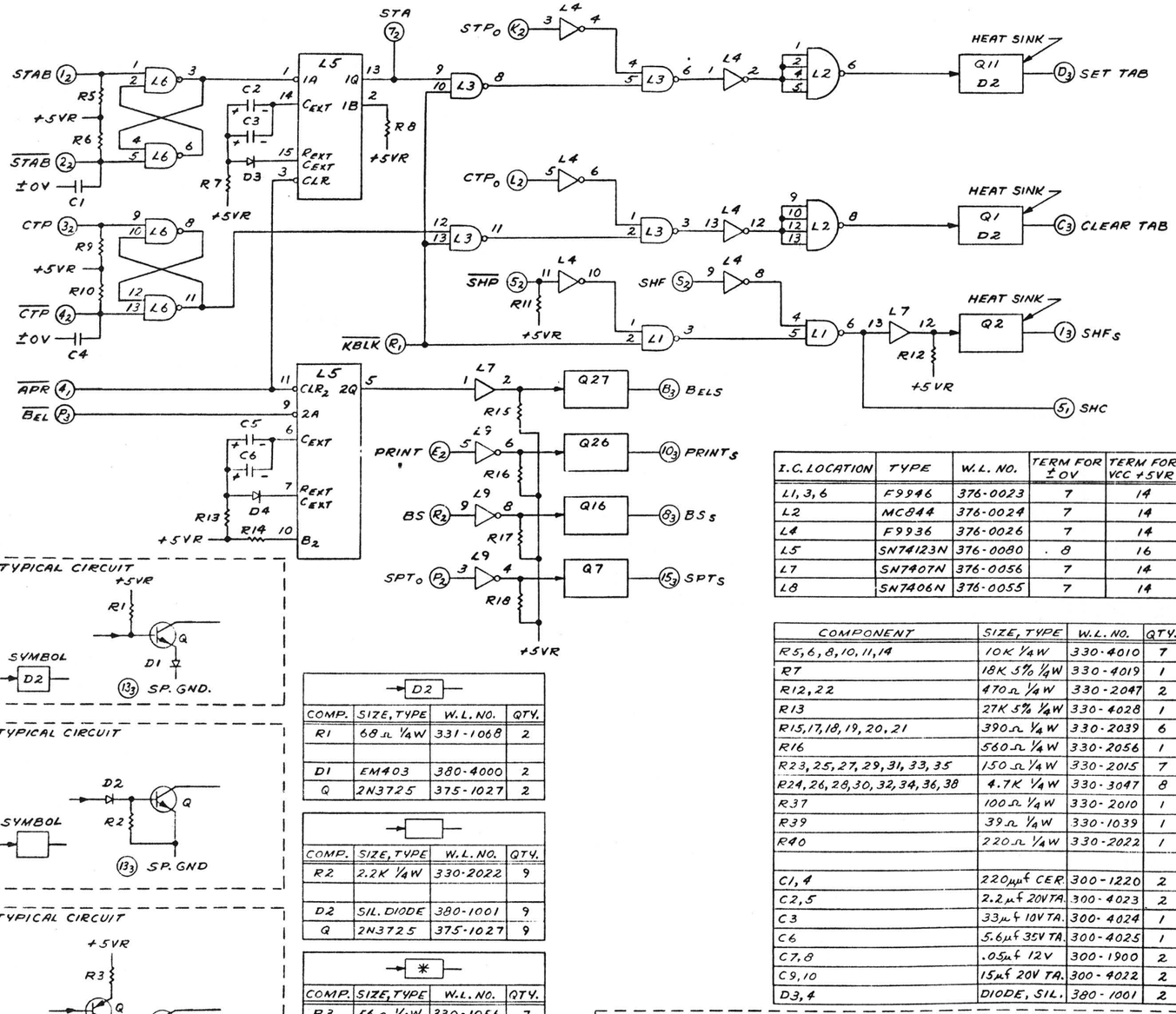
REV	DESCRIPTION	DATE	APPROVED
00	REVISED PER ECN# 3851 APP. D	10-22-73	
1			

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN		APP.	
1200	CHECKED	7-30-73	APP.	8-1-73

TITLE: SCHEMATIC, LOGIBLOC TYPEWRITER INPUT — 6370

SHT OF — DWG. NO. D 6370-1 — REV 1



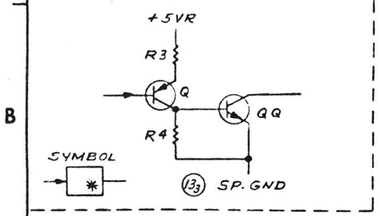
I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5VR	QTY.
L1, 3, 6	F9946	376-0023	7	14	3
L2	MC844	376-0024	7	14	1
L4	F9936	376-0026	7	14	1
L5	SN74123N	376-0080	8	16	1
L7	SN7407N	376-0056	7	14	1
L8	SN7406N	376-0055	7	14	1

COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
R5,6,8,10,11,14	10K ¼W	330-4010	7
R7	18K 5% ¼W	330-4019	1
R12,22	470Ω ¼W	330-2047	2
R13	27K 5% ¼W	330-4028	1
R15,17,18,19,20,21	390Ω ¼W	330-2039	6
R16	560Ω ¼W	330-2056	1
R23,25,27,29,31,33,35	150Ω ¼W	330-2015	7
R24,26,28,30,32,34,36,38	4.7K ¼W	330-3047	8
R37	100Ω ¼W	330-2010	1
R39	39Ω ¼W	330-1039	1
R40	220Ω ¼W	330-2022	1
C1,4	220μf CER	300-1220	2
C2,5	2.2μf 20V TA.	300-4023	2
C3	33μf 10V TA.	300-4024	1
C6	5.6μf 35V TA.	300-4025	1
C7,8	.05μf 12V	300-1900	2
C9,10	15μf 20V TA.	300-4022	2
D3,4	DIODE, SIL.	380-1001	2

TYPICAL CIRCUIT

TYPICAL CIRCUIT

TYPICAL CIRCUIT

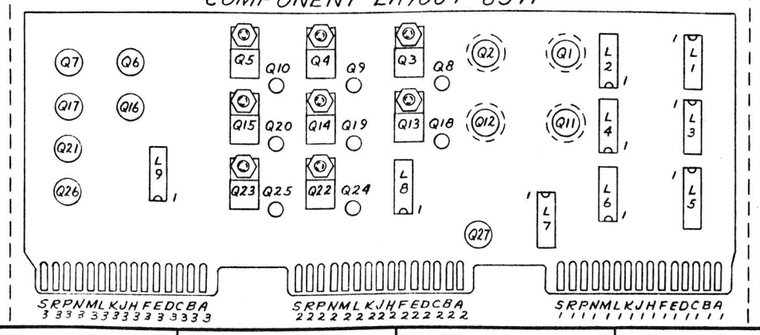


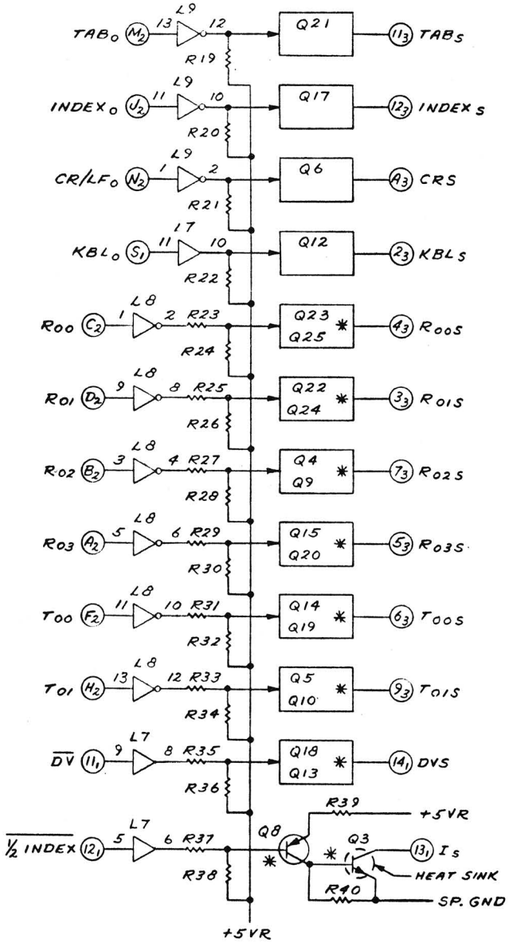
COMP.	SIZE, TYPE	W.L. NO.	QTY.
D2			
R1	68Ω ¼W	331-1068	2
D1	EM403	380-4000	2
Q	2N3725	375-1027	2

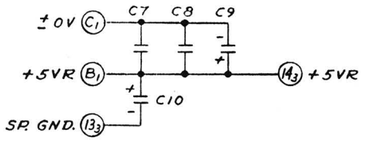
COMP.	SIZE, TYPE	W.L. NO.	QTY.
R2	2.2K ¼W	330-2022	9
D2	SIL. DIODE	380-1001	9
Q	2N3725	375-1027	9

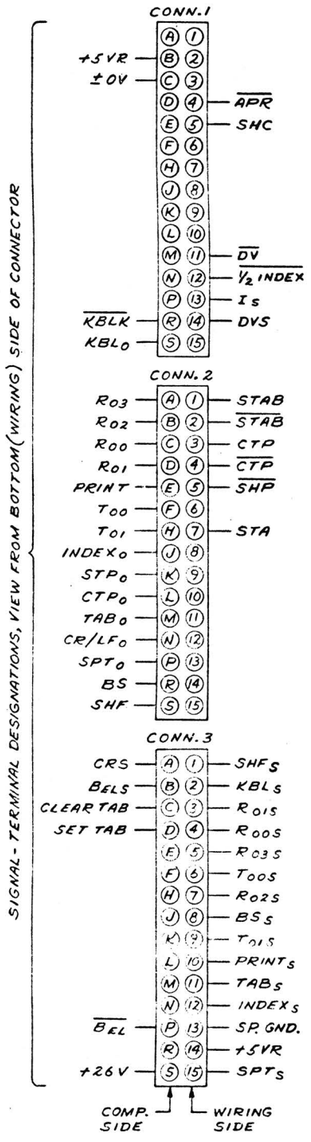
COMP.	SIZE, TYPE	W.L. NO.	QTY.
R3	56Ω ¼W	330-1056	7
R4	220Ω ¼W	330-2022	7
Q	SIL. GT544	375-1011	7
QQ	2N6103 NPN	375-1035	16

COMPONENT LAYOUT 6371









NO.	REVISION	BY	DATE

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	CHECKED	APP.	APP.	DATE
1200	F.S.S. 6-31-73				7/4/73

TITLE: SCHEMATIC LOGIBLOC #6371
TELETYPEWRITER OUTPUT DRIVER

SHT 1 OF 1 | DWG. NO. D 6371-1 | REV.

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DO NOT SCALE

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	± .003 ± .002
	.126 to .250	± .004 ± .003
	.251 to .500	± .005 ± .003

IDENT.	DESCRIPTION	QTY.
A		

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

CONN. 1

(A)(1)	PRIME	
+5VR (B)(2)		
±0V (C)(3)	TP3	
BI0 (D)(4)	DV	
(E)(5)	APR	
(F)(6)		
BUSY (J)(8)		
(K)(9)		
(L)(10)		
(M)(11)		
(N)(12)		
(P)(13)		
MOP8 (R)(14)		
TP1 (R)(14)		
KK2 (S)(15)		

CONN. 2

(A)(1)	RO3	
(B)(2)	RO2	
(C)(3)	RO0	
KBN (D)(4)	RO1	
(E)(5)	PRINT	
KAN (F)(6)	TO0	
(H)(7)	TO1	
CK1234 (J)(8)	INDEX 0	
(K)(9)	STP0	
(L)(10)	CTP0	
(M)(11)	TAB-0	
TAS (P)(12)	CR/LF0	
CRS (R)(13)	SPT0	
(R)(14)	BS	
(S)(15)	SHF	

CONN. 3

(A)(1)	MK0	
(B)(2)		
(C)(3)	½ INDEX	
(D)(4)		
(E)(5)		
(F)(6)		
(H)(7)		
CIND (J)(8)		
CRI (K)(9)		
(C)(10)	IND	
(M)(11)		
Q1 (N)(12)		
(P)(13)	±0V	
(R)(14)	+5VR	
(S)(15)		

COMP. SIDE — WIRING SIDE

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5VR	QTY.
L1,4,9,14,15,18,19, 33,34,44	SN7400N	376-0002	7	14	10
L2	F9930	376-0022	7	14	1
L3	F9936	376-0026	7	14	1
L5,26	SN7410N	376-0003	7	14	2
L6,8	SN74197N	376-0083	7	14	2
L7	F9944	376-0024	7	14	1
L10,11,13,37,38	SN7402N	376-0016	7	14	5
L12,27,39,40,41	SN7490N	376-0073	10	5	5
L16,20,25,42	SN7404N	376-0010	7	14	4
L17	F9602	376-0104	8	16	1
L21,22	SN7495N	376-0059	7	14	2
L23,24,30,31	SN7442N	376-0008	8	16	4
L28	F9935	376-0025	7	14	1
L29	F9946	376-0023	7	14	1
L32	SN7473N	376-0005	11	4	1
L35,36	SN7409N	376-0055	7	14	2
L43	F9963	376-0033	7	14	1

NOTE:
1. REMOVE JUMPER FOR ½ INDEXING IN ZONE J-19.

COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
R1,3	1K ¼W	330-3010	2
R2,5,9,10,11	10K ¼W	330-4010	5
R4,12	2.2K ¼W	330-3022	2
R6	12K ¼W	330-4012	1
R7	10K POT.	336-1010	1
R8	15K ¼W 5%	330-4016	1
C1	560μμf CER.	300-1560	1
C2,5	.0033μf 100V	300-2033	2
C3	2.2μf 20V TA.	300-4014	1
C4	5.6μf 35V TA.	300-4017	1
C6,7,8,9,10,11, 12,13,14,15	.02μf 25V	300-1904	10
C16,17	15μf 20V	300-4022	2
D1,2,3,4	30V SIL.	320-1001	4

COMPONENT LAYOUT 6372

6370 RO

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
QTY. PER ASSY	FIRST USED ON / ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		BY / DATE / APPROVED BY / DATE
				DWN R.S.S.	6-1972 E ENGR 7-1-72
				CHK	M ENGR
			MATERIAL	E C CONTROL	MFG ENGR
			MODEL NO. 1200		
			SEE ENGRG SPECIFICATIONS for	TITLE SCHEMATIC LOGIBLOC #6372 TELETYPEWRITER OUTPUT CONTROL	
			FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG ± 1°30' FINISH √	
				SCALE / SHT 1 OF 1	E 6372-1
				WANG PART NUMBER	SIZE / DRAWING NUMBER / REV.

E 6372-1

REVISION

DO NOT SCALE

I.C. LOCATION	TYPE	W.L. NO.	TERM. FOR -0V	TERM FOR VCC +5VR	QTY.
L1,19,29	709C	376-0000			3
L2,5,14,15,16, 17,24,25,26,28	F9946	376-0023	7	14	10
L3,4,13	F9930	376-0022	7	14	3
L6,11,22,23,31	F9936	376-0026	7	14	5
L7	SN7430N	376-0031	7	14	1
L8,12,27	SN74123N	376-0080	8	16	3
L9,30	SN7400N	376-0002	7	14	2
L10,21	SN7410N	376-0003	7	14	2
L18	SP380A	376-0061	1	8	1
L20	SN7404N	376-0010	7	14	1

COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
R1	10K POT.	336-1004	1
R2	12K 1/4 W	330-4012	1
R3	330K 1/4W	330-5033	1
R4,21	680Ω 1/4 W	330-2068	2
R5,20,26	4.7K 1/4 W	330-3047	3
R6,27	1M 1/4 W	330-6010	2
R7	8.2K 1/4 W	330-3082	1
R8,10,12,13,14, 18,23,24,25,28	10K 1/4 W	330-4010	10
R9	27K 5% 1/4W	330-4028	1
R11	18K 1/4 W	330-4018	1
R15	15K 5% 1/4 W	330-4016	1
R16	12K 5% 1/4 W	330-4013	1
R17	1K 1/4 W	330-3010	1
R19	18K 5% 1/4W	330-4019	1
R22	180K 1/4 W	330-5018	1
R29	15K 1/4 W	330-4015	1
C1	1.2μf 5% TA.	300-4026	1
C2,12	33μf 5% TA.	300-4024	2
C3,14	.1μf 20V	300-1918	2
C4,15,17	.001μf 200V	300-1906	3
C5,16,18	220μμf CER.	300-1220	3
C6,13	2.2μf 5% TA.	300-4027	2
C7,10	470μμf CER.	300-1470	2
C8	47μμf CER.	300-1047	1
C9	.47μf 5%	300-4001	1
C11	5.6μf 5%	300-4017	1
C19,20,21,22,23, 24,25,26,27,30, 31,32,33	.02 μf 25V	300-1904	13
C28,29,34,35	15μf 20V TA.	300-4022	4
D1 THRU D18	30V SIL.	380-1001	8

'CONN.1

-12V	A 1	
+5VR	B 2	
±0V	C 3	
	D 4	+12V
MD	E 5	KB0
TA2	F 6	MD
TS	H 7	TA3
CS	J 8	
TA1	K 9	
TA0	L 10	
TB2	M 11	
TB3	N 12	
TBIR	P 13	TB1
TB0	R 14	
CD0	S 15	

CONN.2

KA1	A 1	
KA0	B 2	CIND
TAS	C 3	IND
CRS	D 4	
SHT3	E 5	SH
PRINT	F 6	
	H 7	
	J 8	
	K 9	KA3
ZK	L 10	
KA2	M 11	
KB2	N 12	
SBD	P 13	
BUSY	R 14	
KB3	S 15	

CONN. 3

SCRB	A 1	
KB1	B 2	KR/B
CRI	C 3	
RC	D 4	KBLK
DIN1	E 5	PT
DIN0	F 6	PT
KBP	H 7	
MOP11	J 8	KAP
BIO	K 9	
MOP13	L 10	+12V
MOP14	M 11	-12V
CK5	N 12	R/B
	P 13	±0V
	R 14	+5VR
	S 15	

COMP. SIDE — WIRING SIDE

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

COMPONENT LAYOUT 6373

SRPNMLKJHFEDCBA 3333333333333333

SRPNMLKJHFEDCBA 2222222222222222

SRPNMLKJHFEDCBA 1111111111111111

6373 R0

WANG LABORATORIES INC.
TEWKSBURY, MASS.

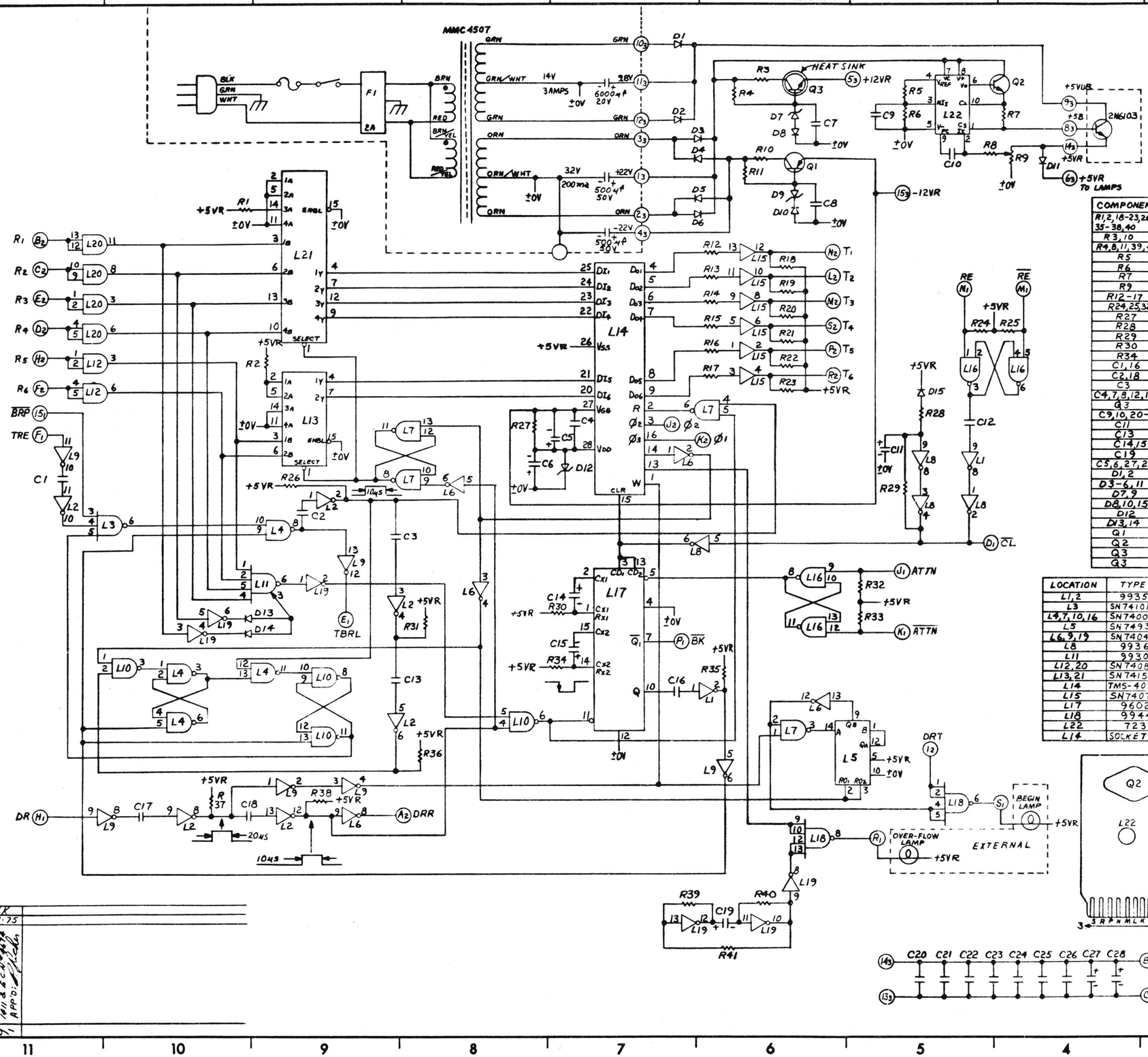
MODEL NO.	DRAWN	CHECKED	APP.	APP.	
1200	F.S.S. 8-21-73				9/4/73

TITLE: SCHEMATIC LOGIBLOC #6373 KA KB CODE CONVERTER

SHT 1 OF 1 — DWG. NO. D 6373-1 — REV.

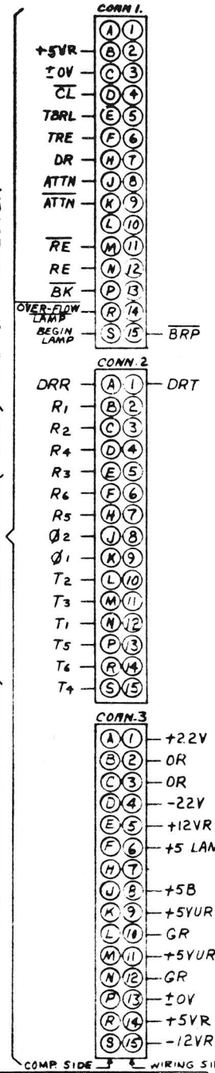
BY	DATE

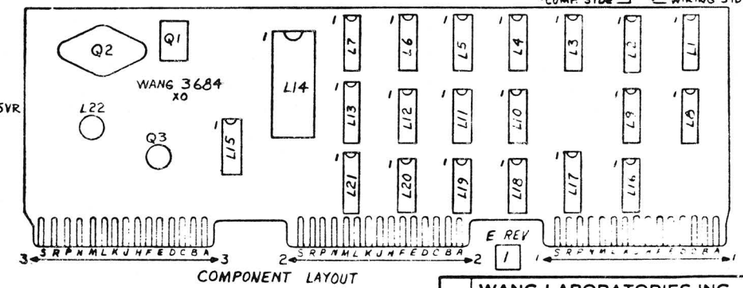
REVISION



COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1,2,18-23,26,31, 35-38,40	1K 1/4W	330-3010	15
R3,10	33Ω 1W	332-1033	2
R4,8,11,39,41	470Ω 1/4W	330-2047	5
R5	2.7K 1/4W	330-3027	1
R6	4.7K 1/4W	330-3047	1
R7	3.3K 1/2W	331-0033	1
R9	1K TRIM POT	336-1001	1
R12-17	1.5K 1/4W	330-3015	6
R24,25,32,33	10K 1/4W	330-4010	4
R27	220Ω 1/2W	331-2022	1
R28	100Ω 1/4W	330-2010	1
R29	6.8K 1/4W	330-3068	1
R30	22K 1/4W	330-4022	1
R34	33K 1/4W	330-4033	1
C1,16	.0068μF 200V	300-1911	2
C2,18	.0056μF 200V	300-1915	2
C3	560PF CER.	300-1560	1
C4,7,8,12,17	.01μF 20V	300-1903	5
Q3	TIS118A	375-7001	1
C9,10,20-26	.05μF 12V	300-1900	9
C11	1μF 35V TANT	300-4000	1
C13	220PF CER	300-1220	1
C14,15	33μF 35V TANT	300-4029	2
C19	100μF 15V ELECT.	300-3011	1
C5,6,27,28	15μF 20V TANT	300-4022	4
D1,2	GE A-15E	380-3004	2
D3-6,11	EM403	380-4000	5
D7,9	IN759A 12V	380-2120	2
D8,10,15	D035 SIL 40V	380-1004	3
D12	IN751A 5.1V	380-2051	1
D13,14	D07 SIL 30V	380-1001	2
Q1	2N6110	375-1034	1
Q2	40250	375-1022	1
Q3	2N3725	375-1027	1
Q3	HEAT SINK	375-9010	1

LOCATION	TYPE	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc+5V	QTY.
L1,2	9935	376-0025	7	14	2
L3	SN7410N	376-0003	7	14	1
L4,7,10,16	SN7400N	376-0002	7	14	4
L5	SN7493N	376-0011	10	5	1
L6,9,19	SN7404N	376-0010	7	14	3
L8	9936	376-0026	7	14	1
L11	9930	376-0022	7	14	1
L12,20	SN7408N	376-0081	7	14	2
L13,21	SN74157N	376-0082	8	16	2
L14	TMS-4024	376-0149	—	26	1
L15	SN7407N	376-0056	7	14	1
L17	9602	376-0104	8	16	1
L18	9944	376-0024	7	14	1
L22	723	376-0066	—	—	1
L14	SOCKET	376-9011	—	—	1





COMPONENT LAYOUT

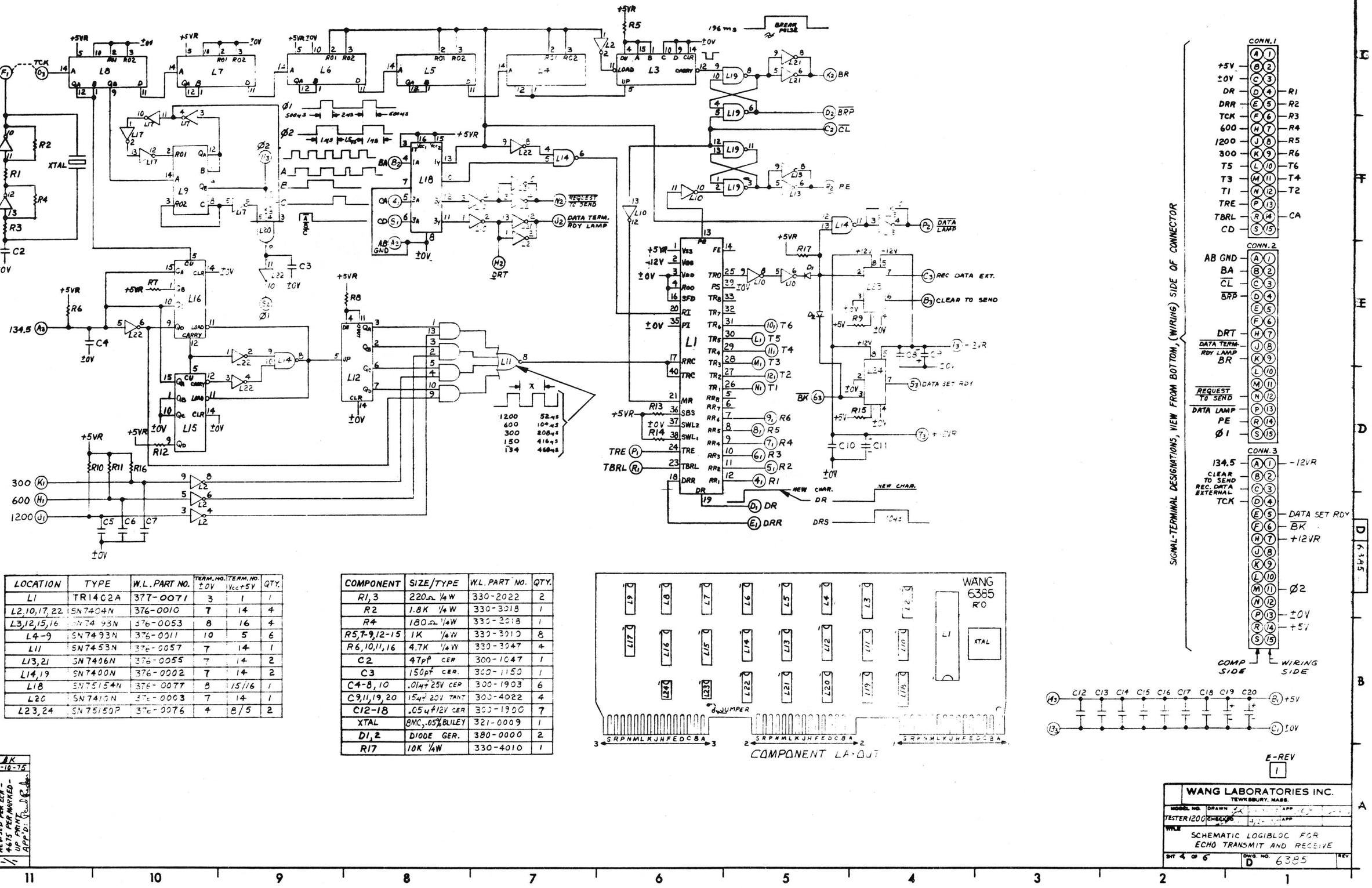
REVISION	BY	DATE
REVISED PER R.F.A. #111 & C.N. #474 APP'D:	BK	3-7-75

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP	
1200	CHECKED	APP	

SCHEMATIC LOGIBLOC
ECHO MEMORY

SHT 4 OF 5 | DWG NO. D 6384 | REV E



LOCATION	TYPE	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc +5V	QTY.
L1	TR1402A	377-0071	3	1	1
L2,10,17,22	SN7404N	376-0010	7	14	4
L3,12,15,16	SN74 93N	376-0053	8	16	4
L4-9	SN7493N	376-0011	10	5	6
L11	SN7453N	376-0057	7	14	1
L13,21	SN7406N	376-0055	7	14	2
L14,19	SN7400N	376-0002	7	14	2
L18	SN75154N	376-0077	8	15/16	1
L20	SN7410N	376-0003	7	14	1
L23,24	SN75150P	376-0076	4	8/5	2

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1,3	220Ω ¼W	330-2022	2
R2	1.8K ¼W	330-3018	1
R4	180Ω ¼W	330-3018	1
R5,7-9,12-15	1K ¼W	330-3010	8
R6,10,11,16	4.7K ¼W	330-3047	4
C2	47pf CER	300-1047	1
C3	150pf CER.	300-1150	1
C4-8,10	.01μf 25V CER	300-1903	6
C9,11,19,20	15μf 20V TANT	300-4022	4
C12-18	.05μf 12V CER	300-1900	7
XTAL	8MC, .05% BLILEY	321-0009	1
D1,2	DIODE GER.	380-0000	2
R17	10K ¼W	330-4010	1

REV	BY	DATE	REVISION
1	AK	3-10-75	REVISED PER ECN-4615 PER MARKED-UP PRINT APP'D:

E-REV 1

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. TESTER 1200 | DRAWN | CHECKED | APP

TITLE: SCHEMATIC LOGIBLOC FOR ECHO TRANSMIT AND RECEIVE

SHT 4 OF 6 | DWG. NO. D 6385 | REV

DO NOT SCALE

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DO NOT SCALE

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL.
	30 thru 125	± .002
	.126 to .250	± .003
	.251 to .500	± .005

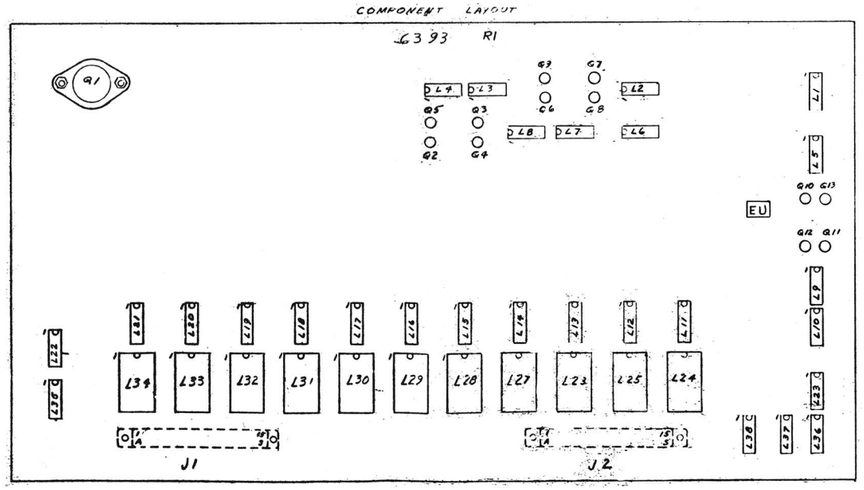
IDENT	DESCRIPTION	QTY
A		

NOTES:

1. ADJUST THE D3 DIODE FOR AN OUTPUT OF -12.8V, MIN. TO -13.4V MAX. ON -13V BUSS LINE.

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY
R1	120Ω 2W	337-2012	1
R2,3,4,5,18 THRU 23	1K ¼W	330-3010	16
R6 THRU 17	2.2K ¼W	330-3022	12
R30 THRU 41	4.7K ¼W	330-3047	12
R43 THRU 85	10K ¼W	330-4010	64
R86	120Ω ½W	331-2012	1
C18	47mμf CER.	300-1047	1
C1	.33 μf 35V TANT	300-6039	1
C2	100 μf 25V ELECT	300-3033	1
C3	.02 μf CER	300-1906	1
C4	10 μf 35V TANT	300-9032	1
C5, 6, 17	15 μf 20V TANT	300-6022	3
C7,8,9,10,11,12,13,14,15,16	.05 μf CER	300-1900	10
C19	390mμf CER	300-1390	1
D'	DIODE SIL	380-1001	471
D3	IN753A 6.2V	380-2062	1
D4	IN758A 6.8V	380-2068	1
Q1	2N6296	375-1029	1
Q2 THRU 13	2N3014	375-0017	12
J1, J2	CINCH JONES CONN.	350-4118	2

COMPONENT LAYOUT



LOCATION	TYPE	W.L. PART #	TERM. NO. ±5V	TERM. NO. +5VR	QTY
L1,3,7,10	SN7475N	376-0059	7	14	4
L2,8,9	SN7406N	376-0055	7	14	3
L4,22,35,36,37,38	SN7404N	376-0010	7	14	6
L5, 6, 23	9935	376-0025	7	14	3
L11,12,13,14,15,16,17,18,19,20,21	SN74157A	376-0052	8	16	11
L24 THRU L34	24 PIN SKT	376-9003			11

LOCATION	W.L. NO.	VENDOR NO.	W.L. NO.	VENDOR NO.
L24	377-0114	CM5990N	377-0217	CM8300N
L25	377-0116	CM6010N	377-0218	CM8311N
L26	377-0115	CM6000N	377-0219	CM8320N
L27	377-0113	CM5980N	377-0216	CM8290N
L28	377-0112	CM5370N	377-0215	CM8280N
L29	377-0111	CM5960N	377-0214	CM8270N
L30	377-0110	CM5950N	377-0213	CM8260N
L31	377-0109	CM5940N	377-0212	CM8250N
L32	377-0108	CM5930N	377-0211	CM8240N
L33	377-0107	CM5920N	377-0210	CM8230N
L34	377-0106	CM5910N	377-0209	CM8220N
P.C. BOARD LABELING	US		EU	

REV	DESCRIPTION	BY	DATE
1	REVISED PER ECN#1104 APP'D JRL	N.F	4/5/74
2	REVISED PER RFA #0346 APP'D JRL	A.B	5-9-74
3	REVISED PER RFA-1014 APP'D JRL	J.K	6-3-74
4	REVISED PER DCR-0078 APP'D JRL	J.K	6-18-74
5	REVISED PER ECN #1141 APP'D JRL	SEC	6-20-74
6	REVISED PER ECN #1155 APP'D JRL	DA	8-21-74
7	REVISED PER ECN #1151 APP'D JRL	KWW	7-17-74
8	REVISED PER ECN #1209 APP'D JRL	KWW	11-7-74

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		

	BY	DATE	APPROVED BY	DATE
DWN			E ENGR	
CHK			M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL — MODEL NO 1222 — SEE ENGRG SPECIFICATIONS No. —

FINISH —

TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √ 125

SCALE — SHT OF

TITLE SCHEMATIC LOGIBLOC 6393 SOLID STATE R.O.M. WITH 12 WORD MODIFICATION

210-6393 — WANG PART NUMBER — E — SIZE — 6393 — DRAWING NUMBER — 8 — REV.

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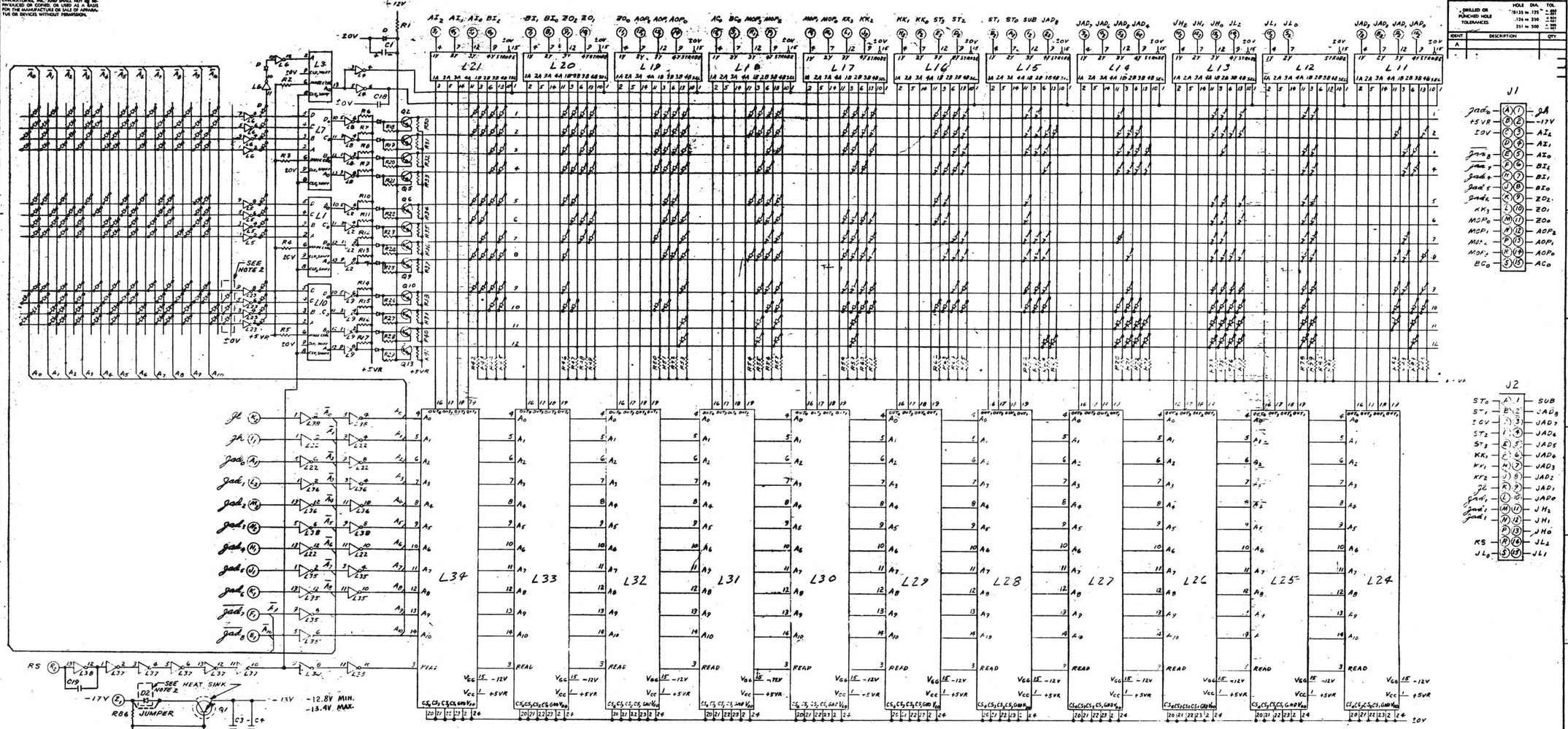
DO NOT SCALE



HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL.
	.0135 to .125	+.003 -.002
	.126 to .250	+.004 -.003
	.251 to .500	+.005 -.003

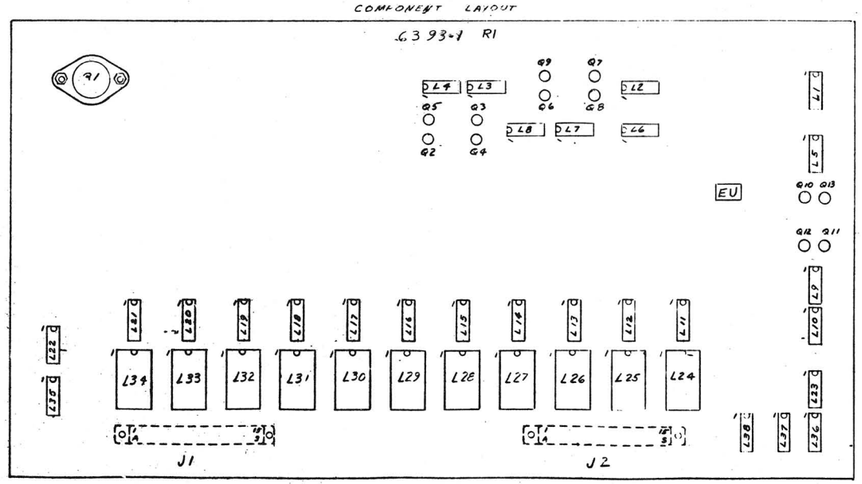
IDENT	DESCRIPTION	QTY
A		

NOTES:

1. ADJUST THE D3 DIODE FOR AN OUTPUT OF -12.8V, MIN. TO -13.4V MAX. ON -13V BUSS LINE.
2. FOR 1200 WITH ½ INDEX ADD FOUR DIODES AS NOTED. THE ½ INDEX BOARD WILL BE MADE IN FINAL ASSEMBLY.

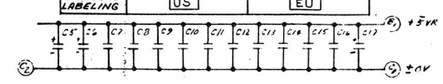
COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY
R1	120Ω 2W	337-2012	1
R2,4,5,18 THRU 29	1K ¼W	330-3010	16
R6 THRU 17	2.2K ¼W	330-3022	12
R30 THRU 41	4.7K ¼W	330-3047	12
R42 THRU 85	10K ¼W	330-4010	44
R86	120Ω ½W	331-2012	1
C19	47μμf CER	300-1047	1
C1	.33 μf 35V TANT	300-4039	1
C2	100 μf 25V ELECT	300-3038	1
C3	.02 μf CER	300-1904	1
C9	10 μf 35V TANT	300-4032	1
C5,6,17	15 μf 20V TANT	300-4022	3
C7,8,9,10,11,12,13,14,15,16	.05 μf CER	300-1900	10
C18	390 μμf CER	300-1390	1
D	DIODE SIL	380-1001	474
D2	EM403	380-4000	1
D3	1N753A 6.2V	380-2062	1
D4	1N759A 6.8V	380-2068	1
Q1	2N6296	375-1029	1
Q2 THRU 13	2N3014	375-0017	12
J1,2	CINCH JONES CONN	350-4118	2

COMPONENT LAYOUT



LOCATION	I.C.	W.L. PART NO.	TOL. %	EQUIV. RES. ½ WATT	QTY
L1,3,7,10	SN7495N	376-0059	7	1.4	4
L2,8,9	SN7406N	376-0055	7	1.4	3
L4,22-35,36,37,38	SN7404N	376-0010	7	1.4	6
L5,6,23	9935	376-0025	7	1.4	3
L12,12,13,14,15,16,17,18,19,20,21	SN74157A	376-0082	8	1.6	11
L2 THRU L34	24 PIN SKT	376-9003			11

LOCATION	W.L. NO.	VENDOR NO.	W.L. NO.	VENDOR NO.
L24	377-0114	CM5990N	377-0217	CM8300N
L25	377-0116	CM6010N	377-0218	CM8311N
L26	377-0115	CM6000N	377-0219	CM8320N
L27	377-0113	CM5980N	377-0216	CM8290N
L28	377-0112	CM5970N	377-0215	CM8280N
L29	377-0111	CM5960N	377-0214	CM8270N
L30	377-0110	CM5950N	377-0213	CM8260N
L31	377-0109	CM5940N	377-0212	CM8250N
L32	377-0108	CM5930N	377-0211	CM8240N
L33	377-0107	CM5920N	377-0210	CM8230N
L34	377-0106	CM5910N	377-0209	CM8220N
PC BOARD LABELING	US		EU	



E-REV 1

REVISION	E	M.F.	M.F.	J.L.	R.K.	SEC.	SM.	W.WU.	W.WU.
9	REVISED PER E.C.N# 9,404 APPD	4/8/74							
8	REVISED PER RFA # 1016 APPD:		7-7-74	1-14					
7	REVISED PER RFA-1014 APPD:								
6	REVISED PER DCR-0078 APPD:				1-18-74	6-26-74			
5	REVISED PER RFA #1014 APPD:								
4	REVISED PER E.C.N. 8,931 APPD:								
3	REVISED PER E.C.N. 8,931 APPD:								

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN			E ENGR	
CHK			M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL

MODEL NO 1200 ½ INDEX

SEE ENGRG SPECIFICATIONS No.

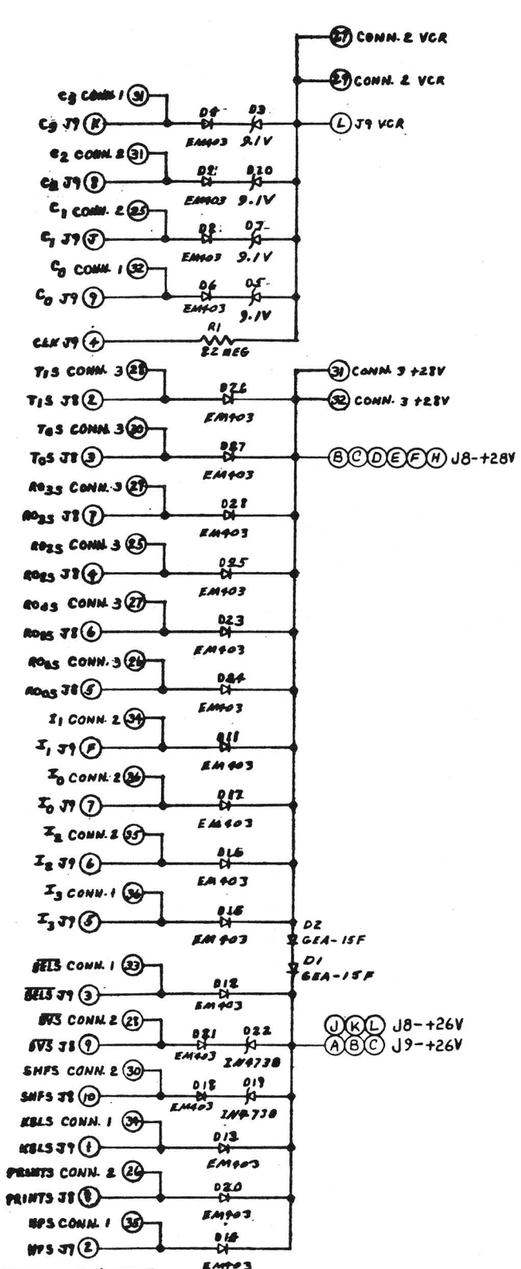
FINISH

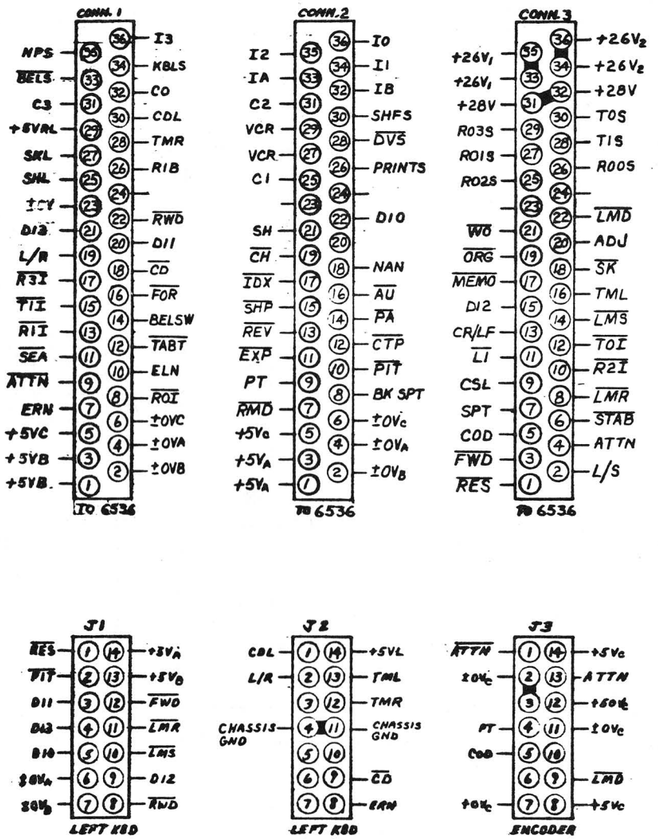
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH

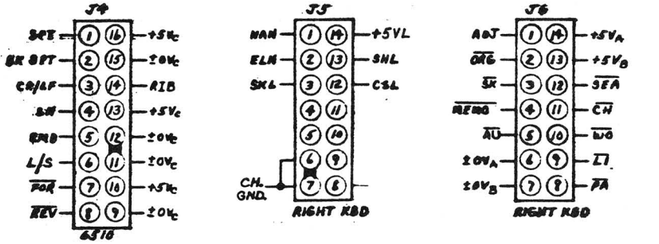
TITLE SCHEMATIC LOGIBLOC 6393-1 SOLID STATE R.O.M. WITH 12 WORD MODIFICATION

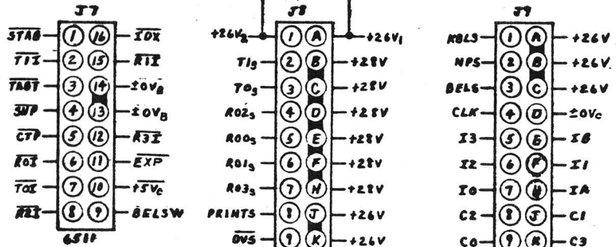
SCALE | SHT OF | WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

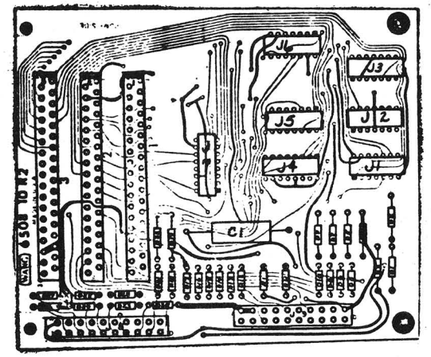
210-6393-1 | E | 6393-1 | 8











	4			
	1	510-6508		6508 PC BOARD
	2	380-2082 1		IN4738 8.2V 1W ZENER D
	4	" -2091-3		9.1V 5W ZENER D
	2	" -3004		GEA-15F RECTIFIER
	20	380-4003		EM 403 RECTIFIER HI-VOLT.
	2	376-9005		16 PIN SOCKET CAMBION
	5	376-9012		14 PIN SOCKET CAMBION
	2	350-0028		225-21021-110 PC CONN
	3	350-0401 8		36 PIN FLAT CABLE CONN R
	1	300-2310		.1 μf 400V MYLAR C
	1	331-2010		100 Ω ½W 10% RES.
	1	330-6082		8.2 M Ω ¼W 10% RES.
	X1		D6508-1	SCHEMATIC
				6508-4
				210-6508 2-2

NO.	BY	DATE	REVISION
1	MF	5-13-74	REV. PER WA-0928, DCR 8465, WA 0084
1/0	MF	APP'D	
2	MF	7-22-74	REVISED PER DCR 8703
2/0	MF	APP'D	
3	MF	11-22-74	REVISED PER ECO 9220
3/0	MF	APP'D	

E. REV. 0

WANG LABORATORIES INC.
TEWKSBURY, MASS.

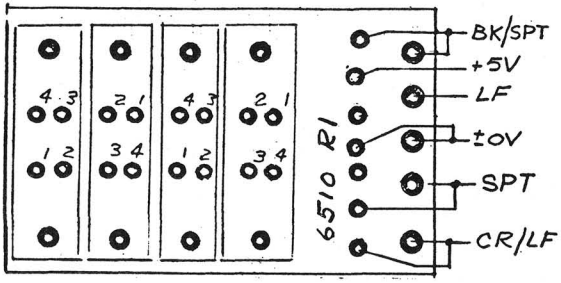
ISSUE NO. 1222	DRAWN MF	3/25/74	APP.	
	CHECKED		APP.	

TITLE: SCHEMATIC LOGIBLOC #6508
CABLE JUNCTION BOARD

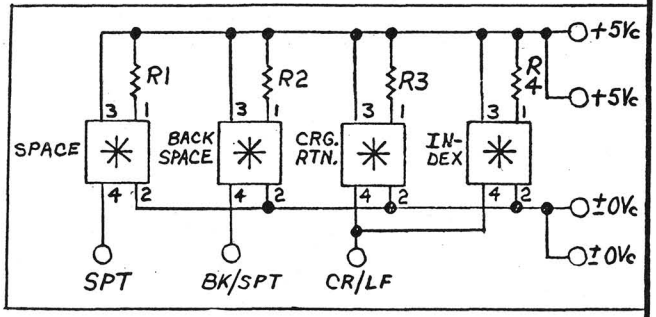
SHT 4 OF 5 | SIZE D | DWG. NO. D 6508-1 | REV. 3

D 6508-1

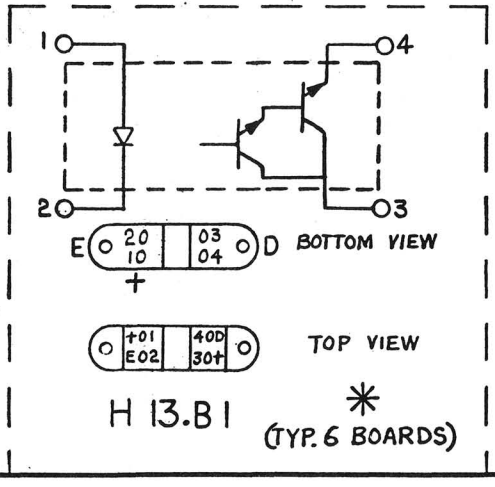
DO NOT SCALE



COMPONENT LAYOUT



COMPONENT	SIZE/TYPE	W.L.PART NO.	QTY.
R1, 2, 3, 4	120Ω 1/4W	330-2012	4
H13.B1	PHOTO TSTR	375-2103	4



1/0	REVISED PER RFA # 1102 ADD'D: DTF	EBA 8-27-74
2/1	REVISED PER ECN # 4322 ADD'D: DTF	EBA 9-27-74

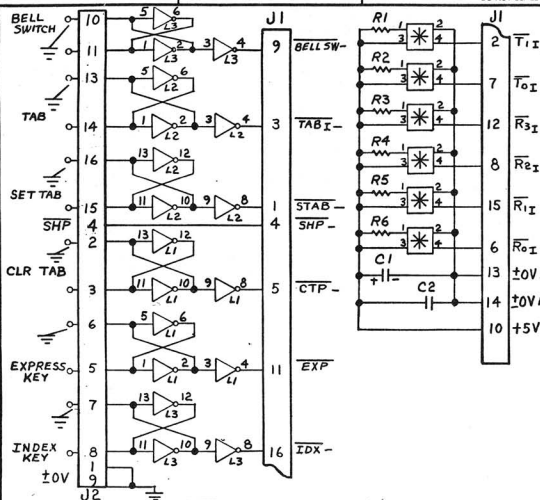
E. REV. 1

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

MODEL NO.	DRAWN GK	12-10-73	APPD DTF	5-21-74
1222	CHECKED		APPD	

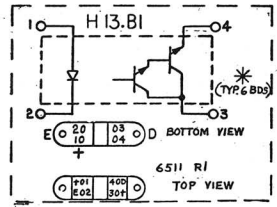
TITLE SCHEMATIC LOGIBLOC 6510
SPECIAL FUNCTION BOARD

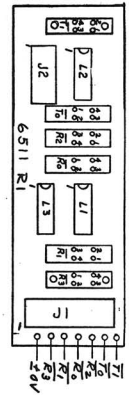
W.O. NO.	SCALE	DWG. NO.	REV
		A 6510-1	2



LOCATION	TYPE	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc+5V	QTY
L1,2,3	9936	376-0026	7	14	3
J1, J2	16 PIN SOCKET	376-9005 CAMACTRON			2

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1 – 6	120Ω 1/4 W	330-2012	6
C1	154F 20V TANT	300-4022	1
C2	.014F 12V CER	300-1903	1
PHOTO CELL TSTR	H13.B1	375-2103	6





E.REV. 1

NO	REVISION	BY	DATE
1/0	CHANGED PER RR 0963 APP'D: [illegible]	ER	5-20-74
2/0	REVISED; PER ECR 10,411 ADDED [illegible]	F.S.S.	7-10-74
3/1	REVISED PER ECO 1322 APP'D: [illegible]	EBH	8-26-74

WANG PART NO.	ITEM	QTY.	NAME
Qty. Per Unit	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL	MODEL NO. 1222
	SEE ENGRG SPECIFICATIONS No.
FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125
	SCALE / SHT OF

MATERIAL	DESCRIPTION

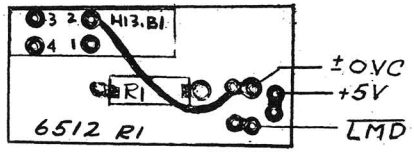
	BY	DATE	APPROVED BY	DATE
DWN	ER	4-4-74	E ENGR	5-23-74
CHK			M ENGR	
E. C. CONTROL			MFG ENGR	

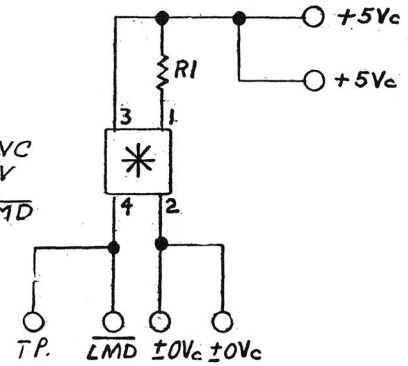
TITLE: SCHEMATIC LOGIBLOC #6511 CODE BOARD

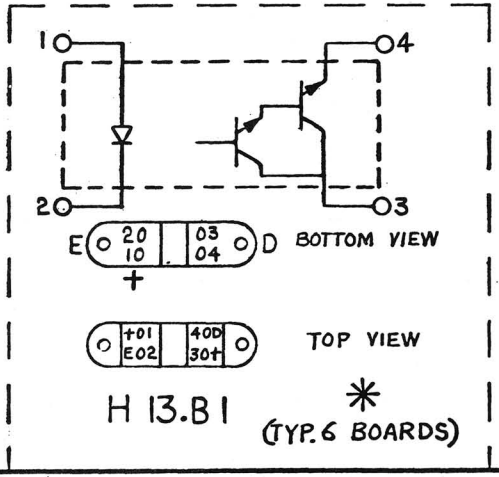
210-6511	B	6511-1	3
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.

DO NOT SCALE

NO.	REVISION	DATE	BY
1/0	REVISED PER RFA 0975. APP'D	5-20-74	M.F.
2/0	REVISED PER RFA #1101 APP'D	8-26-74	EBA
3/1	REVISED PER ECN #4322 APP'D	9-26-74	EBA







COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1	120Ω 1/4W	330-2012	1
H13.B1	PHOTO TSTR	375-2103	1

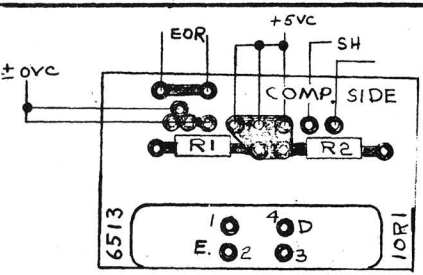
E.REV. 1

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

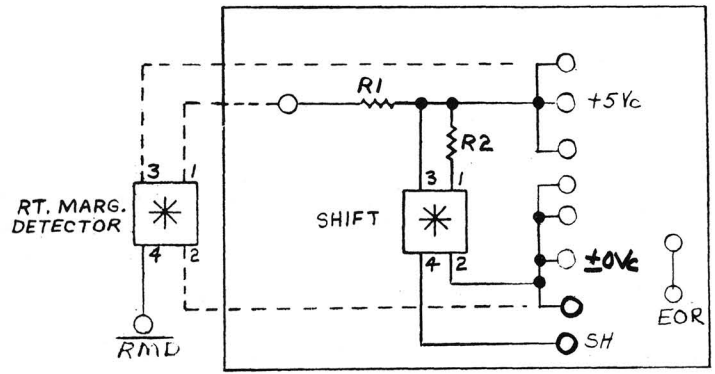
MODEL NO.	DRAWN	12-10-73	APPD	5-21-74
1222	CHECKED		APPD	

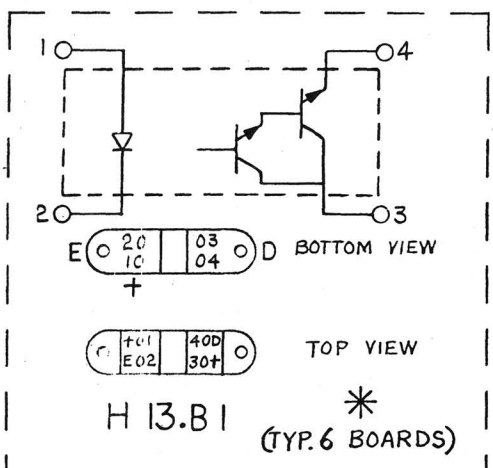
TITLE: SCHEMATIC LOGIBLOC # 6512
HOME POSITION

W.O. NO.	SCALE	DWG. NO.	REV
		A 6512-1	3



COMPONENT LAYOUT





COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1, R2	120Ω ¼W	330-2012	2
H13.B1	PHOTO TSTR.	375-2103	1

E.REV. 1

REV	
RA	
1	2-24-75
R2	REVISED PER ECN # 4361 R. Rubin
1/1	
EBA	
9-4-74	
1/1	REVISED PER ECN#4353 APP'D: STW

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

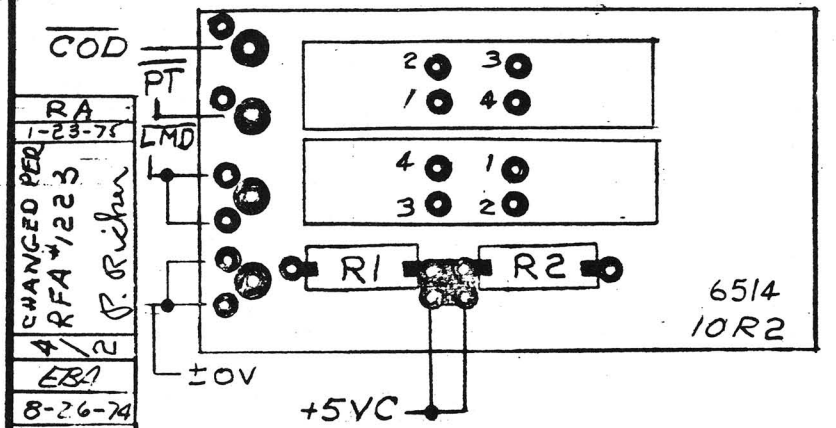
MODEL NO.	DRAWN		APPD	
1222	CHECKED		APPD	5-20-74

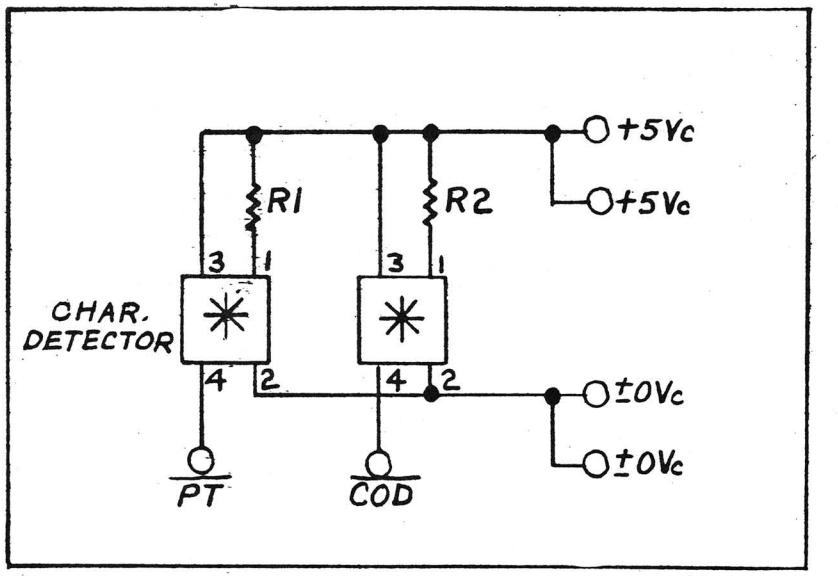
TITLE: SCHEMATIC LOGIBLOC #6513 SHIFT CIRCUIT

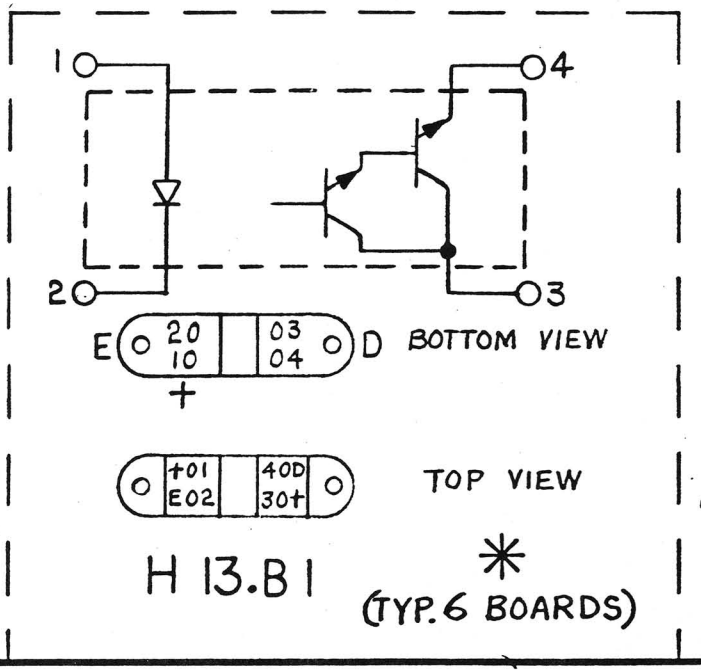
W.O. NO.	SCALE	DWG. NO.	REV
		A 6513	2

DO NOT SCALE

COMPONENT LAYOUT







COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1, R2	120Ω 1/4W	330-2012	2
H13.B1	PHOTO TSTR.	375-2103	2

JAN 31 1975

CHANGED PER			
1/0	RFA-0973	APP'D:	
5-20-74	BR		
2/0	CHANGED PER RFA-1100	APP'D:	
8-20-74	BK		
3/1	REVISED PER ECN 4322	APP'D	
8-26-74	EBA		
4/2	CHANGED PER RFA#1223	P. Richin	
1-23-75	RA		

E.REV. 1

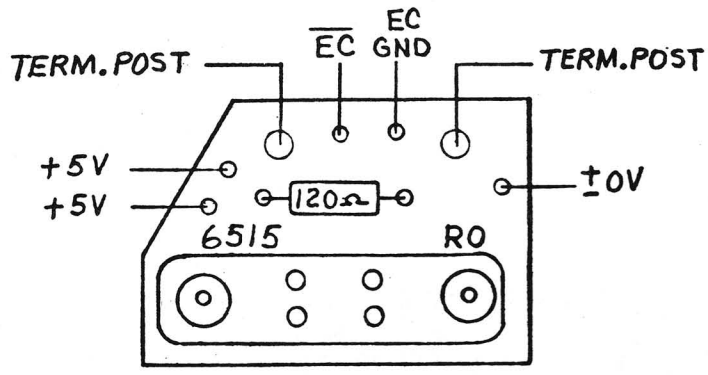
WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

MODEL NO.	DRAWN	12-7-73	APPD	5-20-74
1222	CHECKED	1-21-75	APPD	

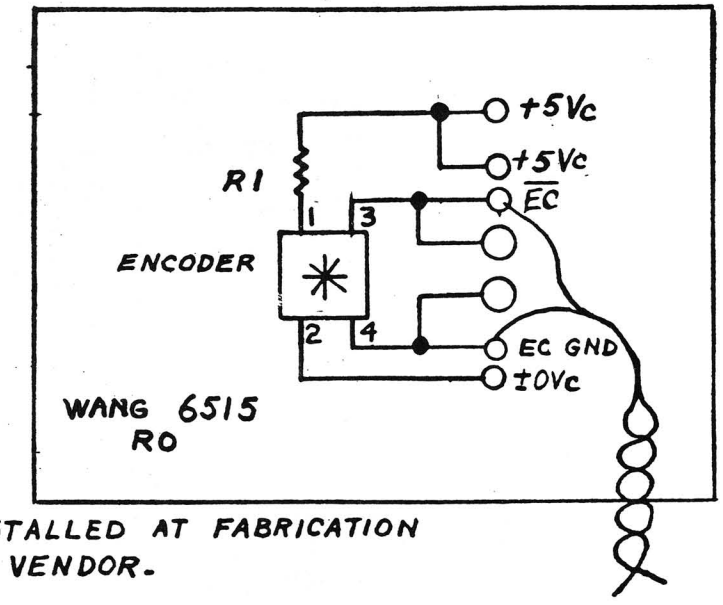
TITLE: SCHEMATIC LOGIBLOC # 6514 CHARACTER DETECTOR

W.O. NO.	SCALE	DWG. NO.	REV
		A 6514	4

DO NOT SCALE



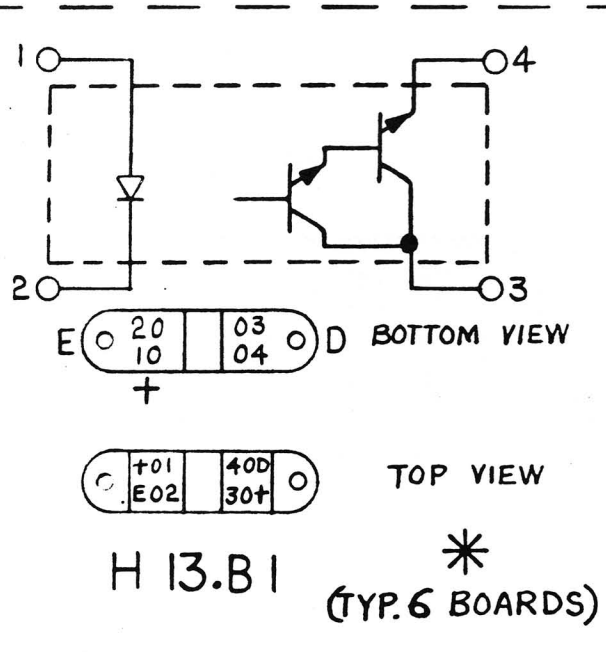
COMPONENT LAYOUT



NOTE: INSTALLED AT FABRICATION BY VENDOR.

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
TERMINAL POST	CAMBION 1512-2	SEE NOTE	2
H13.B1	PHOTO TSTR.	375-2103-4	1
R1	120Ω 1/4W	330-2012	1

E.REV. 1



REV	DESCRIPTION	BY	DATE
0/	CHANGED PER RFA-0972 APP'D:	GR	5-20-74
1/1	REVISED PER ECN-4351 APP'D:	EBA	9-4-74
2/1	REVISED: PER E.C.N. #4936 APP'D. P. Richer	F.S.S.	12-20-74

WLI # 210-6515

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

MODEL NO.	DRAWN		APPD	
1222	GK	12-7-73	DKV	5-24-74
	CHECKED	12-23-74	APPD	

TITLE: SCHEMATIC LOGIBLOC # 6515 ENCODER CIRCUIT

W.O. NO.	SCALE	DWG. NO.	REV
		A 6515	2

Sheet 4 of 5

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DO NOT SCALE

HOLE LEGEND		
	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES	.0135 to .125	±.003
	.126 to .250	±.004
	.251 to .500	±.005

SYMBOL	DESCRIPTION	QTY.
A		

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

CONN. 1

PA1	A1	B1	
+5VR	A2	B2	
±0V	A3	B3	
-.7V	A4	B4	FB1
PA0	A5	B5	RI1
TO1	A6	B6	TI1
TB0	A7	B7	-12V
RO1	A8	B8	+12V
EC	A9	B9	CR/LF
BK SPT	A10	B10	RIB
SPT	A11	B11	SN
TABT	A12	B12	STAB
LMS	A13	B13	CPT
LMR	A14	B14	PT

CONN. 2

KBLK	A1	B1	CF
RI2	A2	B2	TB2
LPG	A3	B3	RI3
TB3	A4	B4	TBI3
TDI1	A5	B5	RESK
RES	A6	B6	SFF
SPT0	A7	B7	CK5
BI1	A8	B8	BI0
PT1	A9	B9	BI2
SNT3	A10	B10	SKP
TDI0	A11	B11	CR/LF0
STP0	A12	B12	TA0
CPT0	A13	B13	BS0
½REV	A14	B14	CTP2
TAB1	A15	B15	STAB2

CONN. 3

SPT2	A1	B1	LSK
CR/LF2	A2	B2	½ FOR
	A3	B3	EXP
CN	A4	B4	AU
AU	A5	B5	LI
PA	A6	B6	WO
SKP	A7	B7	RES6
D30	A8	B8	CK1256
DATA2	A9	B9	DATA1
CLR	A10	B10	EC2
RES62	A11	B11	PRIME
DATA4	A12	B12	DATA3
	A13	B13	±0V
	A14	B14	+5VR
	A15	B15	CLK PG

CONN. SIDE — WIRING SIDE

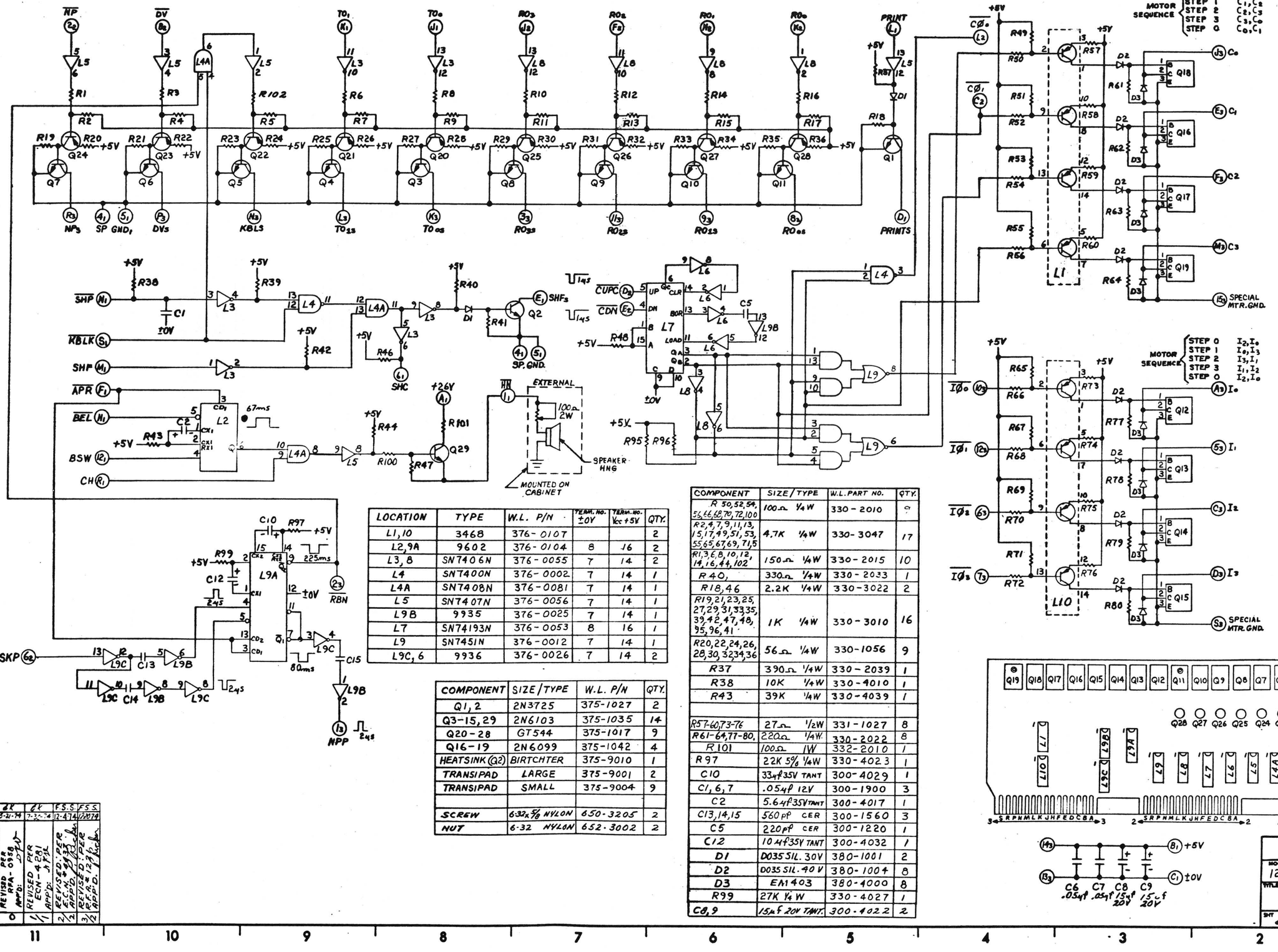
COMPONENT	W.L. NO.
R1,4,10,13,22,25,28,31, 34,37,40	330-3027
R9,21,51,57	330-3022
R2,5,11,14,23,26,29,32, 35,38,41	330-2056
R58,66,67	330-3010
R3,6,12,15,24,27,30,33,36, 39,42,61	330-3068
R7	330-4023
R8	330-4049
R16,17,18,19,20,48,49,52,53, 54,55,65	330-4010
R46	330-4027
R50	330-3082
R56	330-2022
R59	330-4093
R60	330-3047
R62	330-5010
R63	330-4012
R64	330-4082
C1,2,5,7,8,11,16,18,20,24,25,51, 53,54,55,56,57,58,59,60,61,64	300-1903
C3,4	300-4025
C6,29	300-1906
C8,9	300-1820
C10,11,12,13,14,27,32,34,35,36,44	300-1470
C15,30,42	300-1913
C23,28,33,45,46,47,48,49,50	300-1580
C26	300-4032
C31	300-1901
C37,39,41,62,63	300-4022
C38,40	300-1904
C43	300-1010
C61	300-1820
D1,2,3,4,6,7,9-46	380-1001
D5,47	380-1004
D8	380-0086

I.C. LOCATION	TERM. FOR ±0V	TERM. FOR VCC +5VR	W.L. NO.
L1,2,3,5,10,11,30	1	8	376-0061
L4,15	8	16	376-0104
L6,8,13,27	7	14	376-0025
L7	7	14	376-0002
L9	8	16	376-0119
L12,28	7	14	376-0139
L14	7	14	376-0003
L16,18,20,23	7	14	376-0010
L17	8	16	376-0082
L19	8	16	376-0092
L21,26	7	14	376-0081
L22	PIN 4 -V	PIN 7 +V	376-0166
L25	7	14	376-0082
L26	8	16	376-0041
L29	12	5	376-0066

REVISION	BY	DATE	APPROVED
A	CHANGED PER RFA 0970 & RFA 0970 A	J.R. 5-28-74	J.K. 6-14-74
B	CHANGED PER RFA-0970 B	J.R. 6-14-74	J.K. 6-14-74
C	CHANGED PER RFA-0970 C	J.R. 6-24-74	J.K. 6-24-74
D	REVISED PER E.C. 4435	G.S.S. 9-23-74	F.F.S. 9-24-74
E	ADDED PER E.C. 4445	G.S.S. 10-2-74	F.F.S. 10-2-74

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
Qty. per Unit / First Used On / Assy Used On			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY: F.S.S. 4-25-74	DATE / APPROVED BY / DATE
				DWN	E ENGR
				CHK	M ENGR
				E.C. CONTROL	MFG ENGR
MATERIAL			MODEL NO. 1222	TITLE: SCHEMATIC LOGIBLOC #6516 TYPEWRITER INPUT CIRCUIT	
			SEE PHYSICAL SPECIFICATIONS		
FINISH			TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1/2° FINISH	E	6516-1 / 3
			SCALE / SHT 1 OF 1	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV.	

E. REV. 3



LOCATION	TYPE	W.L. P/N	TERM. NO. ±0V	TERM. NO. Vcc +5V	QTY.
L1,10	3468	376-0107			2
L2,9A	9602	376-0104	8	16	2
L3,8	SN7406N	376-0055	7	14	2
L4	SN7400N	376-0002	7	14	1
L4A	SN7408N	376-0081	7	14	1
L5	SN7407N	376-0056	7	14	1
L9B	9935	376-0025	7	14	1
L7	SN74193N	376-0053	8	16	1
L9	SN7451N	376-0012	7	14	1
L9C,6	9936	376-0026	7	14	2

COMPONENT	SIZE/TYPE	W.L. P/N	QTY.
Q1,2	2N3725	375-1027	2
Q3-15,29	2N6103	375-1035	14
Q20-28	GT544	375-1017	9
Q16-19	2N6099	375-1042	4
HEATSINK (Q2)	BIRTCHTER	375-9010	1
TRANSIPAD	LARGE	375-9001	2
TRANSIPAD	SMALL	375-9004	9
SCREW	6-32 x 5/8 NYLON	650-3205	2
NUT	6-32 NYLON	652-3002	2

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R 50,52,54, 56,66,68,70,72,100	100Ω 1/4W	330-2010	9
R2,4,7,9,11,13, 15,17,49,51,53, 55,65,67,69,71,5	4.7K 1/4W	330-3047	17
R1,3,6,8,10,12, 14,16,44,102'	150Ω 1/4W	330-2015	10
R40,	330Ω 1/4W	330-2033	1
R18,46	2.2K 1/4W	330-3022	2
R19,21,23,25, 27,29,31,33,35, 39,42,47,48, 95,96,41	1K 1/4W	330-3010	16
R20,22,24,26, 28,30,32,34,36	56Ω 1/4W	330-1056	9
R37	390Ω 1/4W	330-2039	1
R38	10K 1/4W	330-4010	1
R43	39K 1/4W	330-4039	1
R57-60,73-76	27Ω 1/2W	331-1027	8
R61-64,77-80,	220Ω 1/4W	330-2022	8
R101	100Ω 1W	332-2010	1
R97	22K 5% 1/4W	330-4023	1
C10	33μf 35V TANT	300-4029	1
C1,6,7	.05μf 12V	300-1900	3
C2	5.6μf 35V TANT	300-4017	1
C13,14,15	560 pf CER	300-1560	3
C5	220 pf CER	300-1220	1
C12	10μf 35V TANT	300-4032	1
D1	D035SIL. 30V	380-1001	2
D2	D035SIL. 40V	380-1004	8
D3	EM1403	380-4000	8
R99	27K 1/4W	330-4027	1
C8,9	15μf 20V TANT.	300-4022	2

C6 .05μf, C7 .05μf, C8 15μf 20V, C9 15μf 20V

REV	BY	DATE	F.S.S.	F.S.S.
0	REVISED PER RPA-0958 APP'D:	5-21-74	12-4-74	12-20-74
1/1	REVISED PER ECN-4281 APP'D:	7-30-74	REVISED: PER E.C.N. #4337 APP'D:	
2/2			REVISED: PER RPA-1296 APP'D:	
3/2				

WANG LABORATORIES INC. TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.	
1222	BK 12-20-73		5-22-74
	CHECKED	APP.	
	12-6-74		

TITLE: SCHEMATIC LOGIBLOC 6517 DRIVING CIRCUIT

SHT 4 OF 5 | DWG. NO. D 6517 | REV 3

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DO NOT SCALE

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE	.0135 to .125	± .003
TOLERANCES	.126 to .350	± .005
	.351 to .500	± .007

IDENT.	DESCRIPTION	QTY.
A	-	-

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

CONN. 1

+5V	A 1	+5V
±0V	B 2	
	C 3	
	D 4	COD
	E 5	EMC
RMD	F 6	
	H 7	CJ
IM	J 8	CJ
LMD	K 9	
CLR	L 10	
	M 11	
	N 12	
	P 13	CLK/PG
CØo	R 14	P.T
L/S	S 15	

CONN. 2

DATA 4	A 1	CM RESET
DATA 3	B 2	
DATA 2	C 3	
DATA 1	D 4	
CDN	E 5	
CUPC	F 6	
IØe	H 7	
DC	J 8	
APR	K 9	RBC
	L 10	
EC1	M 11	
IØ1	N 12	
IØ3	P 13	CM
IØ2	R 14	
	S 15	

CONN 3

	A 1	
	B 2	
	C 3	
	D 4	
	E 5	
	F 6	
IN1	H 7	
IN2	J 8	
	K 9	
	L 10	
	M 11	
	N 12	-10V
	P 13	±0V
	R 14	+5V
	S 15	

COMP. SIDE — WIRING SIDE

ALL RESISTORS ¼ W ±5% UNLESS SPECIFIED OTHERWISE

					LOCATION
	-4			6518 PC BOARD	
	1	510-6518			
4	4	377-0009		1702 PROG. ROM	L10-13
	1	-0205		4502-1 RAM IC	L21
	1	-0206		4504 CPU IC	L22
	1	-0207		4509 INTER IC	L9
	1	377-0208		4508 INTER IC	L24
	3	376-0002		7400 IC	L1,25,35
	1	-0003		7410	L33
	2	-0008		7420	L18
	6	-0010		7404	L12,20,27,36
	2	-0011		7493	L2,34
	1	-0016		7402	L7
	2	376-0022		9334 IC	L32,33
	1	376-0025		9322 IC	L19
	1	-0051		74153	L4,31
	1	-0053		74195	L5
	2	-0061		SP380A	L14,28
	1	-0078		8T09	L17
	2	-0081		7438	L6,15
	2	-0082		74153	L4,31
	1	-0104		9602	L16
	1	-0114		MC1536	L37
	1	376-0115		4=0034 IC	L36
	6	376-9003		24 PIN SOCKET	
	2	376-9002		16 PIN SOCKET	L22,23
	1	321-0028		10 MC OSCILLATOR	
	1	380-1004		0035 SIL DIODE 30V	
	1	380-1014		6332 SIL DIODE 40V	
		5%-1225		.1 mf CER	C4,10,11
	1	1% 1250		.1 mf CER	C16
	2	1% 1850		.47 mf CER	C5,6
	2	1% 1900		.1 mf 10% CER (22 pf AS ADJUSTED)	
	1	1% 1901		.1 mf 10% CER	C30
	3	4=1.5		15 mf 20V TANT.	C1,25,26
	1	2243		3.3 mf 35V TANT.	C9
	1	1926		.1 mf 10% 100V CER	C29
	1	1927		.22 mf 10% 50V CER	C28
	1	300-4027		2.2 mf 35V SOLID TANT	C24
	1	336-1007		25K TRIM POT	R17
	1	330-2018		180 Ω ¼W	R9
	2	-2122		220 Ω ¼W	R8,10
	4	-2047		470 Ω ¼W	R11,12,13,14
	8	-3010		1 K ¼W	R2,4-6,15,16,19
	11	-3028		1.8 K ¼W	R7
	31	-3068		6.8 K ¼W	R20,27,31
	2	-4516		8 K ¼W	R18,32
	1	330-4023		20 K ¼W 5%	R3
	5	330-3027		2.7 K ¼W	R20,21,22,27,31
	3	330-8046		560 Ω ¼W	R24,25,27

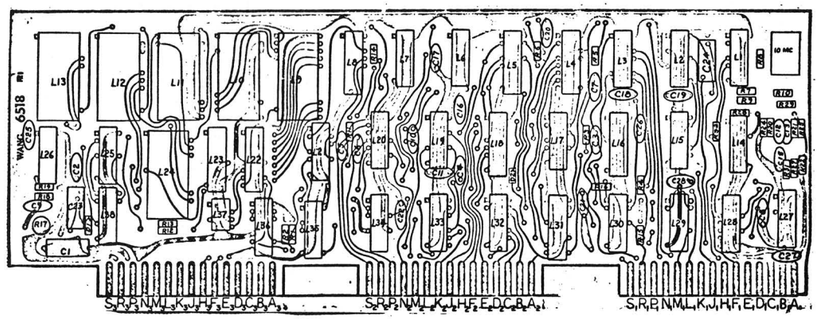
E 6518-1 SCHEMATIC

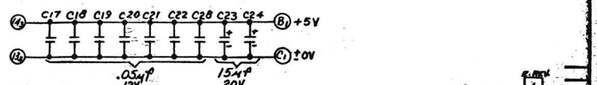
LOADING CHART FOR L10, 11, 12 & 13

			LOCATION
-4			
1	378-0305-R	1702	L10
1	378-0304-R	1702	L11
1	378-0303	1702	L12
1	378-0302	1702	L13

LOCATION	TERM. NO. ±0V	TERM. NO. Vcc +5V
L1,20,21,27,30,38	7	14
L2,34	10	5
L3,25,35	7	14
L4,31	8	16
L5	8	16
L6,15	7	14
L7	7	14
L8,18	8	16
L9		
L10,11,12,13		12
L14,28	1	8
L16	8	16
L17	7	14
L19	7	14
L22	5	
L23	6	
L24		
L26	7	14
L29	7	14
L32,33	7	14
L36	7	14
L37	3	6
24 PIN SOCKET		

COMPONENT LAYOUT





REV	DESCRIPTION	BY	DATE
A	CHANGED PER RFA-0681 APPD. PTC	AK	5-14-74
B	CHANGED PIN NUMBERS ON L10-13 PER RFA-0976 APPD. PTC	AK	5-20-74
C	REVISED PER RFA 0988 ADDED C27 APPD. PTC	AK	6-26-74
D	REVISED PER RFA 1034 CHANGED R20-22 FROM 2.7K TO 6.8K 1K & 560Ω TO 2.7K & 560Ω APPD. PTC	AK	7-24-74
E	REVISED PER RFA 1125 ADDED C28 APPD. PTC	AK	8-26-74
F	REVISED PER RFA 1254 ADDED C29 APPD. PTC	FS	2-5-75
G	REVISED PER RFA 1316 ADDED C30 APPD. PTC	FS	3-5-75
H	REVISED PER RFA 1345 APPD. PTC	FS	3-19-75
J	REVISED PER RFA 1265 APPD. PTC	DAC	12-3-75

WANG PART NO.	ITEM	QTY.	NAME
Qty. per	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

FINISH

MODEL NO. 1222

SEE ENGNG SPECIFICATIONS No.

TOL. EX. AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG. ± 1°30' FINISH √

SCALE — SHT — OF

MATERIAL	DESCRIPTION		
BY	DATE	APPROVED BY	DATE
DWN		E ENGR.	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

TITLE: SCHEMATIC LOGIBLOC MICRO PROCESSOR

210-6518 — WANG PART NUMBER — SIZE E — 6518-1 DRAWING NUMBER — REV 5

E 6518-1

DO NOT SCALE

LOCATION	TYPE	W.L. No.	PIN No. −10V	PIN No. +5VR V_{CC}	QTY
L1,2,3,4,15,24	9930	376-0022	7	14	6
L5, 19	SN7410N	376-0003	7	14	2
L6,16,20,22,22A,29	SN7404N	376-0010	7	14	6
L7,8,9,11,14,18,27	SN7400N	376-0002	7	14	7
L10,26	SN7473N	376-0005	11	4	2
L12	9936	376-0026	7	14	1
L13,17	9314	376-0108	8	16	2
L20, L1A	9935	376-0025	7	14	2
L23	SN7402N	376-0016	7	14	1
L25,28	SN7408N	376-0081	7	14	2
L30	SN7406N	376-0055	7	14	1
L31,23A	SN7419N	376-0139	7	16	2
L11A	3P3804	376-0061	4	8	1

COMPONENT	SIZE/TYPE	W.L. No.	QTY
R1,2,3,4,5,6,7, 8,9,15	10K ¼W	330-4010	10
R18,19	560Ω ¼W	330-2056	2
R13,14	2.2K ¼W	330-3022	2
R20,21	6.8K ¼W	330-3068	2
C1,2,3,4,5,6,9	470 PF CER	300-1470	7
C7,8,9,10,11,23,24	560 PF CER	300-1560	7
C12,18	15 MF 20V TANT	300-4022	2
C13,14,15,16,17,21	.05 MF CER.	300-1900	6
C20,22	.01 MF CER	300-1903	2
R10,11,12	220Ω ¼W	330-2022	3
D1,2,3,4,5,6,7,8, 9,10,11,12,13,14, 15,16,17,18,19,20, 21,22,23,24,25	DIODE SIL.	380-1001-48	25
R16,17	2.7K ¼W	330-3027	2

COMPONENT LAYOUT

6519 R2

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

CONN. 1: KB2 PT2 TB1 PRIME KB0 BSW BELSW KB1 TB3 — +5VR −10V MOP14 MOP13 TBI3 TB2 ĪK IDI1x SFF KB3

CONN. 2: SPT2 STAB2 CRI CF TAB2 KA0 KA3 SKPG MOP11 BI0 KBP — TA1 LPG CR/LF2 TA TB0 SKP SKP CIND KA2 KBLK THD KA1 SHT3 CK5 RC

CONN. 3: PRINT RBC DIN0 RBK IN2 IN1 NPP RBN SAK CD SK MEMO −10V +5VR FOR — R/B DIN1 KAP SKL CDL SHL LSK REV L/R IDX NP −.7V

WIRING SIDE / COMP SIDE

REVISION	M.F	F.S.S	F.S.S
A REVISED PER ECN #0057 APP'D	5-17-74	5-14-74	5-23-74
B REVISED: PAR. REF. 005570 ADDED	6-18-74	6-19-74	6-24-74
C REVISED PER ECN #0435 1 APP'D	8-19-74	9-5-74	9-13-74
1 REVISED PER ECN #0431 1 APP'D			
2 REVISED: PER ECN #0435 1 APP'D			
3 REVISED PER ECA #1134 ADDED			

E. REV. 2

WANG LABORATORIES INC. TEWKSBURY, MASS.

MODEL NO. 1222 — DRAWN 12-27-73 — APP. — CHECKED 12-29-74 — APP.

TITLE: SCHEMATIC, LOGIBLOC 6519 INPUT DECODING

SHT 4 OF 5 — SIZE D — DWG. NO. 6519 — REV. 3

DO NOT SCALE

LOCATION	TYPE	WL L. NO.	PIN NO. ±0V	PIN NO. V_{CC} +5VR	QTY
L1	SN7401N	376-0003	7	14	1
L2, 32	SN7404N	376-0010	7	14	2
L3, 28, 29	SN7408N	376-0081	7	14	3
L4, 13, 16, 23, 27	SN7400N	376-0002	7	14	5
L5, 6	SN7495N	376-0039	7	14	2
L7, 22	9330	376-0022	7	14	2
L8, 9, 10, 11	SN7490N	376-0073	10	5	4
L12	SN7473N	376-0005	11	4	1
L14, 24	3602	376-0104	8	16	2
L15	SN74193N	376-0053	8	16	1
L17, 18, 20, 21	SN7442N	376-0008	8	16	4
L19, 30, 31	SN7432N	376-0033	7	14	3
L25, 33	SN7402N	376-0016	7	14	2
L26	9314	376-0108	8	16	1
L34	9333	376-0025	7	14	1

PULSE WIDTH CHART

RBK PIN J_1	
PRINT	20MS
SPACE	38.4µS
BACKSPACE	80.4µS
TAB	20MS
CR/LF	95MS
SHIFT	70MS
SET TAB	20MS
CLEAR TAB	20MS
INDEX	95MS
½ INDEX FOR	70MS
½ INDEX REV.	70MS

COMPONENT	SIZE/TYPE	W.L. No.	QTY
R1	22K ¼ W	330-4022	1
R2, 11	10K ½ W	330-4010	2
R3	8.2K 5% ½ W	330-3083	1
R4	22K 5% ½ W	330-4023	1
R5, 9, 10	1K ½ W	330-3010	3
R6	15K 5% ½ W	330-4015	1
R7	15K 5% ½ W	330-4016	1
C1	33 MFD 5% TANT	300-4082	1
C2	10 MF 5% TANT	300-4041	1
C3	2.2 MFD 5% TANT	300-4023	1
C4	5.6 MF 5% TANT	300-4025	1
C5	.002 MF CER	300-1913	1
CC, 17	15 MF 20V TANT	300-4022	2
C7, 8, 9, 10, M, 12, 13, 14, 15, 16	.05 MF CER	300-1900	10
D1, 2, 3, 4, 5	DIODE SIL	380-1001	5
C18	220 PF CER	300-1820	1
C19	.01 MF CER	300-1903	1

SIGNAL – TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN. 9

	A 1	B 2	FRAME
+5VR	C 3	D 4	$\overline{BV}$
±0V	C 3	D 4	$\overline{APR}$
BI_0	D 4	E 5	
$\overline{NPT}$	E 5	F 6	
	F 6	H 7	
$\overline{RBK}$	H 7	J 8	
	J 8	K 9	
$\overline{KBLK}$	K 9	L 10	
T.P.	L 10	M 11	
MOP_0	M 11	N 12	
	P 13	R 14	
KK_2	R 14	S 15	

CONN. 2

	A 1	B 2	RD_3
	B 2	C 3	RD_2
KBN	C 3	D 4	RD_0
T.P.	D 4	E 5	RD_1
KAN	E 5	F 6	PRINT
	F 6	H 7	TD_0
CK_{1234}	H 7	J 8	TD_1
	J 8	K 9	
	K 9	L 10	
	L 10	M 11	
	M 11	N 12	
	N 12	P 13	
	P 13	R 14	$\overline{IDX_0}$
½ REV	R 14	S 15	SNF
T.P.	S 15		

CONN. 3

½ FOR	A 1	B 2	$\overline{STP_0}$
T.P.	B 2	C 3	$\overline{CTP_0}$
	C 3	D 4	$\overline{CR/LF_0}$
RS	D 4	E 5	$\overline{TAB_0}$
	E 5	F 6	$\overline{SPT_0}$
DC	F 6	H 7	$\overline{BS_0}$
CH	H 7	J 8	
$\overline{CIND}$	J 8	K 9	AU
$\overline{IND}$	K 9	L 10	T.P.
	L 10	M 11	$\overline{SKP_0}$
CL	M 11	N 12	$\overline{RES_0}$
$\overline{RES_{62}}$	N 12	P 13	30V
	P 13	R 14	+5VR
	R 14	S 15	

COMP. SIDE — SWING SIDE

NOTE;
1. FOR TEE CONNECTIONS SEE DWG. 7020

COMPONENT LAYOUT

6520 R2

JUMPERS

JUMPERS

REV	REVISION	BY	DATE
1/0	REVISED PER ECO 6020A APP'D STF	F.S.S	8-19-75
2/0	REVISED PER ECO 6018 APP'D	F.S.S	11-19-75
3/0	REVISED PER ECO 6013 APP'D STF	F.S.S	6-28-76

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 1222 — DRAWN — DATE 12-17-73 — APP'D — CHECKED — DATE 2-16-74 — APP'D

SCHEMATIC LOGIBLOC 6520
TYPEWRITER OUTPUT TIMING

210-6520 — SHT 4 OF 5 — DWG. NO. D 6520 — REV 6

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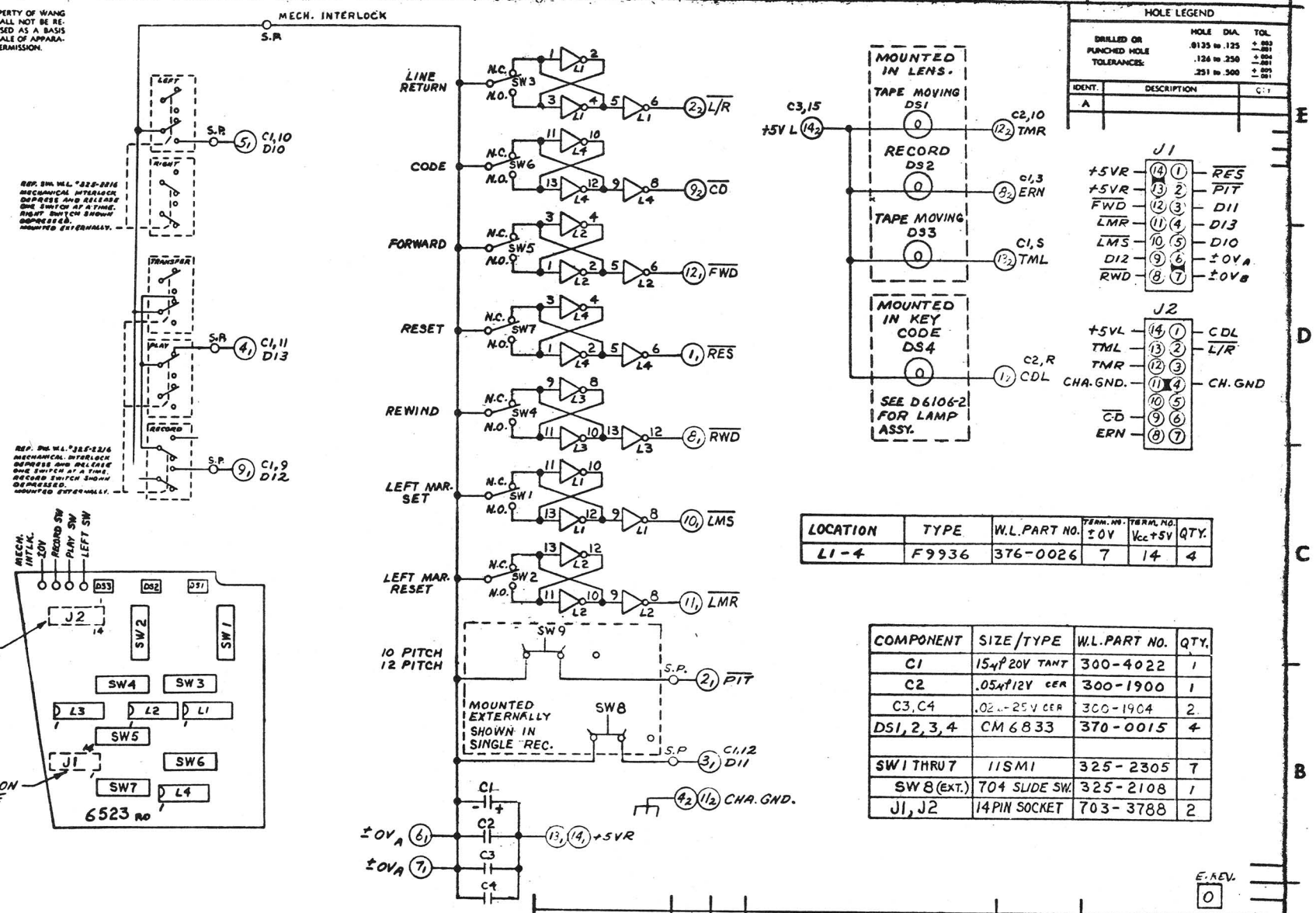

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	CHK
A		

LOCATION	TYPE	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc+5V	QTY.
L1-4	F9936	376-0026	7	14	4

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
C1	15μF 20V TANT	300-4022	1
C2	.05μF 12V CER	300-1900	1
C3, C4	.02 - 25V CER	300-1904	2
DS1, 2, 3, 4	CM 6833	370-0015	4
SW1 THRU 7	11SM1	325-2305	7
SW 8 (EXT.)	704 SLIDE SW.	325-2108	1
J1, J2	14 PIN SOCKET	703-3788	2

REVISION	BY	DATE
CHANGE PER ECN. M #212 AMP'D		6-6-74

E. REV. 0

WANG PART NO	ITEM	QTY.	NAME
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

Qty. Per Unit	FIRST USED ON	ASSY USED ON

MATERIAL

FINISH

MODEL NO. 1222

SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125

SCALE | SHT | OF

MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN J.K	1-3-74	E ENGR	
CHK		M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE SCHEMATIC LOGIBLOC # 6523
LEFT KEYBOARD FOR MODEL 1222

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
1-6523	C	6523-1	2

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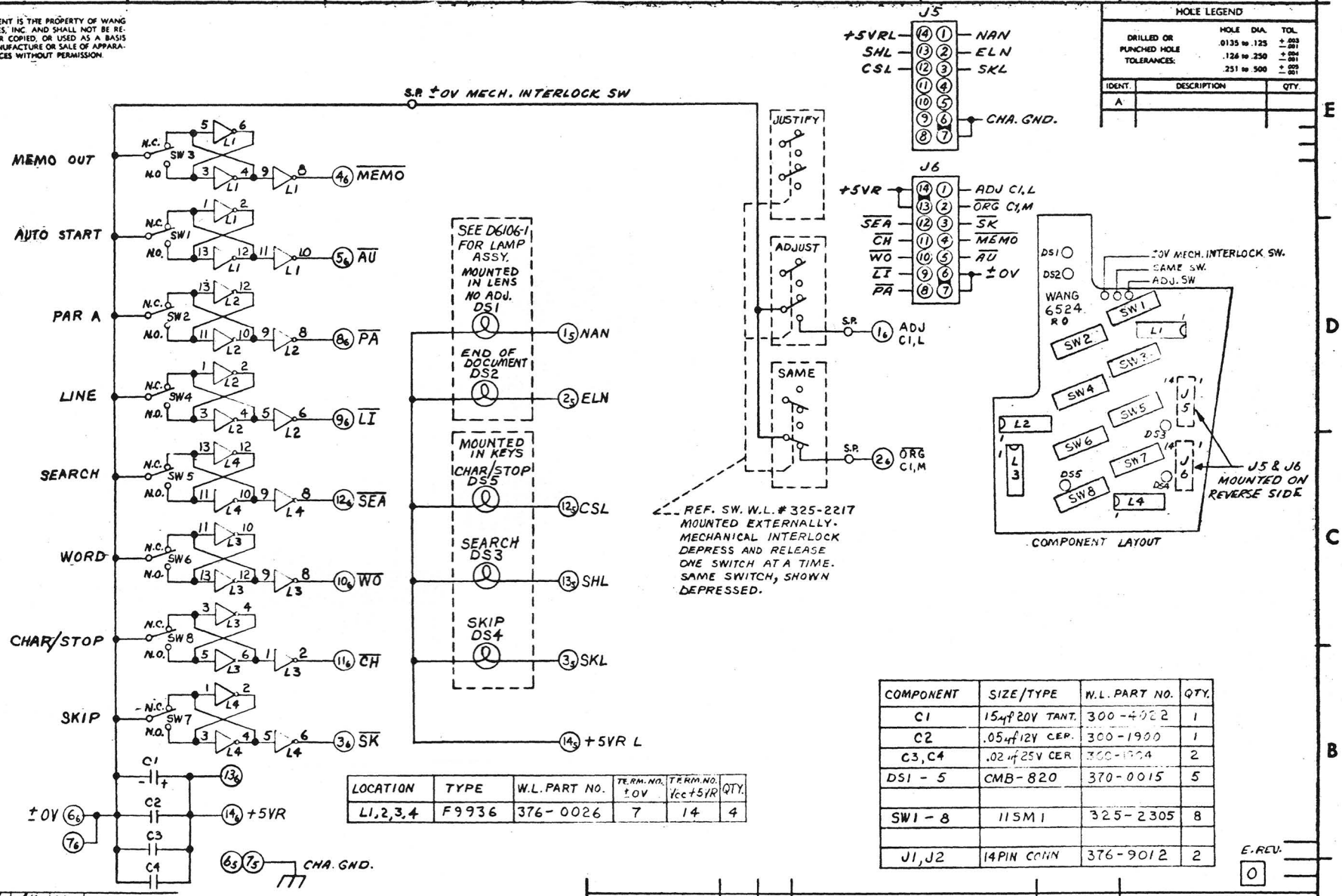

LOCATION	TYPE	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc +5VR	QTY.
L1,2,3,4	F9936	376-0026	7	14	4

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
C1	15μf 20V TANT.	300-4022	1
C2	.05μf 12V CER.	300-1900	1
C3,C4	.02 μf 25V CER	300-1904	2
DS1 - 5	CMB-820	370-0015	5
SW1 - 8	115M1	325-2305	8
J1,J2	14PIN CONN	376-9012	2

E.REV. 0

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL
	.0135 to .125	± .003 −.001
	.126 to .250	± .004 .001
	.251 to .500	± .005 .001

IDENT.	DESCRIPTION	QTY.
A		

REVISION	BY	DATE
A — CHANGED PER RFA-0754 APP'D:	AK	5-27-74
B — CHANGED PER RFA-0734 APP'D:	AK	5-7-74
1/0 — CHANGED PER 4212 E.C.A.# APP'D:	JK	6-6-74

WANG PART NO	ITEM	QTY	NAME
Qty. Per Unit / FIRST USED ON / ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

MODEL NO 1222

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED
.XX ± .010 FRAC ± 1/64
.XXX ± .005 ANG ± 1°30' FINISH 125

SCALE — SHT — OF

MATERIAL	DESCRIPTION			
BY	DATE	APPROVED BY	DATE
DWN GK	1-2-73	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

TITLE SCHEMATIC LOGIBLOC
RIGHT KEYBOARD FOR MODEL 1222

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
	C	6524-1	0

6524-1 C

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JUMPER

SOLDER POINTS

TYPEWRITER CABLE 6536

RAM 1

RAM 2

J1

J2

J3

J4

J5

J6

NOTE –
1. JUMPERS (7 PLACES) TO BE ADDED AFTER TESTING BOARD.
2. POWER SUPPLY SCHEMATIC EG460
3. FOR RS232 TELECOMMUNICATIONS 31-10 JUMPER TO CUP
   FOR REGULAR RS232 31-10 JUMPER TO +17V

LOADING CHART

NORMAL	TELECOM.
396 IN 8TH CON	6237
6519	6719
6520	6520-1

COMPONENT	W.L. PART NO.
R56	330-9022
R57	330-6010
R58, 59	330-6010
R60	330-3022
R61, 62	337-3010
C37, 38	300-3067
C39	300-2247
C40, 41	300-3019
C42, 43	300-3044
C44, 45	300-3053
D25, 26	380-4000
MDA 3704	380-4003
COMM. (36 PIN)	350-0011
J42 (36 PIN COMP)	350-0401B
J42 (COMM CONN)	350-0401C
J41 (ROM CABLE)	220-3008
J3 (LTD CABLE)	220-3005
J4 (LTD CABLE)	220-3003
J5 (RTD CABLE)	220-3004
J6 (RTD CABLE)	220-3005
I.C. PAD	376-9008
P.C. BD 6596	570-6596
SUB BD. 8033	659-0510
SUB BD. 8053	659-0511

REV	DATE	BY	DESCRIPTION
A	8/15/74		REVISED PER ECN 0182
B	10/15/74		REVISED PER ECN 0200
C	1/6/75		REVISED TEK ADD + 26.4V
D	2/3/75		REVISED TEK ADD + 26.4V
E	2/19/75		REVISED PER ECN 0220

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		

MATERIAL

MODEL NO. 1222

SEE SWBS SPECIFICATIONS No.

FINISH 1

TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
ANGS ± .005 AVG. 63 1/2" FINISH

SCALE — SHT 1 OF 6

BY	DATE	APPROVED BY	DATE
DWN	8/15/74	E ENGR	
CHK	8/15/74	M ENGR	
E C CONTROL		MFG ENGR	

TITLE SCHEMATIC MOTHER BOARD 6530

910-6530 | E | 6530 | 3 | E

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV.

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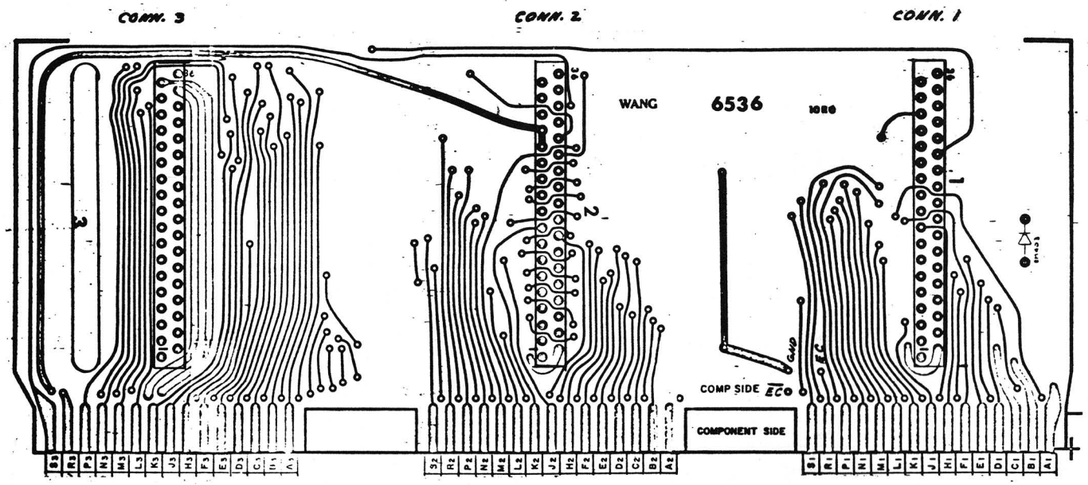
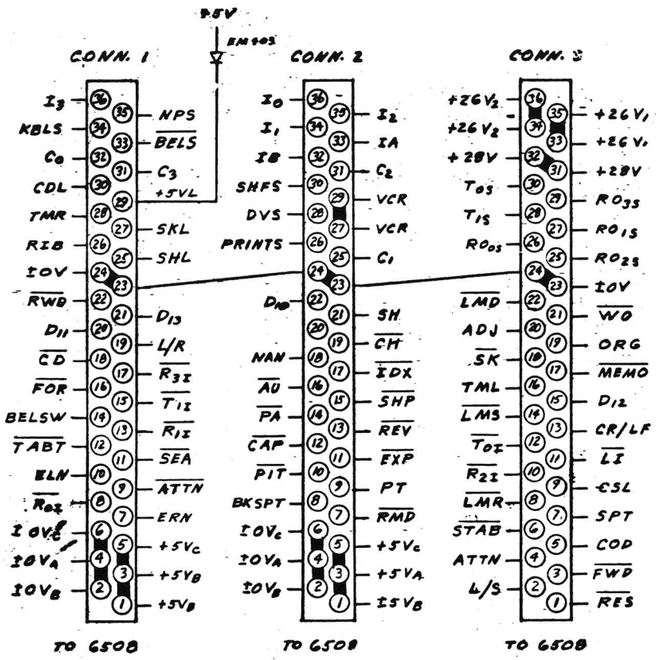
DO NOT SCALE

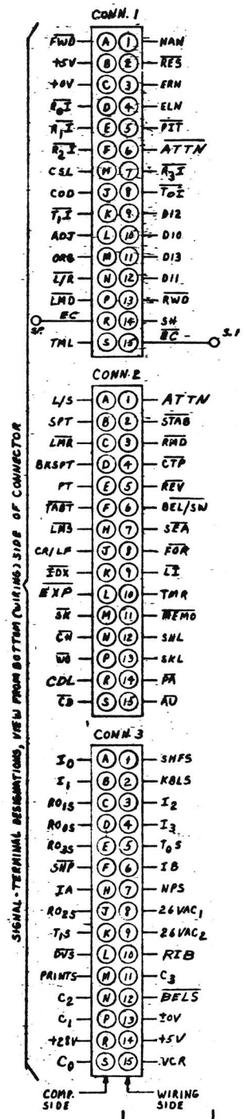
HOLE LEGEND

	HOLE	DIA	TOL
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to 125		± .003
	.126 to 250		± .004
	.251 to 500		± .005

IDENT.	DESCRIPTION	QTY
A		







WANG LABORATORIES INC. — PL 6536-4 — 0

ASSY P/N 210-6536 — SHEET 1 OF 1 — REV

MAIN HARNESS

PROJ ENG: [illegible] DATE: 3-8-74
QUAL: [illegible] DATE: 5-28-74
APPD: [illegible] DATE: 5-31-74
APPD: DATE:

TYPEWRITER INPUT CABLE BOARD

QTY PER DASH NO.	KEY	WANG PART NUMBER	WANG DRAWING NUMBER	NOMENCLATURE OR DESCRIPTION	ITEM NO.
	-4				
	1	510-6536 --		6536 P.C. BOARD	1
	1	380-4000		EM 403 RECTIFIER HIGH VOLTAGE	2
	3	350-0401-B		36 PIN FLAT CABLE CONN BOTTOM	3
					4
					5
					6
					7
					8
					9
	X		6536-1	SCHEMATIC	10

REVISION DESCRIPTION	DATE	APPROVED	REVISION DESCRIPTION	DATE	APPROVED
PREPRODUCTION WAS REV. 'A' PRODUCTION REV. '0'	5-28-74				

NOTES: 1. ASSIGNED ITEM - FOR PROCUREMENT OR PART NUMBER SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING. 2. P = PRINT, S = SCHEMA, M = MASTER

MODEL 1222

PL 6536-4

BY	M.F.	M.F.
REVISION	REVISED PER ECO 0122, MAD APP'D	REVISED PER ECO 0125, MAD APP'D DATE
NO.	A	B
	5-7-74	5-22-74

WANG PART NO.	ITEM	QTY	NAME
QTY PER USED	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

FINISH

MODEL NO. 1222

SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125

SCALE — SHT 1 OF 1

MATERIAL	DESCRIPTION

	BY	DATE	APPROVED BY	DATE
DWN	JB	3/26/74	E ENGR - FD	6-28-74
CHK			M ENGR	
E.C. CONTROL			MFG ENGR	

TITLE: TYPEWRITER INPUT CABLE BOARD 6566

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-6536	D	6536-1	0

D 6536-1

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DO NOT SCALE

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA	TOL
	.0135 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

IDENT.	DESCRIPTION	QTY
A		

COMPONENT	WL. PART NO
R1, 2, 3, 4	331-3010
R5 THRU 16	332-2068
R17, 18, 19, 20, 22, 24, 28, 30, 35, 36, 37	330-3047
R21	330-2010
R23	330-4039
R25	330-4015
R26, 27, 29, 33, 34	330-2047
R31	330-4033
R32	330-3010
·	
C1, 2, 3, 4	300-1900
C5, 6, 7	300-1915
C8	300-1909
C9	300-4016
C10	300-4017
C11, 12	300-1927
C13	300-1903
C14	300-4022
·	
DS1, DS2, DS3, DS4	370-0015
D1 THRU 9	380-1001
Q1	375-1017
Q1	375-9004
SW1, 3, 4, 5	325-2305
SW2, 6	325-0006
SW7	325-2110
J1	376-9001

LOC.	WL. PART NO	±0V	+5VR
L1	376-0126	1	8
L2	376-0104	8	16
L3, 7	376-0025	7	14
L4	376-0083	7	14
L5, 6	376-0002	7	14
L8	376-0061	1	8

CONN. 1

FWD	A1	
+5VR	B2	RESET
±0V	C3	
	D4	
	E5	12 PITCH
	F6	ATT
	H7	
COD	J8	
	K9	D12
ADJ	L10	D10
ORG	M11	D13
	N12	
LMD	P13	REWIND
	R14	
	S15	EC

CONN. 2

	A1	ATT
	B2	
	C3	RMD
	D4	
PT	E5	
	F6	
	G7	
	H8	
	J9	
IDX	K10	
	L11	
	M12	
	N13	
	P14	
	R15	
	S16	AU

CONN. 3

I0	A1	SHFS
I1	B2	
RO13	C3	I2
RO05	D4	I3
RO23	E5	TOS
	F6	IB
IA	H7	
RO33	J8	
T13	K9	
DVS	L10	
PRINT	M11	C3
C2	N12	
C1	P13	
+28V	R14	
C0	S15	VCR

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

COMP. SIDE — WIRING SIDE

E REV 0

REVISION	BY	DATE
REVISED PER ECA # 14599 APP: D Rich		2-9-73

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
QTY PER UNIT	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.

BY	DATE	APPROVED BY	DATE
DWN	2/7/73	E ENGR	
CHK	2/8/73	M ENGR	
E C CONTROL		MFG ENGR	

MATERIAL

MODEL NO 1222

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG. ± 1°30' FINISH 125

SCALE — SHT 4 OF 6

TITLE SCHEMATIC, LOGIBLOC SIMULATOR

210-6705 — WANG PART NUMBER

D — SIZE

6705 C — DRAWING NUMBER — REV

6705

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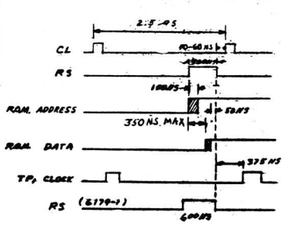
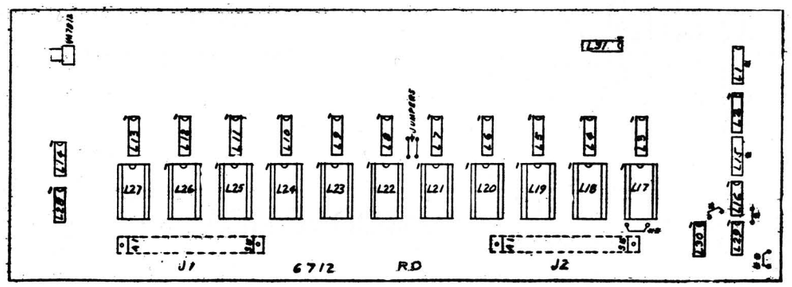
LOCATION	W.L. PART No.	-2.0V	+5VR
L2, 31	376-0179	8	16
L3 THRU 13	376-0183	8	16
L14,28,29,30, 16	376-0010	7	14
L17	377-0282	12	2
L18	377-0281	12	2
L19	377-0280	12	2
L20	377-0279	12	2
L21	377-0278	12	2
L22	377-0277	12	2
L23	377-0276	12	2
L24	377-0275	12	2
L25	377-0274	12	2
L26	377-0273	12	2
L27	377-0272	12	2
U1 THRU 27 Ea. SOCKET	376-9003		
* L1	376-0055	7	14
* L15	376-0025	7	14

COMPONENT	W.L. PART No.
R53	372-2033
* R1-44	330-4022
C1, 4, 6, 8, 13, 18	300-4022
C2	300-4008
C3	300-1918
C5,7,9-11,12,14,16-18	300-1906
* R45,47,49,52	330-3010
Q1	380-2189
* R46,48,50	330-2047
* UA 7812	378-0000
* R51	337-2033
J1,2 CONN.	380-0011
* D	380-1001-38

NOTE:
1. * DO NOT LOAD
2. * ALL DIODES ARE 380-1001
3. * LOAD ONLY WHEN DIODE PATCH OPTION IS USED
4. * * REMOVE JUMPERS WHEN DIODE PATCH IS USED





WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN		3/1/75	E ENGR.	4-24-75
CHK		4/1/75	M ENGR	
			I. C. CONTROL	
			MFG ENGR	

MATERIAL

FINISH

MODEL NO. 1200/1222

SEE ENGRG SPECIFICATIONS

TOL. ON ALL NOTED XX ± .010 FRAC. ± 1/64 XXX ± .005 ANG. ± 1° 30' FINISH 125

SCALE — SHT 1 OF 1

TITLE SCHEMATIC LOGIBLOC MOTOROLA M.O.M.

210-6712 | E | 6712 | 0

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

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DO NOT SCALE

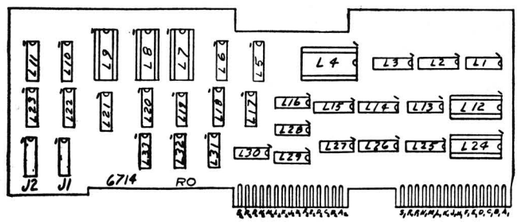
MULE LEGEND

	HOLE	DIA.	TOL
SMALLER THAN	0.135 in.	.125	±.002
RANGE HOLE	.136 in.	.250	±.003
TOLERANCES	.251 in.	.500	±.005

SHEET	DESCRIPTION	QTY
A		

I.C. LOCATION	W.L. PART NO	±0V	+5AVR	+5BVR
L1, 27	376-0059	7	14	
L2, 3, 14, 15	376-0138	8		16
L4				12
L5, 20, 21	376-0176	8		16
L6, 18	376-0082	8		16
L7, 8, 9, 12, 24	377-0308	8		22
L10, 11, 22, 23	376-0068	8		16
L13	376-0092	7		14
L16	376-0010	7	14	
L17	376-0002	7		14
L19	376-0093	7		14
L25, 26	376-0013	12	5	
L29	376-0012	7	14	
L30	376-0005	11	4	
L31	376-0081	7		14
L32, 33	376-0006	7		14
L7,8,9,12,24 SOCKET	376-9010			
L4 SOCKET	376-9003			12

COMPONENT	W.L. PART NO
R1 THRU 9	320-3010
R10	322-1082
D1	380-2130
C1, 8, 10, 12	300-4022
C2, 3, 4, 5, 6, 7, 9, 11	300-1904
J1, 2	376-9002
J1, 2	376-9008



PRODUCTION

E-REV O

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
			MATERIAL	DWN JA	4-9-71 / E ENGR
			MODEL NO 1222 SEE ENGG SPECIFICATIONS	CHK [illegible]	4-8-71 / M ENGR
				E C CONTROL	MFG ENGR
			FINISH	TITLE CRT R.A.M.	
			TOL EX AS NOTED XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH √	210-6714	E 6714 O
			SCALE	SHT 1 OF 6	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV

E	J.B	J.B	5-0
D THRU A	4-9-71	4-8-71	
DESIGNED PER ECO 2222			
DRAWN PER ECO 2222			
CHECKED PER ECO 2222			
RELEASED TO PROD. PER ECO 2222			

DIVISION

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DO NOT SCALE

HOLE LEGEND

SYMBOL OR PUNCHED HOLE	HOLE DIA.	TOL.
DRILLED HOLES TOLERANCES	.0135 to .129	± .003
	.130 to .250	± .005
	.251 to .500	± .007

IDENT.	DESCRIPTION	QTY
A		

L5, L6 - RAM ADDRESS COUNTERS

L5 74193 — L6 74193 — L11 74195 — L12 74195

L43 7483A — L33 7483A — L44 7483A — L34 7483A

L15 74157 — L24 74157

END ADJ. ZONE COMP. — BEG. ADJ. ZONE COMP.

DOT COUNTER — CHARACTOR COUNTER — LINE COUNTER

L38 7912 — L37 9314 — L28 74161 — L18 74161 — L29 74193 — L40 74161

L56 7442 — L64 7442 — L39 7442 — L75 7442

ROW COUNTER

TP1 TP2 TP3 TP13 TP19 TP20 TP28 TP29 TP30

BLANK — BLANK F/F — INTENSIFY — INTENSIFY CONTROL — ADS

VIDEO — SWITCH — NON-PRINT — PRINT — SEARCH

D CLOCK — 7C — 6C — 5C — 4C — 3C — 2C — 1C

LOAD AFTER TEST — 116 NS — 220 Ω — 8.60600 MHz XTAL

LOADED FOR 80 CYCLE ONLY JUMPER

R4, R8, R10 — LOADED FOR 80 CYCLE ONLY JUMPER

JUL 2 1975

E-REV. 0

REVISION	BY	DATE	APPROVED BY	DATE
A	DSC WIRING	7-7-75		
B	P.C. W. CHG	7-21-75		
C	REL TO PROD	8-1-75		

QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	T.E.	7/11/75	E ENGR	5-14-75
CHK		8/6/75	M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL

FINISH

MODEL NO. 222

SHEET 1 OF 3

TITLE SCHEMATIC, LOGIBLOC CRT SCAN BOARD

210-6715 | E | 6715 | 0

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

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DO NOT SCALE

HOLE LEGEND

SYMBOL	DESCRIPTION	QTY
A		

DRILLED OR PUNCHED HOLE TOLERANCES: HOLE DIA. .135 to .125 ±; .136 to .250 ±; .251 to .500 ±

CHARACTER GENERATOR

L40 74161 ±0V

L50 MCM6571L +5VA +12V -9.5V ±0V

L31 74298 # OF TABS - 1 # OF TABS - 2 # OF TABS - 4

L41 74298

L63 74161 LOAD

L74 7442

L85 7442

L36 7442

L55 74161

L46 7442

L69 74298

L68 74175

L80 CODE

UNDER SCORE

CURSOR

BLANK

INTENSIFY

L79 7427

L78 7410

L90 7404

L30 9935

L45 74195 LEARN ¢

L8 74195 END POINTER

L16 74195

L25 74195

L62 74195

L7 7442

L74 7404 STOP EJECT

L53 7485

L61 7485

L84 74175 CURSOR LATCH

L73 74175

L83 74195 CARRIER LATCH

L72 74195

L82 7483A

L71 7483A

L51 7402

L10 7430

L81 7408

74LS266

BEGINNING OF ADJUST ZONE LATCH

END OF ADJUST ZONE LATCH

CR1

TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24 TP25 TP26

SCHEMATIC SHEETS 4, 5 AND 6

JUL 2 1975

B-REV 0

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON			BY	DATE / APPROVED BY / DATE
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	DWN GAS	5/27/75 E ENGR JFB 6-12-75
			MATERIAL	CHK [illegible]	6/11/75 M ENGR
			MODEL NO 1222	E C CONTROL	MFG ENGR
			FINISH	SHEET 2 OF 3	TITLE SCHEMATIC, LOGIBLOC CRT SCAN BOARD
				210-6715	SIZE E DRAWING NUMBER 6715 REV 0

REVISION	BY	DATE	APPROVED
A	CHG WIRE TO BE PER 1975 REV	6-12-75	JFB

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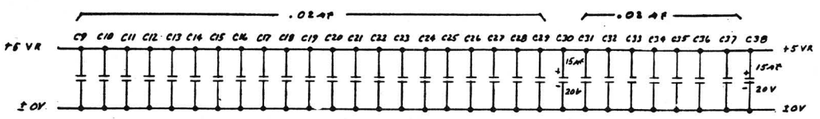
DO NOT SCALE

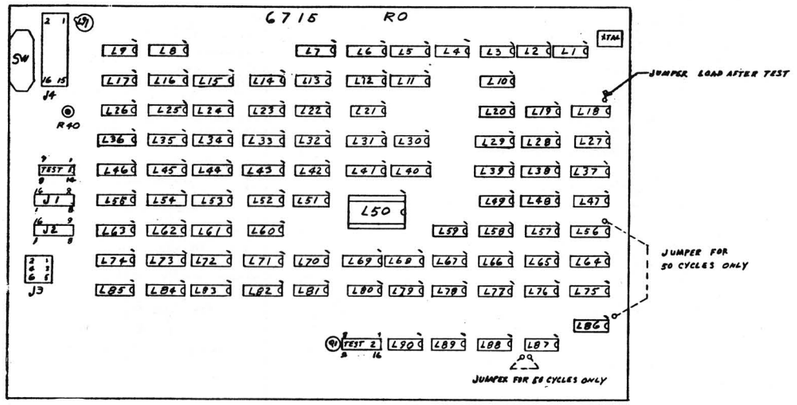
HOLE LEGEND

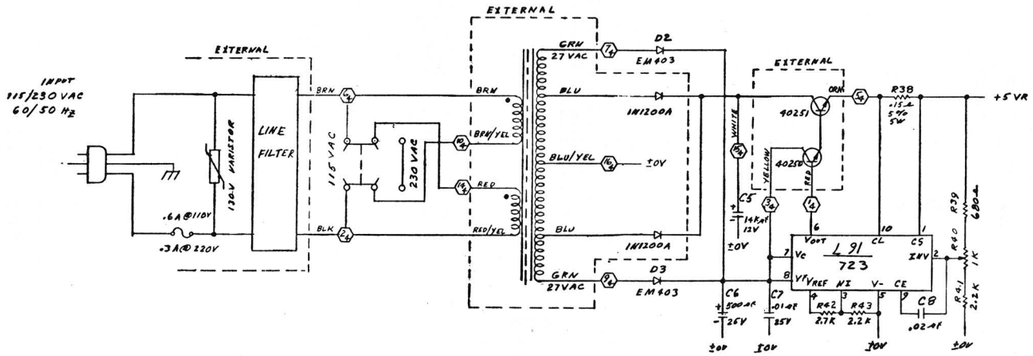
SYMBOL	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES	.0135 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

SYMBOL	DESCRIPTION	QTY.
A		

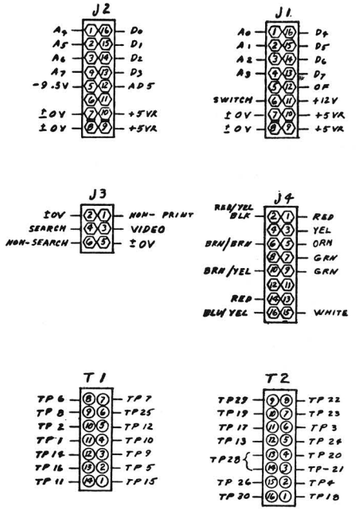


I.C. LOCATION	W.L. PART No.	±10V	+5VR
L1	376-0095	7	14
L2, 27, 59	376-0003	7	14
L3, 52, 53, 60, 67, 90	376-0010	7	14
L4, 9, 17, 21, 65, 77, 88	376-0002	7	14
L5, 6, 29	376-0053	8	14
L7, 36, 38, 39, 46, 64, 74, 75, 85	376-0008	8	14
L8, 11, 12, 14, 25, 35, 45, 56, 62, 72, 83	376-0097	8	14
L10, 42, 76, 86	376-0073	7	14
L13, 16, 22, 32, 42, 51, 70, 81	376-0198	7	14
L15, 24	376-0082	8	14
L18, 28, 48, 55, 54, 63	376-0096	8	14
L19, 49, 58	376-0004	7	14
L20, 23, 44, 87	376-0081	7	14
L26, 78	376-0016	7	14
L30	376-0035	7	14
L31, 41, 69	376-0138	8	14
L33, 34, 43, 44, 71, 82	376-0018	12	5
L37	376-0108	8	14
L40	376-0105	8	14
L50	377-0309	13	2
L53, 61	376-0087	8	14
L68 73, 84	376-0119	8	14
L79	376-0125	7	14
L80	376-0006	7	14
L89	376-0031	7	14
L91	376-0066		
L50 SOCKET	376-9003		





COMPONENT	W.L. PART NO
R12, 9 THRU 15, R28 THRU 33, 36, 37	330-3010
R3	331-2027
R6, 22, 23, 34	330-2036
R17	330-2033
R18, 35	330-2047
R19	331-1010
R20, 27	330-3018
R21	331-1056
R24, 26	330-2022
R25	330-2018
R30	334-0015
R31	330-2059
R40	331-1001
R41, 43	330-3022
R42	330-3027
C1, 3, 8 THRU 29, C31 THRU 37	380-1904
C2, 30, 38	300-4022
C4	300-1221
C5	300-3061
C6	300-3036
C7	300-1903
D4 THRU 25	380-1000
D1	380-2129
D2, 3	380-4000
Q1	375-1021
TRANSIPAD	375-9001
XTAL	321-0012
SWITCH (SLIDE)	325-2112
J1, J2, T2	376-9067
J3	659-1186
J4	659-1177
T1	376-9012



ZONE		SHT.
L1	C14, C11	1
L2	D9	1
L3	B11, F12, H11, C7	1
L4	J14, I12, H11, C11	1
L5	J13	1
L6	J12	1
L7	D14	2
L8	D14	2
L9	C14, G10	2
L10	J14, I13, D11	1
	G13	2
L11	I13	1
L12	I12	1
L13	H6	1
L14	D13	2
L15	I7	1
L16	D13	2
L17	J10, G9	2
L18	C11	1
L19	D10, C9	1
L20	I12, C9	1
	H9	2
L21	I11, G8, G7	1
	C13	2
L22	H7	1
L23	J10, I6	1
	A11, C4	2
L24	I6	1
L25	D12	2
L26	I11	1
	G10	2
L27	F12, C12	1
L28	C11	1
L29	C8	1
L30	J7, I7, C7	2
L31	J6	2
L32	H8	1
L33	J8	1
L34	J6	1
L35	D8	2
L36	G11	2
L37	D7	1
L38	E9	1
L39	C7	1
L40	K5	2
L41	I6	2
L42	H9	1
L43	J9	1
L44	J7	1
L45	D9	2
L46	G12	2

ZONE		SHT.
L47	D8, D7, C4	1
L48	B10	1
L49	C6, C7	1
L50	J6	2
L51	C11	2
L52	B7, B6	2
L53	C11	2
L54	D11	2
L55	G12	2
L56	D5	1
L57	B9, B10, D7, D5, D3	1
L58	I3	1
L59	F7	1
	J3	2
L60	B7, B6	2
L61	B10	2
L62	D10	2
L63	I13	2
L64	D4	1
L65	F13, F5	1
L66	B8, F6, D6, D3	1
L67	F7, I3	1
	G3	2
L68	G5	2
L69	H6	2
L70	B5	2
L71	C6	2
L72	E3	2
L73	E5	2
L74	I12	2
L75	E5	1
L76	E12, E8, F6, D6	1
L77	B10, F7, D3	1
	H5	2
L78	D6, B7	1
	H3	2
L79	B8	1
	H4	2
L80	H5	2
L81	B6	2
L82	D7	2
L83	E4	2
L84	E7	2
L85	H12	2
L86	F6	1
	G3	2
L87	D3	1
L88	C3	1
L89	C4	1
L90	C7, E4	1
	C7, H5	2

E-RAM 0

REVISION	BY	DATE
A	SG	12
ECO #	7-7-77	4-11-78
PCA # 1757		
TOL TO PLUS		
REVISED PER		
RFA-1783		
APPD:		

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
DWG NO	FIRST USED ON	ASSY USED ON			
			WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.		
			MATERIAL	MODEL NO 7222	
			FINISH	SHEET 3 OF 3	

	BY	DATE	APPROVED BY	DATE
DWN	[illegible]	5/31/77	ENGR	5/31/77
CHK	[illegible]	5/31/77	M ENGR	
E.C. CONTROL			MFG ENGR	

TITLE: SCHEMATIC, LOGIBLOC CRT SCAN BOARD

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-6715	E	6715	1

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DO NOT SCALE

SMALLER OR LARGER PUNCHING HOLE TOLERANCE	HOLE DIA.	+/-
	0.125 to .135	±.002
	.136 to .250	±.003
	.251 to .500	±.004

ISSUE	DESCRIPTION	
A		

I.C. LOCATION

I.C. LOCATION	W.L. PART NO	±0V	+5VR
L1, 29, 31	376-0025	7	14
L2, 3, 4, 5, 19, 30	376-0022	7	14
L6, 23	376-0003	7	14
L7, 17	376-0027	8	16
L8, 26, 25, 24, 22, 36	376-0018	7	14
L9, 10, 11, 13, 18, 21, 34	376-0002	7	16
L12, 33	376-0005	11	4
L14	376-0061	1	8
L15	376-0026	7	14
L16, 31	376-0108	8	16
L28	376-0016	7	14
L29, 38	376-0139	7	14
L32, 35	376-0081	7	14
L37	376-0035	7	14

COMPONENT

COMPONENT	W.L PART NO
R1, 2, 3, 4, 5, 7, 8, 9, 18	330-4010
R10, 11, 12	330-2022
R13, 14,	330-3022
R15, 16, 17	330-3010
R21, 22	330-2056
R23, 24	330-3068
R19, 20	330-3027
C1, 2, 3, 4, 5, 6, 15	300-1870
C7, 8, 9, 10, 11, 12, 13	300-1560
C14	300-1220
C16, 18	300-1903
C17, 2421, 22, 23, 24	300-1900
C19, 25	300-9022
D1 THRU 25	380-1001

CONN. 1

+5VR	A1	
±0V	B2	
	C3	
	D4	KB_2
	E5	$\overline{PT}_2$
	F6	$\overline{TB}_1$
	H7	PRIME
	J8	KB_0
MOP_{10}	K9	
MOP_9	L10	
TBI_2	M11	
$\overline{TB}_2$	N12	
$\overline{3K}$	P13	B SW
$\overline{IDI}_{2K}$	R14	BEL SW
$\overline{SKP}$	S15	KB_1
KB_3	T16	$\overline{TB}_3$

CONN. 2

$\overline{TA}_1$	A1	$\overline{SPT}_2$
$\overline{LPG}$	B2	$\overline{STAB}_2$
$CR/\overline{LF}_2$	C3	$\overline{CR}_2$
$\overline{TA}_0$	D4	$\overline{CF}$
$\overline{TB}_0$	E5	$\overline{TAB}_2$
SKP	F6	KA_0
$\overline{SKP}$	H7	
$\overline{CIND}$	J8	KA_3
KA_2	K9	
$\overline{KBLK}$	L10	
$\overline{IND}$	M11	
KA_1	N12	$\overline{SKPG}$
$\overline{SHT}_3$	P13	MOP_{11}
CK_8	R14	BI_0
$\overline{RC}$	S15	KBP

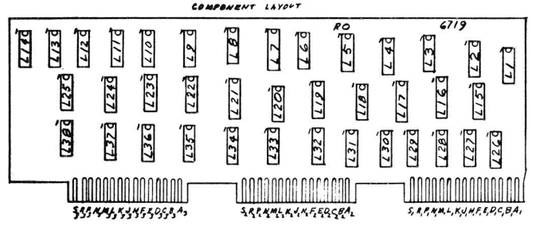
CONN. 3

R/B	A1	PRINT
DIN_1	B2	$\overline{RBC}$
KAP	C3	DIN_0
SKL	D4	$\overline{RBR}$
CDL	E5	$\overline{IN}_2$
SHL	F6	$\overline{IN}_1$
	H7	NPP
LSK	J8	$\overline{RBN}$
$\overline{REV}$	K9	$\overline{SEA}$
L/R	L10	$\overline{CD}$
$\overline{IDX}$	M11	$\overline{5K}$
$\overline{NP}$	N12	MEMO
	P13	±0V
	R14	+5VR
-.7V	S15	$\overline{FOR}$

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

CONN. SIDE — WIRING SIDE

COMPONENT LAYOUT



L14	L13	L12	L11	L10	L9	L8	L7	L6	L5	L4	L3	L2	L1											
L25	L26	L27	L28	L29	L30	L31	L32	L33	L34	L35	L36	L37	L38											
A	B	C	D	E	F	H	J	K	L	M	N	P	R	S	T	U	V	W	X	Y	Z	a	b	c

E-REV 0

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
				DWN	12/27/71 ENGR
				CHK	MGR
				E.C. CONTROL	MFG ENGR

MATERIAL — MODEL NO 1222 — SEE ENGRG SPECIFICATIONS No.

FINISH — TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH

TITLE: SCHEMATIC LOGIBLOC TELECOMUNICATION

210-6719 | E 6719 | C

SCALE | SHT 4 OF 6 | WANG PART NUMBER | SIZE | DRAWING NUMBER | REV.

REVISION	BY	DATE
A	REVISED PER ALTERATION NOTICE #1	1-14-72

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DO NOT SCALE

LOCATION	W.L. PART NO.	±0V	+5VR
L1,16,63	376-0025	7	14
L2,13,41,42	376-0019	7	14
L3,4,5,6	376-0075	10	1
L7	376-0053	8	16
L8,14,30,36	376-0010	7	14
L9,10,38,53	376-0004	8	16
L11,26	376-0059	7	14
L12	376-0031	7	14
L15	376-0011	10	5
L17,19,35,47	376-0114	8	16
L18	376-0133	7	14
L20,22,29,33,39, 44,48,54,55	376-0081	7	14
L21,27,31,34,37, 46,49,56,58	376-0002	7	14
L23,24	376-0022	7	14
L28	376-0026	7	14
L32,43,59	376-0003	7	14
L45,57	376-0034	8	16

LOCATION	W.L. PART NO.	±0V	+5VR
L44,61	376-0035	7	14
L45	376-0036	7	14
L50	376-0116	8	16
L60	376-0055	7	14
L64	376-0056	11	4
L40	376-0117	14	7
J1	376-0058		
J2	654-1772		
L25,52	376-0093	7	14

COMPONENT	W.L. PART NO.
R2	330-4022
D1-6	350-1000
D8	350-2051
D7	350-6047
R1,4,19,35	330-4122
R5	330-4222
R6,8	330-2042
R9	330-3042
R16,22	330-4023
R7,11,13,15,18,20, 23,24,26,27,34	330-3010
R10	330-4013
R14	330-4015
R12,11,21	330-4634
R25	332-1002
C1,12,35	300-1903
C2	300-4019
C13,20-32	300-1704
C3,11	300-1913
C9	300-4041
C6	300-4023
C3,7,8,10,15,16	300-1220
C9	300-4035
C14,17,18	300-1470
C19	300-1150
C5,24	300-4017

JUMPERS SHOWN ON LOADING SKETCH	
FROM	TO
J1 PIN 9	L61 PIN 2
L50 PIN 13	L44 PIN 4
L45 PIN 13 PIN 11	L2 PIN 2
A13	L64 PIN 1
K3	L22 PIN 2
H3	L5 PIN 1
B3	L6 PIN 1
S2	L6 PIN 13
E2	L8 PIN 10
E1	L35 PIN 3
L55 PIN 1	L29 PIN 6

REVISION	BY	DATE	APPROVED BY	DATE
1 ECO 4982 ADDED J2 AND ASSOCIATED CIRCUITRY		4-18-75		
2 ECO 5182 ADDED J1 PIN 14		5-15-75		

HOLE LEGEND

DRILLED OR PUNCHED HOLE	HOLE DIA.
TOLERANCES	.015 in. TYP. .126 in. TYP. .201 in. TYP.

IDENT	DESCRIPTION	DATE
A		

CONN 1

	A 1	-17VNT
+5VR	B 2	
±0V	C 3	
BI₀	D 4	LV
NPT	E 5	TIVR
	F 6	
REK	H 7	
	J 8	
	K 9	
	L 10	
KBLK	M 11	
T.P.	N 12	
MOP₀	P 13	
	R 14	
KK2	S 15	
	T 16	-17V

CONN 2

	A 1	RO3
	B 2	RO2
	C 3	RO0
KBN	D 4	RO1
T.P.	E 5	PRINT
KAN	F 6	TO0
	H 7	TO1
CK 1234	J 8	
	K 9	
	L 10	
	M 11	
	N 12	
½REV	P 13	
T.P.	R 14	IDX0
	S 15	SHF

CONN 3

½FOR	A 1	STP₀
T.P.	B 2	CTP₀
RS	C 3	½KFO
	D 4	TAB₀
DC	E 5	SPT₀
CH	F 6	BS₀
CIND	H 7	AU
IND	J 8	T.P.
	K 9	SKPG
CL	L 10	RES₆
RES₃₂	M 11	
	N 12	±0V
	P 13	+5VR
COMP. SIDE	R 14	WIRING SIDE

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

WANG PART NO.	ITEM	QTY	NAME
0-5V FIRST USED ON	ASSY USED ON		

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL	DESCRIPTION
	DRAWN [illegible] 4/75 ENGR [illegible]
	CHK [illegible] 4/11/75 M ENGR
	E.C. CONTROL MFG ENGR

MODEL NO 1222

SEE ENGNG SPECIFICATIONS

FINISH

TOL. EX. AS NOTED XX ± .010 FFOC ± 1/64 XXX ± .005 ANG. ± 1/30 FINISH

TITLE SCHEMATIC LOGIBLOC TYPEWRITER OUTPUT TIMING WITH PAPER TAPE PUNCH OUT

210-6720 | E | 6720 | 1

E REV 2

6720 R2

COMPONENT LAYOUT

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DO NOT SCALE

REVISION	BY	DATE
A	Orig DCE2315	1-17-75
B	RPA 1468	2/17/75
C/D	ADD L / RPA M 3/5 ADD G	3/6/75

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA	TOL
	.0135 to .125	± .003 — .001
	.126 to .250	± .004 — .001
	.251 to .500	± .005 — .001

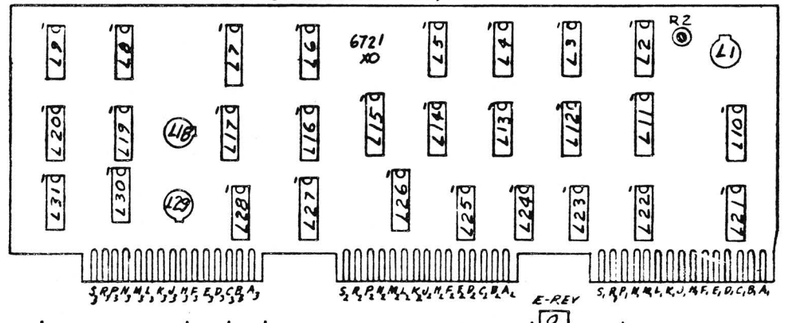
IDENT	DESCRIPTION	QTY
A		

COMPONENT	W.L. PART No
R1, 13, 20, 21	330-3010
R2	336-1004
R3	330-4012
R4	330-5033
R5, 28	330-2068
R6, 23, 27	330-3047
R7, 29	330-6010
R8	330-3082
R9, 11, 14, 15, 16, 17, 22, 25, 26, 30	330-4010
R10	330-4028
R12	330-4018
R18	330-4019
R19	330-4016
R24	330-5018
R31	330-4015
R32	330-4013
C1	300-4026
C2, 13	300-4042
C3, 15	300-1918
C4, 16, 18	300-1906
C5, 9, 17, 19	300-1220
C6, 14	300-4023
C7, 11	300-1470
C8	300-1041
C10	300-4001
C12	300-4025
C20, 29, 31, 33	300-4022
C21, 22, 23, 24, 25, 26, 27, 28, 30, 32	300-1904
D1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17	300-1001

LOCATION	W.L. PART No	IOV	+5VR
L1, 18, 23	376-0000	-	-
L2, 9, 13, 14, 16, 23, 24, 25, 28	376-0023	7	14
L3, 12	376-0022	7	14
L5	376-0025	7	14
L6	376-0031	7	14
L7, 11, 27	376-0080	8	16
L8, 30	376-0002	7	14
L9, 20	376-0003	7	14
L10, 21, 22, 31	376-0026	7	14
L15, 26	376-0097	8	16
L17	376-0061	1	8
L19	376-0010	7	14

PROTOTYPE

COMPONENT LAYOUT



WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
On Rev	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
MATERIAL	DWN	1/17/75	E ENGR	
	CHK	1-20-75	M ENGR	
	E C CONTROL		MFG ENGR	

MODEL NO. 1200

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH 125

SCALE — SHT 4 OF 6

TITLE SCHEMATIC LOGIBLOC TELECOMMUNICATIONS

210-6721 | D | 6721 | C

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

E-REV 0

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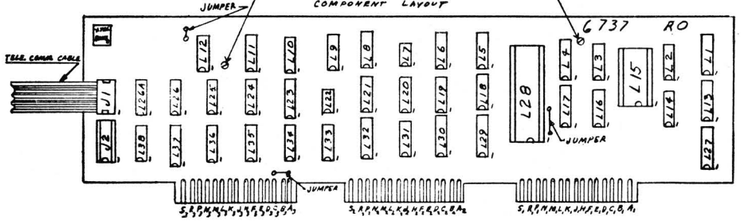
DO NOT SCALE

L28
1402A

COMPONENT LAYOUT



COMPONENT	W.L. PART No.
R1,3	330-2022
R2	330-2018
R4	330-3018
R5,6,7,8,9,10,21,25,30,31,38	330-3010
R11,14,16,17,18,19,32,37	330-3047
R12	330-9034
R13,15	330-3022
R20,23,29,27,33,39,35,36	330-4010
R22	330-4012
R26,28	332-1082
R29	332-2010
C1, 2	300-1041
C3	380-4021
C4,5,6,7,8	300-1903
C9	300-4029
C10, 11, 12, 20 THRU 32	300-1904
C16,15,16,17	300-1220
C18	300-1560
C19,33	300-4022
C13	300-1900
D1, 2	380-2121
D3	380-2047
D4	380-2051
D5	380-100188
D6	380-1004
XTAL 8MHz	321-0009
J1 16 Pin TELE. COMM. CABLE	220-0116

LOCATION	W.L. PART No.	±5V	+5VR
L1, 27	376-0048	8	16
L2, 16	376-0091	7	14
L3, 26	376-0059	7	14
L4, 13, 17	376-0082	8	16
L5, 25	376-0023	7	14
L6, 9, 36	376-0010	7	14
L7, 22	376-0076	4	–
L8, 18, 20, 31	376-0002	7	14
L10, 12, 23, 32	376-0053	8	16
L11	376-0055	7	14
L15	377-0009	14	12
L19	376-0108	8	16
L21, 24A	376-0031	7	14
L24	376-0026	7	14
L26	376-0083	7	14
L28	377-0071	3	1
L29, 30	376-0008	8	16
L33, 34	376-0011	10	5
L35, 38	376-0007	7	14
L37	376-0077	8	15/14
J1, 2	376-9008		
J2 SOCKET	376-9005		
L15 SOCKET	376-9003		
L28 SOCKET	376-9011		

J2

- SIGNAL GND – AB
- CLEAR TO SEND – CB
- DATA SET READY – CC
- SUPERVISORY RECEIVED DATA – SB
- RECEIVED DATA – BB

SA – SUPERVISORY TRANSMITTED DATA
BA – TRANSMITTER DATA
CA – REQUEST TO SEND
CD – DATA TERMINAL READY

J1

- ±0V
- PRINT
- A_{135}
- A_{600}
- A_{1200}
- A_{200}
- LCA
- SEND
- CARRIER
- 6.3V
- LCB

E – REV

3-LAMP
C-LAMP

NOTE:
1. REMOVE JUMPER WHEN TWO STOP BITS ARE USED.

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

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
PART USED ON	ASSY USED ON				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DRAWN			M. TAYLOR	
CHK			M. TAYLOR	
E.C. CONTROL			M. TAYLOR	

MATERIAL — MODEL NO. 1220/1222 — SEE ENGRG SPECIFICATIONS

FINISH — TOL. EX AS NOTED: XX ± .010 FRAC ± 1/64; .XXX ± .005 ANG. ± 1°30' FINISH

SCALE — SHT. OF

TITLE: SCHEMATIC, LOGIBLOC TELECOMMUNICATIONS BOARD

210-6737 | E | 6737 | 0
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

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DO NOT SCALE

HOLE LEGEND	HOLE DIA	TOL
DRILLED OR PUNCHED HOLE TOLERANCES	.015 to .125	±.003
	.126 to .250	±.004
	.251 to .500	±.005

IDENT	DESCRIPTION	QTY
A		

EXTERNAL PRINTER

TYPE

PRIME

CLR

RBC

APR

TSP

TAB CL

RS

MOP$_B$

NPT

KK$_2$

BI$_0$

IND

CIND

PRIME

RBLK

DC

KBIN

CK$_{1276}$

KAW

RBK

PRINT

CH

TP$_1$ TP$_2$ TP$_3$ TP$_4$ TP$_5$

CL

RES

AU

KES

R

ZK

PUL

STROBE

SHF

IDX$_0$

1/2 FOR

STP$_0$

CTP$_0$

1/2 REV

CK/LF$_0$

FS$_0$

SPT$_0$

CPN

TAB$_0$

SAT

DV

RO$_0$ READY/BUSY

RO1

RO2

RO3

TO$_0$

TO1

ACK

Bit$_1$ Bit$_2$ Bit$_3$ Bit$_4$ Bit$_5$ Bit$_6$ Bit$_7$ Bit$_8$

I.C. LOCATION	W.L. PART No.	PIN +5V	PIN GND
L1, 53	376-0055	7	14
L2, 72	376-0057	7	14
L3	376-0011	10	5
L9,23,25,48,49,66, 82,83,84	376-0081	7	14
L5,6,75	376-0073	10	5
L7,11,16,17,33,34,35, 45,51,57,60,86	376-0002	7	14
L10	376-0005	11	6
L12,37,43,45	376-0093	7	14
L13,32,41,63,70	376-0010	7	14
L14	376-0071	7	14
L15,52	376-0082	8	16
L17	376-0125	7	14
L18,59	376-0003	7	14
L20,29	376-0016	7	14
L21, 54, 61	376-0152	8	16
L22,27,30,31,67	376-0008	8	16
L24, 26, 28	376-0085	7	14
L37, 69	376-0053	7	14
L38	378-0473		12
L39, 81	376-0006	7	14
L39, 71	376-0120	8	16
L40	376-0053	8	16
L46	376-0092	7	14
L50, 62	376-0024	7	14
L64	376-0022	7	14

COMPONENT	W.L. PART No.
R1,2,3,9,10,11,12,13,16, 18,19,20,21,22,23,24, 28,29,31,44	332-3010
R5,11,32-36,41,42	330-3056
R7	330-2033
R8,14	330-4334
R15,17	333-4915
R27	332-4003
R30	335-3382
R43	332-4053
R45	330-4011
R46	332-4015
R47	332-4011
R85	335-1873
R88	332-1062
C1,2,4,5,7,8,9,14,36	300-1703
C3,6,15,20	300-1702
C10,22	300-1600
C16	300-1150
C17,18,19,21	300-1220
C23,11	300-1313
C12	300-1360

COMP.	W.L. PART No.
C13	300-1019
C25	300-4017
C27	300-4013
C28	300-4037
C29	300-4034
C30,37	300-4012
C31,34,7	300-1301
D7	344-2047
D6	340-2017
L32 (24 PIN)	376-7003
J1 (26 PIN)	370-0028
J2 (14 PIN)	376-7021

I.C. TYPE	LOC	SPARES
7400	L9	3
	L11	1
	L16	3
	L38	2
	L38	1
	L55	1
	L61	2
7427		

I.C. TYPE	LOC	SPARES
7404	L13	1
	L36	2
	L37	1
7406	L1	2
7407	L51	1
7408	L48	1
	L66	1

I.C. TYPE	LOC	SPARES
7414	L2	+
	L72	5
	L12	2
7432	L35	1
	L43	1
9935	L28	1
	L68	+

COMPONENT LAYOUT

6780 R1

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

REVISION	BY	DATE	APPROVED
A	THE FOLLOWING ECO'S WERE INCORPORATED IN THIS REVISION		

E-REV 0

QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	JS	2-3-71	E ENGR	
CHK	G.D.	4-14-71	M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL — MODEL NO 1222 LPO; SEE ENGG SPECIFICATIONS No.

FINISH

TITLE SCHEMATIC, LOGIBLOC OUTPUT CONTROLLER FOR 1222 + LPO

TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √

SCALE — SHT 1 OF 1

WANG PART NUMBER 210-6780 — SIZE E — DRAWING NUMBER 6780 — REV 1

E 6780

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DO NOT SCALE

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA	TOL
	.0135 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

IDENT	DESCRIPTION	QTY.
A		

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

CONN.1

	A 1	-.7V
+5VR	B 2	
±0V	C 3	
	D 4	COD
RMD	E 5	
	F 6	CJ
IM	H 7	CJ
	J 8	
LMD	K 9	
CLR	L 10	
	M 11	TP5
	N 12	TP4
SAT	P 13	CLK/PG
CP0	R 14	F/T
L/S	S 15	TP19

CONN.2

DATA4	A 1	CM RESET
DATA3	B 2	TP22
DATA2	C 3	
DATA1	D 4	
CDN	E 5	TP18
CUPC	F 6	TP21
IO0	H 7	
DC	J 8	
APR	K 9	RBC
LP	L 10	
TSP	M 11	
EC1	N 12	
IO1	P 13	
IO3	R 14	CM
IO2	S 15	

CONN.3

TAB CL	A 1	
CPN	B 2	
	C 3	
	D 4	
	E 5	
	F 6	
IN1	H 7	
IN2	J 8	
TP2	K 9	
TP3	L 10	
	M 11	
	N 12	
	P 13	-10V
	R 14	±0V
	S 15	+5VR

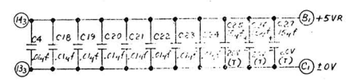
COMP. SIDE — WIRING SIDE

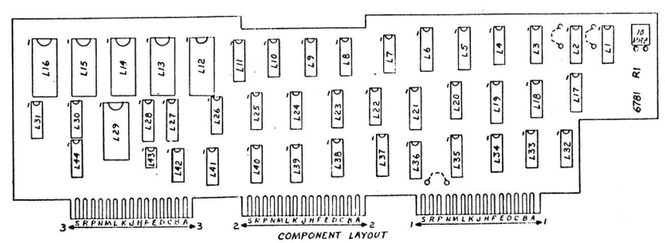
SPARES

TYPE	LOCATION
SP380A	L1-2
7474	L8-1
7408	L9-2, L10-2, L24-2
7402	L16-2
935	L24-1
7409	L35-1, L35-4, L36-1, L44-3.
930	L37-1

COMPONENT	W.L.PART NO.
R1, 18	330-4018
R2-4, 6, 11-16, 19, 29	330-3010
R5	330-4023
R7	335-3018
R8, 10	330-2022
R9	330-2018
R17	336-1007
R20-22	330-3027
R23-25	330-2056
R26-28	330-3068
R30-33	330-2047
XTAL	321-0008
C1	300-4027
C2	300-4043
C3, 26, 27, 25	300-4022
C13, 14, 15, 16	300-1900
C5, 11, 12	300-1220
C6, 7	300-1820
C8, 28	300-1901
C9	300-1927
C10	300-1928
C17	300-1560
C4, C18-24	300-1903
D1, 2	380-1001

LOCATION	W.L.PART NO.	TERM. NO. -10V	TERM. NO. Vcc+5VR
L1, 17	376-0061	1	8
L2, 25, 26, 32, 39, 44	376-0010	7	14
L3, 40	376-0011	10	5
L4, 30, 41	376-0002	7	14
L5, 35	376-0048	8	16
L6	376-0053	8	16
L7, 23	376-0093	7	14
L8	376-0006	7	14
L9, 18, 22	376-0081	7	14
L10	376-0016	7	14
L12	377-0207		12
L13-16	377-0009		12
L33, 38	376-0003	7	14
L19	376-0104	8	16
L20	376-0078	7	14
L11, 21	376-0008	8	16
L24	376-0025	7	14
L27	377-0206		5
L28	377-0205		5
L29	377-0208		12
L31	376-0051	7	14
L36, 39	376-0022	7	14
L37	376-0094	8	16
L42	376-0115	7	14
L43	376-0114		6





COMPONENT LAYOUT

REVISION	BY	DATE	APPROVED
A	AK	4-8-75	ECO# E-304 FOR: FET REF DES CHANGES

E-REV 0

WANG PART NO	ITEM	QTY	NAME
FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
MATERIAL			MODEL NO 1222
FINISH			SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED XX ± .010 FRAC. ± 1/32 XXX ± .005 ANG. ± 1°-30' FINISH

MATERIAL	DESCRIPTION
BY	DATE / APPROVED BY / DATE
DWN. A.T.	5-7-75 / E ENGR. J.T.P. / 10-10-75
CHK. G.D.	10/10/75 / M ENGR.
I. C. CONTROL	MFG ENGR.

TITLE SCHEMATIC LOGIBLOC MICROPROCESSOR FOR 1222 & LPO

210-6781 | E | 6781 | 1 | 0

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

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DO NOT SCALE

LOCATION	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc +5VR
L1	376-0003	7	14
L2, 34	376-0010	7	14
L3, 30, 31	376-0081	7	14
L4, 14, 17, 25, 29	376-0002	7	14
L5, 6	376-0059	7	14
L7, 24	376-0022	7	14
L8, 9, 10, 12	376-0073	10	5
L11	376-0004	7	14
L13	376-0005	11	4
L15, 26	376-0104	8	16
L16	376-0053	8	16
L18, 19, 21, 22, 23	376-0008	8	16
L20, 32, 33	376-0093	7	14
L27, 35	376-0016	7	14
L28	376-0108	8	16
L36	376-0025	7	14

PULSE WIDTH CHART

RBK PIN J1	
PRINT	20 ms
SPACE	9.55 ms
BACKSPACE	9.55 ms
TAB	20 ms
CR/LF	45 ms
SET TAB	20 ms
CLEAR TAB	20 ms
INDEX	45 ms
½ INDEX FOR.	70 ms
½ INDEX REV.	70 ms

COMPONENT LAYOUT

7020 R1

COMPONENT	W.L. PART NO.
C1	300-1903
C2	300-1913
C3	300-1220
C4	300-4041
C5	300-4042
C6	300-4023
C7	300-4025
C8-17	300-1900
C18, 19	300-4022
D1-5	380-1001
R1, 3	330-4010
R2	330-4022
R4	330-4023
R5, 8, 9	330-3010
R6	330-3083
R11	336-1015
R7, 10	330-4016

HOLE LEGEND

	HOLE DIA	TOL
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	± .003 ± .001
	.126 to .250	± .004 ± .001
	251 to 500	± .005 ± .001

IDENT.	DESCRIPTION	QTY.
A		

CONN. 1 — VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

A	1	PRIME
B	2	
C	3	
D	4	DV
E	5	APR
F	6	
G	7	
H	8	
J	9	
K	10	
L	11	
M	12	
N	13	
P	14	
R	15	
S	16	

+5VR, ±0V, BIo, NPT, RBK, KBLK, T.P., MOP8, KK2

CONN. 2

A	1	RO3
B	2	RO2
C	3	RO0
D	4	RO1
E	5	PRINT
F	6	TO0
G	7	TO1
H	8	
J	9	
K	10	
L	11	
M	12	
N	13	
P	14	
R	15	IDXO
S	16	SHF

KBN, T.P., KAN, CK 1234, ½FOR, ½REV, T.P.

CONN. 3

A	1	STPO
B	2	CTPO
C	3	CR/LFO
D	4	TABO
E	5	SPTO
F	6	BSO
G	7	
H	8	AU
J	9	T.P.
K	10	SKPG
L	11	RES6
M	12	
N	13	±0V
P	14	+5VR
R	15	
S	16	

½FOR, T.P., RS, DC, CH, CIND, IND, T.P., CL, RES62

REVISION	BY	DATE	APPD
ORIG PER DWR-E 016	AR	8-5-75	MH
REV PER ECN-5081	LR	9-22-75	

WANG PART NO	ITEM	QTY.	NAME
Qty. Per Unit	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL		DESCRIPTION	
BY	DATE	APPROVED BY	DATE
DWN AR	8-5-75	E ENGR	9-16-75
CHK G.D.	9-16-75	M ENGR	
E. C. CONTROL		MFG ENGR	

MATERIAL — MODEL NO. 1222 — SEE ENGRG SPECIFICATIONS No.

FINISH — TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125

TITLE: SCHEMATIC LOGIBLOC TELECOMMUNICATIONS TYPEWRITER OUTPUT TIMING

SCALE — SHT 4 OF 5 — 210-7020 — D — 7020 — 1

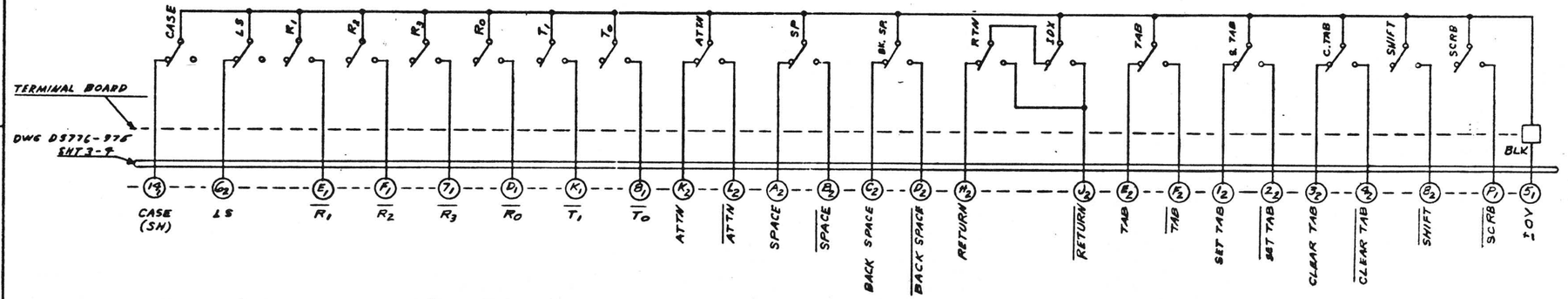
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV.

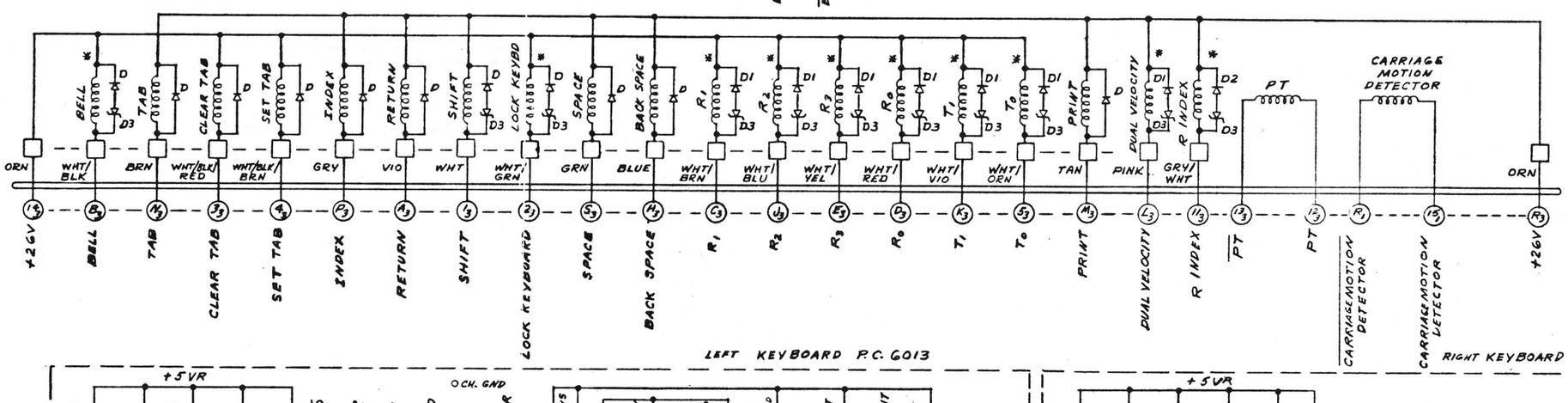
DO NOT SCALE

○ CONNECTOR - SEE DWG. D57776-975, SHT. 3

□ TERMINAL BOARD - SEE DWG. A6382-1

SWITCHES, SOLENOIDS & LAMPS, SEE DWG. D5776-940

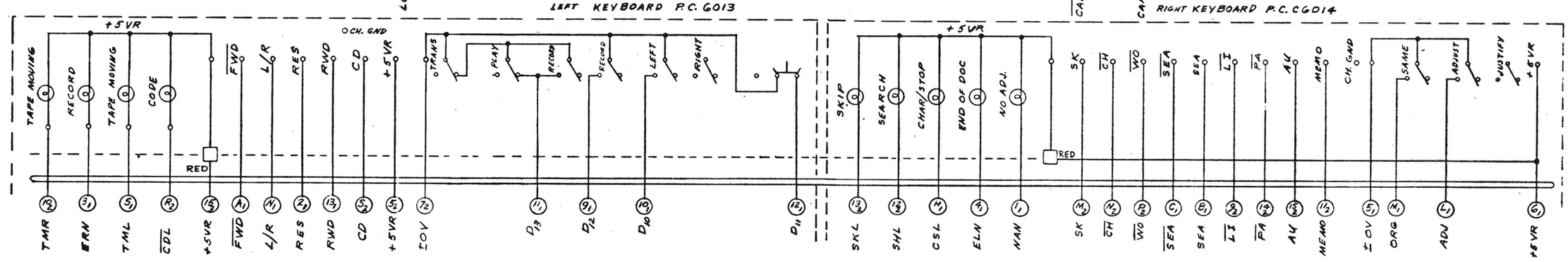


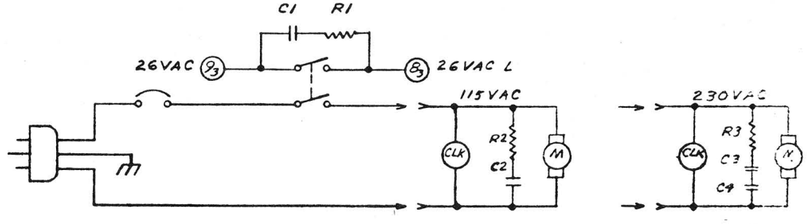


LEFT KEYBOARD P.C. 6013

RIGHT KEYBOARD P.C. CG014

COMP.	SIZE/TYPE	W.L. PART No.	QTY
R1	100Ω ½W	331-2010	1
R2	330Ω ½W	331-1033	1
R3	68Ω ½W	331-1068	1
C1	.1MFD 250V	300-2310	1
C2,3,4	.47MFD 600V	300-2348	3
D1	1N4607 DIODE	380-1605	7
D	SIL DIODE	380-1004	11
CLOCK	115VAC 60Hz	665-0004	1
	115VAC 50Hz	665-0005	1
	220VAC 60Hz	665-0006	1
	220VAC 50Hz	665-0007	1
D2	EM403	380-4006	1
D3	IN754A ZENER	380-2682-1	11
* REF.	LEGEND	320-1013	10





SHEETS 2 & 3 ARE "D" SIZE
SHEET 4 OF 4 IS "E" SIZE

REV.	REVISION	BY	DATE	APP'D
1	PER ECN 2979 ADDED KEYBOARD AND CAP. AEROS AC INPUT APP'D: SKH	CJS	6-9-72	
2	REVISED PER ECN #3156 APP'D: SKH	CJS	8-11-72	
3	REVISED PER ECN #3322 APP'D: SKH	JB	2-8-73	
4	REVISED PER ECN #3514 APP'D: SKH	JB	5-2-73	
5	ECN# 3631 ADDED: REVISION CHART	AEM	5-18-73	
6	REVISED PER ECN #3652 APP'D: LKM	JB	6-18-73	
7	REVISED PER ECN #3661 APP'D: SKH	JB	6-18-73	
8	REVISED PER ECN #3678 APP'D: SKH	JB	6-18-73	
9	REVISED PER ECN #3800 APP'D: LKM	JB	8-20-73	
10	REVISED: PER ECN #3830 APP'D: S.K.	F.S.S.	10-9-74	
11	SEE SHEET 4 E SIZE	LET	10-22-74	
12	REV. PER RFA 0902 7/11/74 MEM	CEF	7/11/74	
13	REVISED PER ECN-4690 APP'D: JSF	GK	11-5-75	

WANG LABORATORIES INC.
TEWKSBURY, MASS.

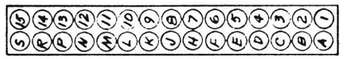
MODEL NO.	DRAWN	APP'D
1200	CHECKED	APP'D

TITLE: SCHEMATIC, TYPEWRITER

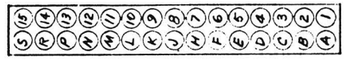
SHT 1 OF 4 | DWG. NO. D 5776-975 | REV 13

DO NOT SCALE

CONN. 3



CONN. 2



CONN. 1

CONN. #3

SIGNAL	WIRE COLOR OR NUMBER	6259 PIN NO.	WIRE SIZE	W.L. PART NO.	LENGTH
—	—	15	—	—	—
SPT$_5$	GREEN	5	#24	600-2005	5½'
+26V	ORANGE	14	#24	600-2003	5½'
+26V	ORANGE	R	#24	600-2003	5½'
$\overline{PT}$	LEFT COAX-BLK	13	—	—	—
INDEX$_5$	GRAY	P	#24	600-2008	5½'
PT	LEFT COAX-CLR	12	—	—	—
TAB$_5$	BROWN	N	#24	600-2001	5½'
IS	GRY/WHT	11	#22	600-1038	5½'
PRINT$_5$	TAN	M	#24	600-2011	5½'
±0V	LEFT COAX-SHLD	10	—	—	—
DVS	PINK	L	#24	600-2022	5½'
26 VAC	YELLOW	9	#18	600-0004	5½'
T015	WHT/VIO	K	#24	600-2097	5½'
26 VAC	YELLOW	8	#18	600-0004	5½'
R025	WHT/BLU	J	#24	600-2096	5½'
—	—	7	—	—	—
BS$_5$	BLUE	H	#24	600-2006	5½'
—	—	6	—	—	—
CH GND	GRN/YEL	F	#18	600-0054	5½'
T005	WHT/ORN	5	#24	600-2093	5½'
R035	WHT/YEL	E	#24	600-2094	5½'
SET TAB	WHT/BLK/BRN	4	#24	600-2901	5½'
R005	WHT/RED	D	#24	600-2092	5½'
CLR TAB	WHT/BLK/RED	3	#24	600-2902	5½'
R015	WHT/BRN	C	#24	600-2091	5½'
KBL$_5$	WHT/GRN	2	#24	600-2095	5½'
BEL$_5$	WHT/BLK	B	#24	600-2090	5½'
SHF$_5$	WHITE	1	#24	600-2009	5½'
CR5	VIOLET	A	#24	600-2007	5½'

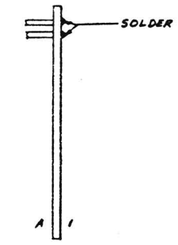
CONN. #2

SIGNAL	WIRE COLOR OR NUMBER	6259 PIN NO.	WIRE SIZE	W.L. PART NO.	LENGTH
AK	R.KB. CABLE-6	16	—	—	—
CD	L.KB CABLE-5	5	—	—	—
$\overline{PA}$	R.KB CABLE-5	14	—	—	—
CDL	V10/YEL	R	#24	600-2074	8½'
SKL	GRY/BRN	13	#24	600-2081	7½'
$\overline{WO}$	P.KB. CABLE-11	P	—	—	—
SHL	GRY/GRN	12	#24	600-2085	7½'
$\overline{CH}$	R.KB. CABLE-9	N	—	—	—
MEMO	R.KB. CABLE-8	11	—	—	—
SK	R.KB. CABLE-13	M	—	—	—
TMR	V10/RED	10	#24	600-2072	8½'
ATTN	MAIN CABLE-21	L	—	—	—
$\overline{LT}$	P.KB. CABLE-7	9	—	—	—
ATTN	MAIN CABLE-22	K	—	—	—
$\overline{SHP}$	MAIN CABLE-5	8	—	—	—
CR/LF1	MAIN CABLE-19	J	—	—	—
±0V	L.KB. CABLE-12,2	7	—	—	—
CR/LF1	MAIN CABLE-20	H	—	—	—
L/S	MAIN CABLE-23	6	—	—	—
TABT	MAIN CABLE-13	F	—	—	—
+5VR	L.KB. CABLE-3,4	5	—	—	—
TABT	MAIN CABLE-14	E	—	—	—
$\overline{CPT}$	MAIN CABLE-3	4	—	—	—
$\overline{BK\ SPT}$	MAIN CABLE-17	D	—	—	—
CPT	MAIN CABLE-4	3	—	—	—
BK SPT	MAIN CABLE-18	C	—	—	—
$\overline{STAB}$	MAIN CABLE-1	2	—	—	—
$\overline{SPT}$	MAIN CABLE-15	B	—	—	—
STAB	MAIN CABLE-2	1	—	—	—
SPT	MAIN CABLE-16	A	—	—	—

CONN. #1

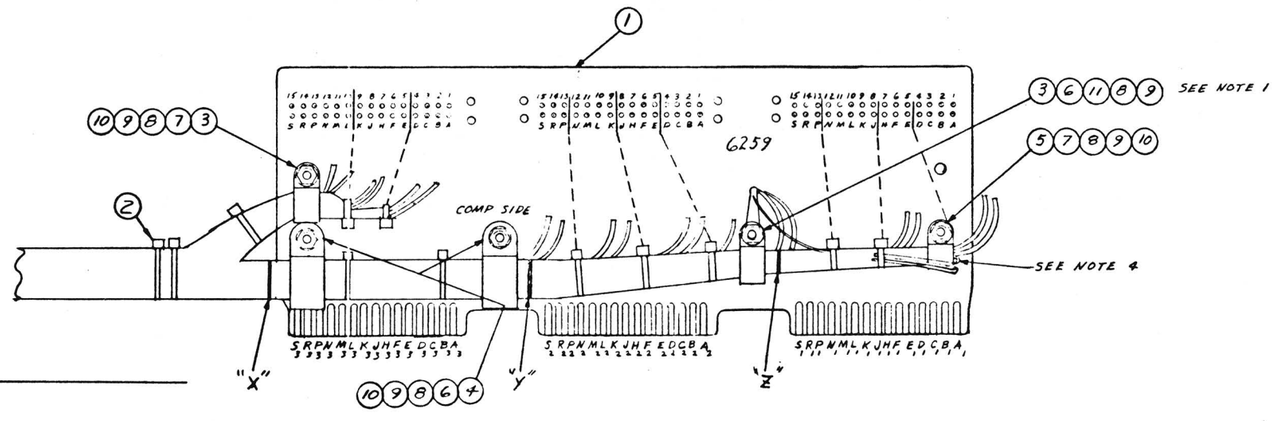
SIGNAL	WIRE COLOR OR NUMBER	6259 PIN NO.	WIRE SIZE	W.L. PART NO.	LENGTH
MD	RIGHT COAX-CLR	15	—	—	—
TML	V10/ORN	S	#24	600-2073	8½'
SH	MAIN CABLE-24	14	—	—	—
$\overline{MD}$	RIGHT COAX-BLK	R	—	—	—
RWD	L.KB. CABLE-8	13	—	—	—
SCRB	MAIN CABLE-6	P	—	—	—
D11	L.KB. CABLE-12	12	—	—	—
L/R	L.KB. CABLE-7	N	—	—	—
D13	L.KB. CABLE-11	11	—	—	—
ORG	R.KB. CABLE-14	M	—	—	—
D10	L.KB. CABLE-9	10	—	—	—
ADJ	R.KB. CABLE-15	L	—	—	—
D12	L.KB. CABLE-10	9	—	—	—
$\overline{T_{11}}$	MAIN CABLE-9	K	—	—	—
$\overline{T_{01}}$	MAIN CABLE-12	8	—	—	—
—	—	J	—	—	—
$\overline{R_{31}}$	MAIN CABLE-8	7	—	—	—
CSL	GRY/RED	H	#24	600-2082	7½'
+5VR	P.KB. CABLE-1,2,2	6	—	—	—
$\overline{R_{21}}$	MAIN CABLE-11	F	—	—	—
±0V	BLACK	5	#18	600-0000	5½"
$\overline{R_{11}}$	MAIN CABLE-7	E	—	—	—
ELN	GRY/ORN	4	#24	600-2083	7½'
$\overline{R_{01}}$	MAIN CABLE-10	D	—	—	—
ERN	V10/GRN	3	#24	600-2075	8½'
$\overline{SEARCH}$	R.KB. CABLE-10	C	—	—	—
$\overline{RES}$	L.KB. CABLE-13	2	—	—	—
SEARCH	R.KB CABLE-12	B	—	—	—
NAN	GRY/YEL	1	#24	600-2084	7½'
$\overline{FWD}$	L.KB. CABLE-6	A	—	—	—

ALL WIRE LEADS



NOTE:-

1. SOLDER LEADS 25 & 26 MAIN CABLE, 3 & 4 RIGHT KEYBOARD CABLE, BLACK LEAD 5, AND RIGHT COAX SHIELD TO TERMINAL.
2. AFTER ALL LEADS ARE SOLDERED TO THE FINGER BOARD AND THE ASSEMBLY HAS BEEN INSPECTED, TIE THE LEADS 3" FROM POINT "x" THEN ADD TWO ONE FOOT PIECES OF 3/16 TUBING AS FOLLOWS. ONE SIDE ALL GRAY WITH TRACER, RIGHT KEYBOARD CABLE AND 30 CONDUCTOR MAIN CABLE. ALL REMAINING LEADS GO INTO THE OTHER TUBING. OMIT BOTH COAX CABLES. TIE TO ABOUT 2" FROM END OF TUBING.
3. NUMBERED CABLE JACKET ENDS AT POINT "y" RIGHT COAX JACKET AT POINT "z"
4. FOLD BACK AND TIE UNUSED LEADS.
5. A TOLERANCE OF -1/8, +1/2 TO THE BREAKOUTS AND FANOUTS.



SEE NOTE 2 →

	2'	TUBING	605-0013	3/16" CLEAR
11	1	LUG	654-1006	#6 GND LUG
10	4	WASHER LOCK	653-3001	#6 INT. T.
9	5	NUT, SM. PAT.	652-3004	#6-32
8	5	WASHER FLAT	653-3000	#6
7	2	SCREW	650-3120	6-32 x 3/8
6	3	SCREW	650-3160	6-32 x 1/2
5	1	CLAMP	654-1252	1/4"
4	2	CLAMP	654-1257	9/16"
3	2	CLAMP	654-1254	3/8"
	A/R	SOLDER	660-0202	ALLOY 63-37
	A/R	WIRE (BLACK)	600-0000	#18 3" LONG
2	A/R	PAN-TY	605-1004	PLT1M-M
1	1	FINGER BOARD	510-6259	6259
IDENT	QTY	NAME	W.L. PART NO.	DESCRIPTION

Sheets 1 & 2 are "D" size
Sheet 4 is "E" size

NO	REVISION	BY	DATE
1	REDRAWN PER ECN #3201 APP'D JMN		7-8-72
5	ECN 3611 FOR REV. LETTER TO THIS ECN		
6	REVISED PER ECN #3661 APP'D JMN		
10	REVISED: PER ECN 3804 UPDATE TO REV 10 MAKE TO SH 1 OF 4 ADD D. [illegible]		10-30-74

SEE SHEET 1

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.
1200	CHECKED	APP.

TITLE: C1, 2 AND 3 WIRING

SHT 3 OF 4 | DWG. NO. D 5776-975 | REV 13

5776-975 D

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DO NOT SCALE

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	±.003
	.126 to .250	±.005
	.251 to .500	±.008

IDENT.	DESCRIPTION	QTY.
A		

CABLE DWG DG612-27

A.C. 6508

NPS — PRINTS — KBLS — SHFS — DVS — BELS

P.C. 6536

-2B — +2A — +28V — VCR

CLOCK

TYPEWRITER MOTOR

CARRIAGE MOTOR

LEFT KEYBOARD

P.C. 6523

LEFT MAR. SET — LEFT MAR. RESET — LINE RETURN — REWIND — FOWARD — CODE — RESET — ON TYPEWRITER 10 PITCH 12 PITCH — RECORD DOUBLE/SINGLE — MECH. INTLK — S.R. — MOUNTED IN LENS — MOUNTED IN KEY

SW 1 … SW 9 — S.R. EXTERNAL — SINGLE — DOUBLE — EXTERNAL

+5VL — TAPE MOVING DS3 — RECORD DS2 — TAPE MOVING DS1 — CODE DS4

±0V EXTERNAL — RECORD — PLAY — TRANSFER — RIGHT — LEFT

STRIP CABLE 115/6 WL. 220-3007

P.C. 6508 — P.C. 6536

LMS — LMR — L/R — RWD — FWD — CD — RES — PIT — D11 — ±0V — +5VR — TML — TMR — CDL — D12 — D13 — D10

CABLE DWG. DG612-27

RIGHT KEYBORD

AUTO START — PAR A — MEMO OUT — LINE — SEARCH — WORD — SKIP — CHAR/STOP

P.C. 6524

SW 1 … SW 8

MECH. INTLK — +5VR — ±0V — MOUNTED IN KEYS — MOUNTED IN LENS — SKIP DS4 — SEARCH DS3 — CHAR/STOP DS5 — END OF DOCUMENT DS2 — ADJ DS1

EXTERNAL — SAME — ADJUST — JUSTIFY

AU — PA — MEMO — LI — SEA — WO — SK — CH — ±0V — +5VR — SKL — SHL — CSL — BLN — NAN — ORG — ADJ

P.C. 6508 — P.C. 6536

CABLE DWG DG612-27

26VAC1 — 26VAC2 — P.C. 6536 — P.C. 6508 — CABLE DWG. DG612-27

J8 A — J8 B — 1/4 AMP SLOW — 100-2 5W

115VAC — 230VAC — CLK — M — 47 MFD 250V

SHEET 2 IN D SIZE

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	DB	6/3/76	E ENGR	
CHK			M ENGR	
E C CONTROL			MFG ENGR	

MODEL NO. 1222

SEE ENGRG SPECIFICATIONS No.

TOL EX AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH √

SCALE — SHT 1 OF 2

TITLE: SCHEMATIC, TYPEWRITER WIRING

WANG PART NUMBER — SIZE E — 6497-260 — DRAWING NUMBER — REV.

REVISION

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DO NOT SCALE

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA	TOL
	.0135 to .125	± .002
	.126 to .250	± .003
	.251 to .500	± .005

IDENT	DESCRIPTION	QTY.
A		

CLEAR TAB · SET TAB · TAB · SHP · BELL · ±0V · EXPRESS INDEX ±0V

6511 HARNESS DWG D6612-29

P.C. 6511 · CTP · STAB · TABT · SHP · BELLSW · EXP · IDX · ±0V

STRIP CABLE W.L. 220 - 3001

CABLE DWG D6612-12 · P.C. 6508 · P.C. 6536

CTP · STAB · TABT · SHP · BELSW · EXP · IDX · ±0V

+5VC P.C. 6511 · ROI · R1I · R2I · R3I · TOI · T1I

P.C. 6508 · P.C. 6536 · CABLE DWG. D6612-27

+5VR · ROI · R1I · R2I · R3I · TOI · T1I

P.C. 6510 · +5c · SPT · BK/SPT · CR/LF · ±0Vc · +5Vc

EXTERNAL · P.C. 6513 · +5Vc · ±0Vc · RMD · SH · RIB · S/D · L/S

PLATEN KNOB · +5Vc · ±0Vc · FOR · REV

ATTN ±0Vc · ATTN. · ATTN

ENCODER P.C. 6515 · EC · ±0Vc · +5Vc

CHAR. DETECTOR P.C. 6514 · PT · COD · ±0Vc · +5Vc

HOME POS. P.C. 6512 · T.R. · LMD · ±0Vc · +5Vc

HARNESS DWG. D6612-26 · HARNESS DWG. D6612-25 · CABLE DWG. D6612-27 · P.C. 6508 · P.C. 6536

+5Vc · ±0Vc

SPT · BK/SPT · CR/LF · RMD · SH · RIB · +5VR · L/S · ±0V. · FOR · REV · ATTN · ATTN · EC · EC · +5VR · PT · COD · LMD · ±0V

REVISION

WANG PART NO.	ITEM	QTY.	NAME
Qty. Per Unit / FIRST USED ON / ASSY USED ON			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.
MATERIAL			MODEL NO. 1222
FINISH			SEE ENGRG SPECIFICATIONS No.
			TOL. EX. AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG. ± 1°30' FINISH √

MATERIAL	DESCRIPTION
BY	DATE / APPROVED BY / DATE
DWN	6/3/74 / E ENGR / 6-12-74
CHK	/ M ENGR /
E C CONTROL	/ MFG ENGR /

TITLE: SCHEMATIC TYPEWRITER WIRING

SCALE · SHT 2 OF 2 · WANG PART NUMBER · SIZE D · DRAWING NUMBER 6497-260 · REV

6497-260

SHEET 1 IS E SIZE