PRODUCT SERVICE

SCHEMATIC MANUAL

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

INTRODUCTION

This manual contains schematic drawings and cable diagrams of the following products:

Model 100 System
Model 400 System
Model 500/520/600 Calculators
Model 700/720 Calculators
Model 1200 System
Model 2200 System
Peripherals of 500/520/600/700/720/2200
DIABLO Series 40 Disk Drive

The schematics are arranged in sections in the order listed above. A colored title and table of contents sheet begins each section. The schematics in each section are arranged in ascending numerical order by printed circuit board number disregarding F and L prefixes. Pertinent power supply schematics and cable diagrams are placed at the end of each section. Due to the unavailability at time of publication, some schematics and cable diagrams are missing, especially on newer products. Rough engineering drawings and preliminary drawings are not usually incorporated in this manual.

This manual will periodically be updated to include drawings and schematics of newly manufactured products, and drawings that are now sketches or not finalized.

The Model 300 series drawings are not included in this manual because of a prior publication *Series 300 Drawings* (03-0007-0) which incorporated all 300 schematic diagrams. All copies of this manual are exhausted and there are currently no plans to reprint due to expense and low priority.

Publication of this new schematic manual eliminates schematic diagrams from future Service Bulletins; bulletins will have assembly drawings only if available at time of publication.

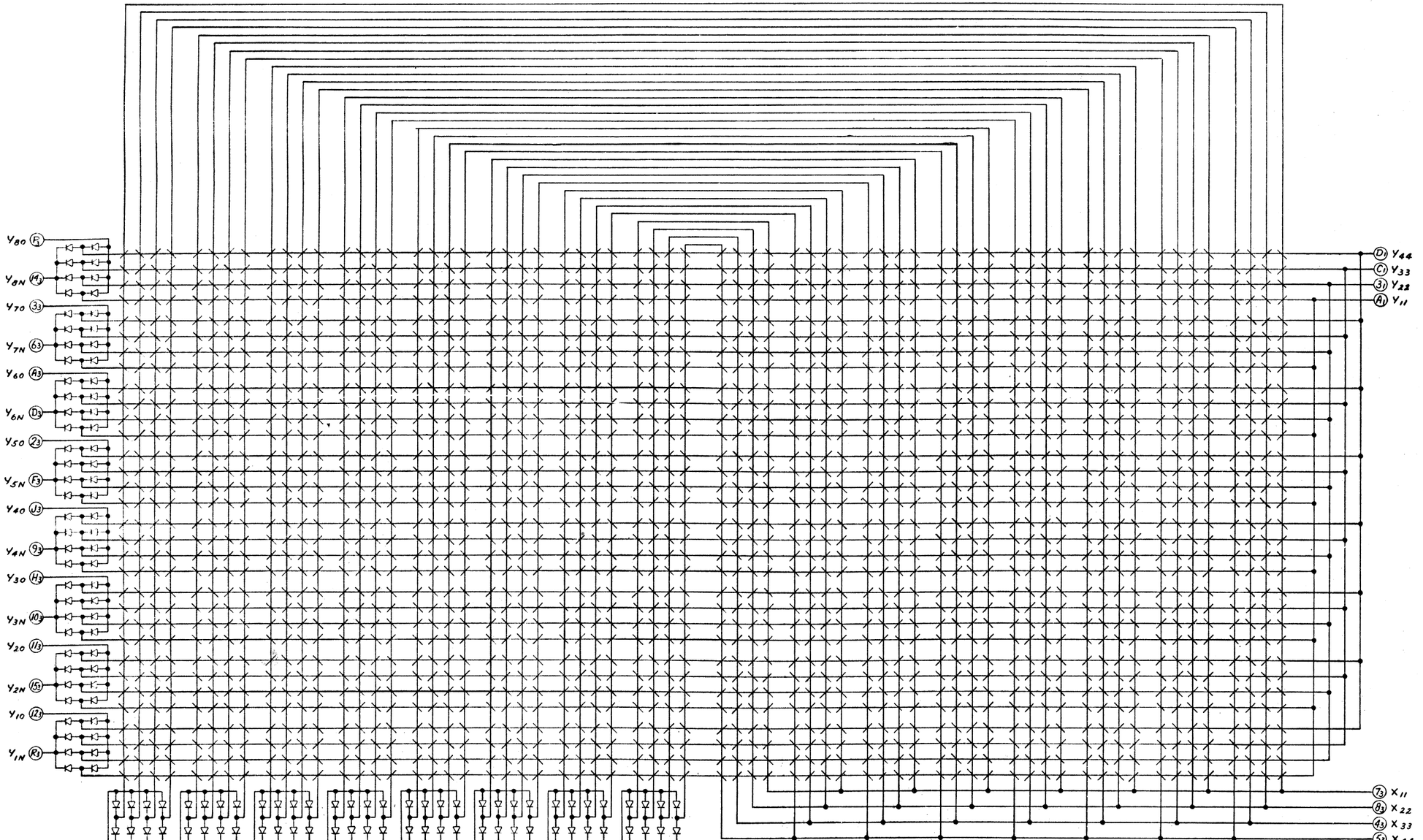
In order to improve this publication, use the business reply form on the next page to send suggestions or requests for drawings which may have been omitted; these will be incorporated in the next update.

MODEL 700/720

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

TITLE	DRAWING #	NO. OF SHEETS
335	C6046	1
336	C6051	1
L505X	D5945-X	1
L505Y	D5945-Y	1
5887	D5887	1
5917	D5917	1
5918	D5918	1
5919	D5919	1
5920	D5920	1
5921	D5921	1
5922	D5922	1
5923	D5923	1
5924	D5924	1
5926	D5926	1
5927	D5927	1
5928	D5928	1
5929	D5929	1
5930	D5930	1
5936	D5936	1
5937	D5937	1
5938	D5938	1
5975	D5975	1
5976	D5976	1
6038	E6038	1
6052	D6052-1	1
I/O CONN	B6088	1
TY CONN	B6089	1
P1 CONN	B6090	1
P2 CONN	C6091	1
P3 CONN	C6092	1

DO NOT SCALE



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

CONN. 1

Y_{11}	A 1	X_{20}
X_{80}	B 2	X_{10}
Y_{33}	C 3	Y_{22}
Y_{44}	D 4	X_{1N}
	E 5	X_{2N}
	F 6	X_{30}
	H 7	X_{40}
	J 8	X_{4N}
	K 9	X_{3N}
B_{1R}	L 10	+12VR
	M 11	X_{50}
	N 12	+12VR
+12VR	P 13	B_{2R}
X_{70}	R 14	X_{60}
+12VR	S 15	B_{3R}

CONN. 2

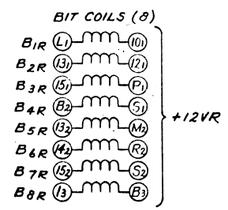
X_{7N}	A 1	X_{5N}
B_{4R}	B 2	X_{6N}
$\overline{S_{15}}$	C 3	S_{15}
$\overline{S_{25}}$	D 4	S_{25}
$\overline{S_{35}}$	E 5	S_{35}
$\overline{S_{45}}$	F 6	S_{45}
	H 7	
$\overline{S_{55}}$	J 8	S_{55}
$\overline{S_{65}}$	K 9	S_{65}
$\overline{S_{75}}$	L 10	S_{75}
+12VR	M 11	
$\overline{S_{85}}$	N 12	S_{85}
X_{8N}	P 13	B_{5R}
+12VR	R 14	B_{6R}
+12VR	S 15	B_{7R}

CONN. 3

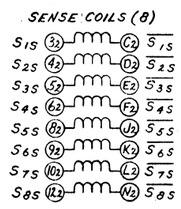
Y_{60}	A 1	B_{8R}
+12VR	B 2	Y_{50}
	C 3	Y_{70}
Y_{6N}	D 4	X_{33}
	E 5	X_{44}
Y_{5N}	F 6	Y_{7N}
Y_{30}	H 7	X_{11}
Y_{40}	J 8	X_{22}
	K 9	Y_{4N}
	L 10	Y_{3N}
	M 11	Y_{20}
	N 12	Y_{10}
Y_{80}	P 13	
Y_{1N}	R 14	Y_{8N}
	S 15	Y_{2N}

COMP SIDE — WIRING SIDE

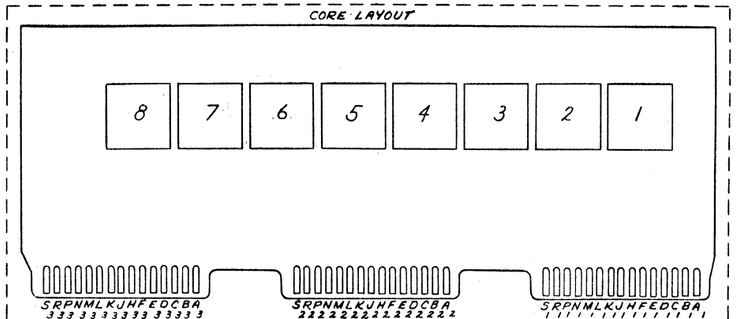
BIT COILS (8)



SENSE COILS (8)



CORE LAYOUT



REVISION	BY	DATE
NO		

IDENT	QTY	NAME	MATERIAL	DESCRIPTION
			DR F.S.S	DATE 3-3-70
		WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.	CHK RJT	DATE 3-13-70
			APPD SKH	DATE 3-13-70

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

MATERIAL

FINISH

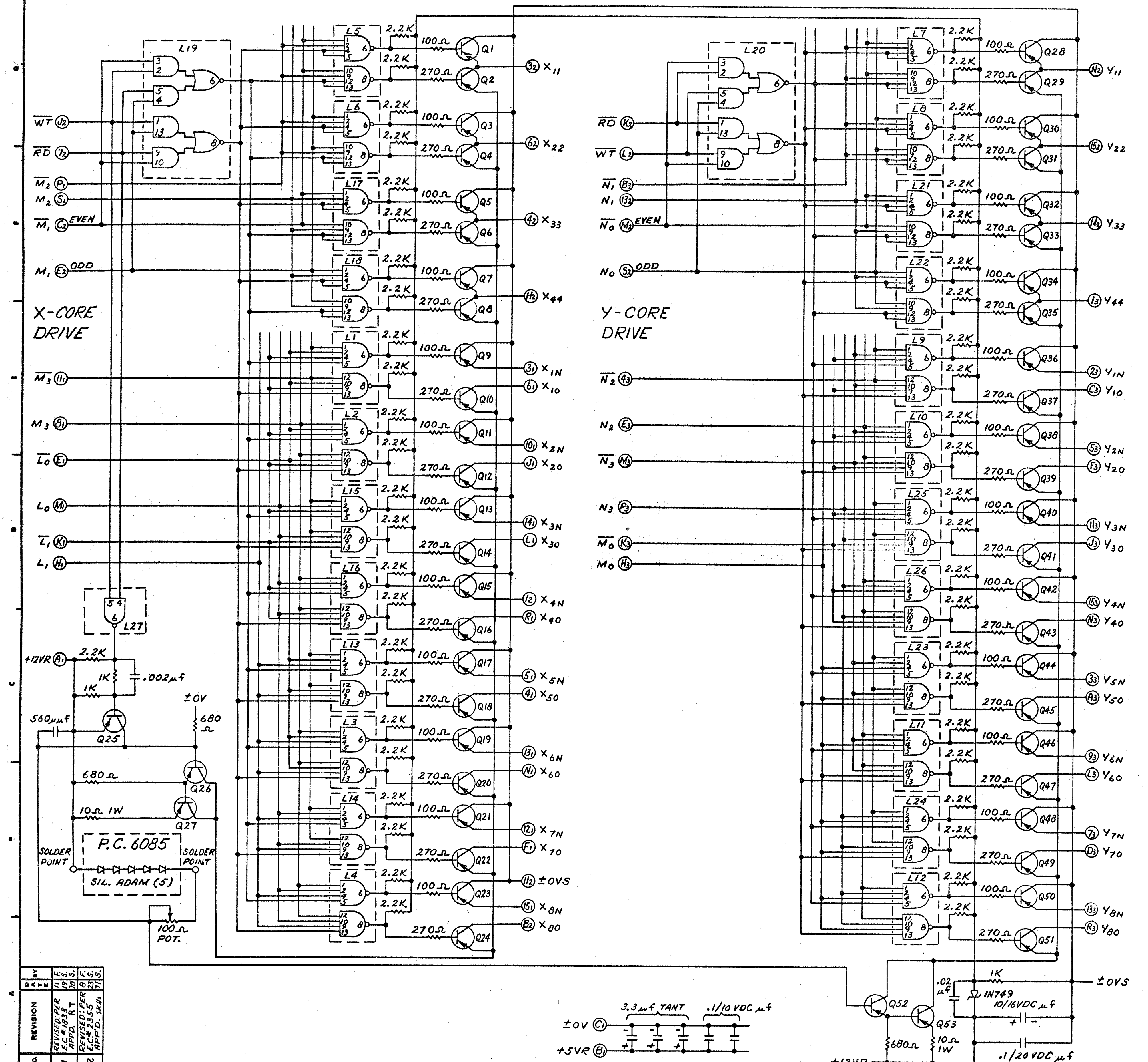
MODEL No. | W.O. No. | SCALE | SHEET OF

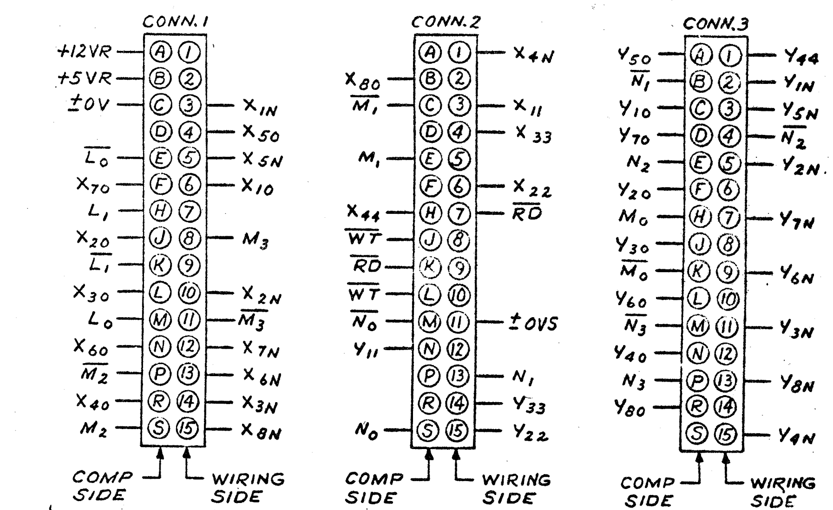
TITLE SCHEMATIC LOGIBLOC MEMORY CORE 32x32x8

PART NUMBER	REV	SIZE	DRAWING NUMBER
		D	5887-1A

D 5887-1

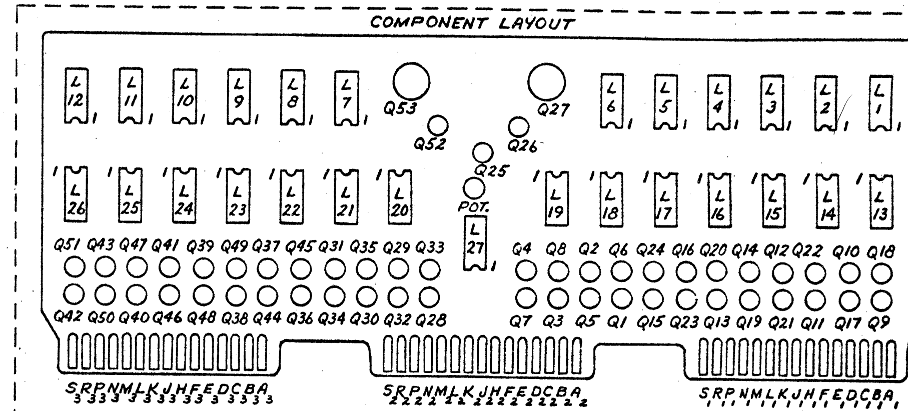
DO NOT SCALE





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

COMPONENT LAYOUT



I.C. LOCATION	TYPE	W.L. NO.	TERM FOR VCC +5V	TERM FOR ±0V	QTY.
L1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,21,22,23,24,25,26	MC844P OR F9944	376-0024	14	7	24
L27	SN7400N	376-0002	14	7	1
L19,20	SN7451N	376-0012	14	7	2

TRANSISTORS	TYPE	W.L. NO.	QTY.
Q1 THRU Q24, Q26, Q28 THRU Q52	GT544	375-1017	50
Q25	2N3640	375-1003	1
Q27,53	2N4037	375-1018 OR 375-1020	2

NO.	REVISION	DATE	BY
1	REVISED: PER E.C.#1833 APPD. R.T.	11-19-70	F.S.
2	REVISED: PER E.C.#2355 APPD. D. SK.	8-23-71	F.S.

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

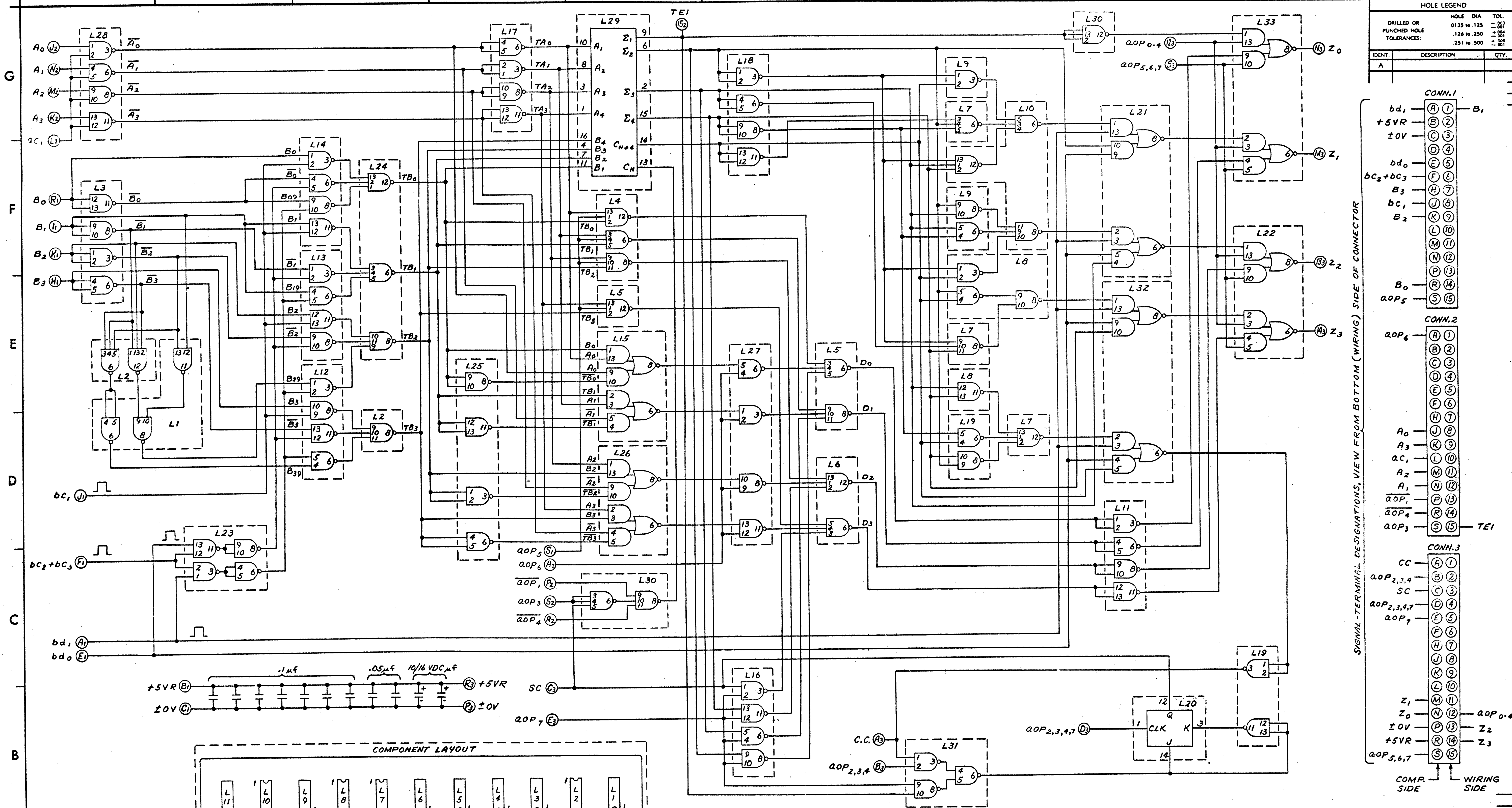
WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

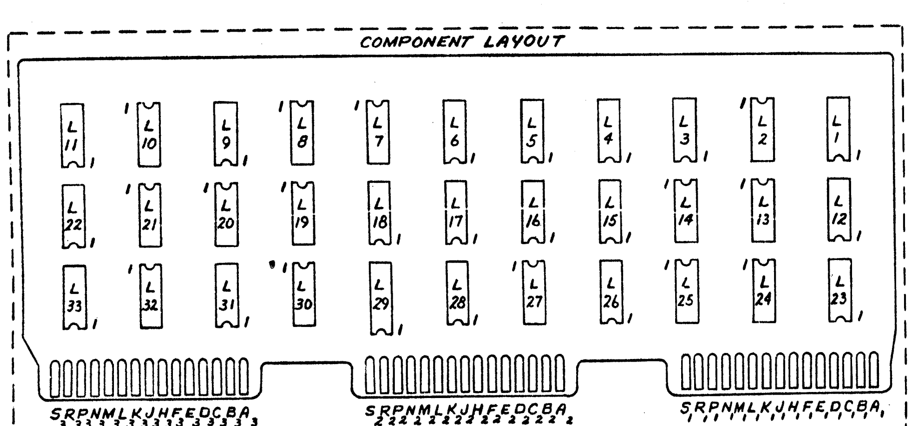
DR F.S.S. DATE 5-14-70
CHK R.J.T. DATE 5-15-70
APPD DATE 5-15-70

TITLE SCHEMATIC LOGIBLOC #5917 (WITH P.C. 6085) X & Y CORE DRIVER

REV 2 SIZE D DRAWING NUMBER 5917-1

D 5917-1





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		

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR VCC +5V	TERM FOR ±0V	QTY.
L1,3,8,9,11,12,13,14,16,17,18,19,23,25,27,28,31	SN7400N	376-0002	14	7	17
L2,4,5,6,7,10,24,30	SN7410N	376-0003	14	7	8
L15,21,22,26,32,33	SN7451N	376-0012	14	7	6
L20	SN7473N	376-0005	4	11	1
L29	SN7483N	376-0018	5	12	1

REVISION

NO.	REVISION	BY	DATE
1	REVISED: PER E.C. #1507. APPD. RJT		
2	REVISED: PER E.C. #1897. APPD. RJT		
3	REVISED: PER E.C. #2271. APPD. DRO		

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

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

MATERIAL	BY	DATE	APPROVED BY	DATE
DWN	F.S.S.	1-3-70	E ENGR SKH	3/13/70
CHK	RJT	3-13-70	M ENGR	
E. C. CONTROL			MFG ENGR	

MATERIAL — MODEL NO. — SEE ENGRG SPECIFICATIONS No.

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

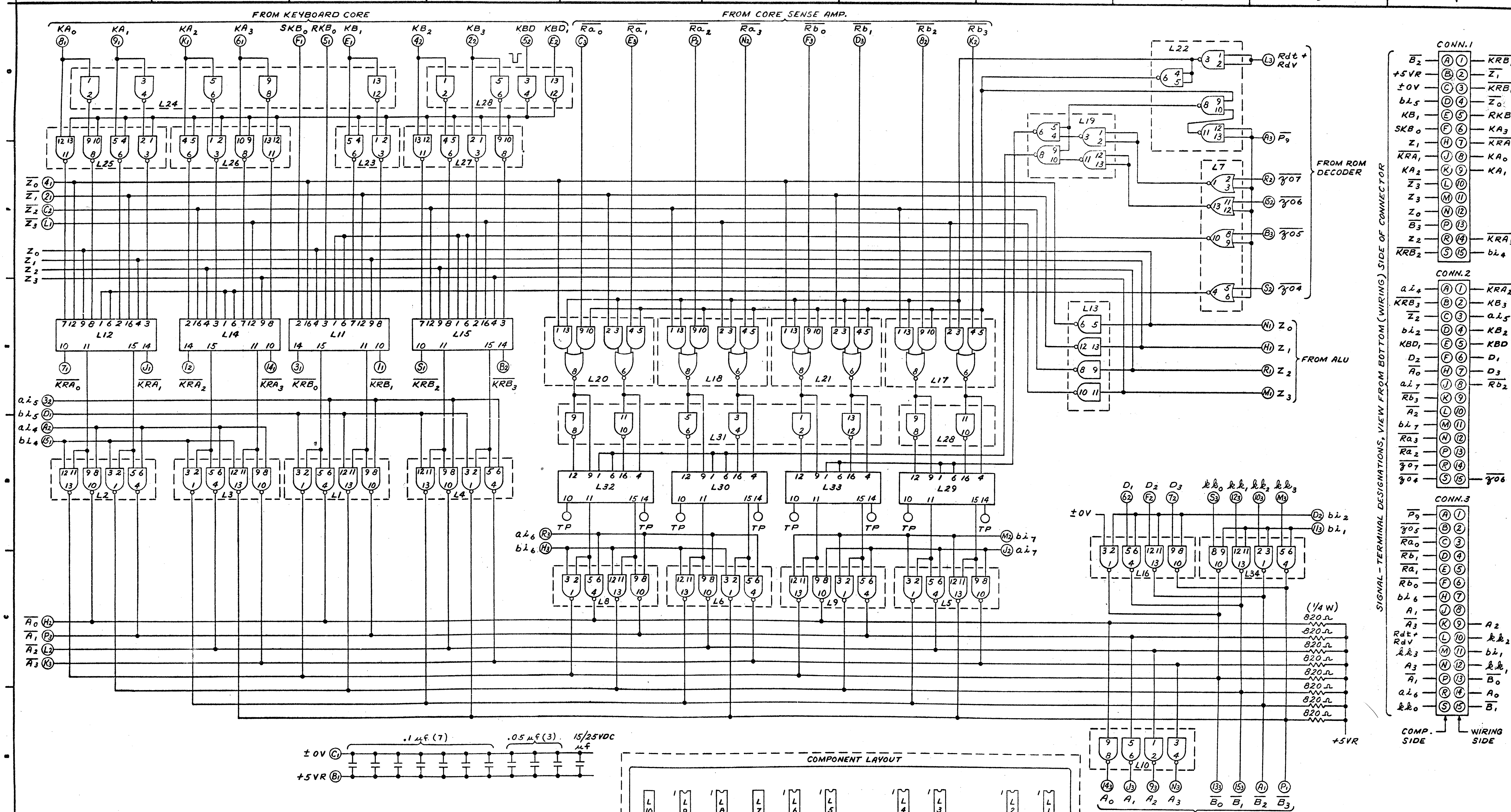
TITLE SCHEMATIC LOGIBLOC #5918 ALU

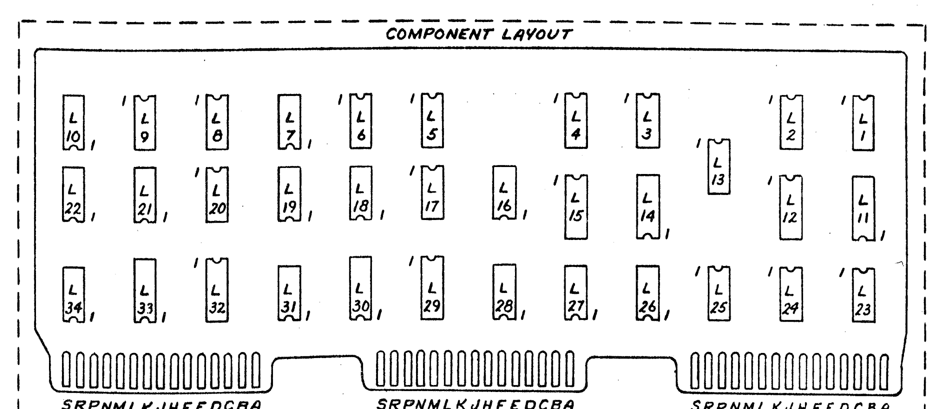
SIZE	DRAWING NUMBER	REV.
D	5918-1	3

SCALE — SHT — OF — WANG PART NUMBER

D 5918-1

DO NOT SCALE





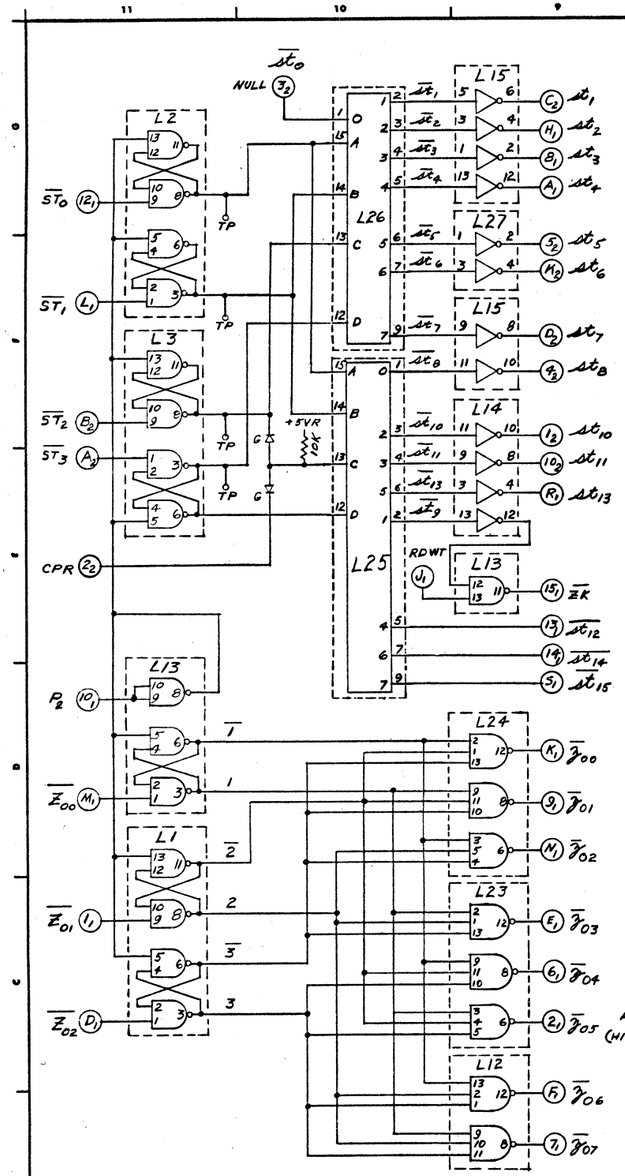
I.C. LOCATION	TYPE	W.L. NO.	QTY.	TERM FOR VCC +5VR	TERM FOR ±0V
L19,22,23,25,26,27	SN7400N	376-0002	6	14	7
L1,2,3,4,5,6,8,9,16, 34	SN7401N	376-0015	10	14	7
L7	SN7402N	376-0016	1	14	7
L10,13,24,31	SN7404N	376-0010	4	14	7
L17,18,20,21	SN7451N	376-0012	4	14	7
L11,12,14,15,29,30,32,33	SN7476N	376-0007	8	5	13
L28	MC836 OR F9936	376-0026	1	14	7

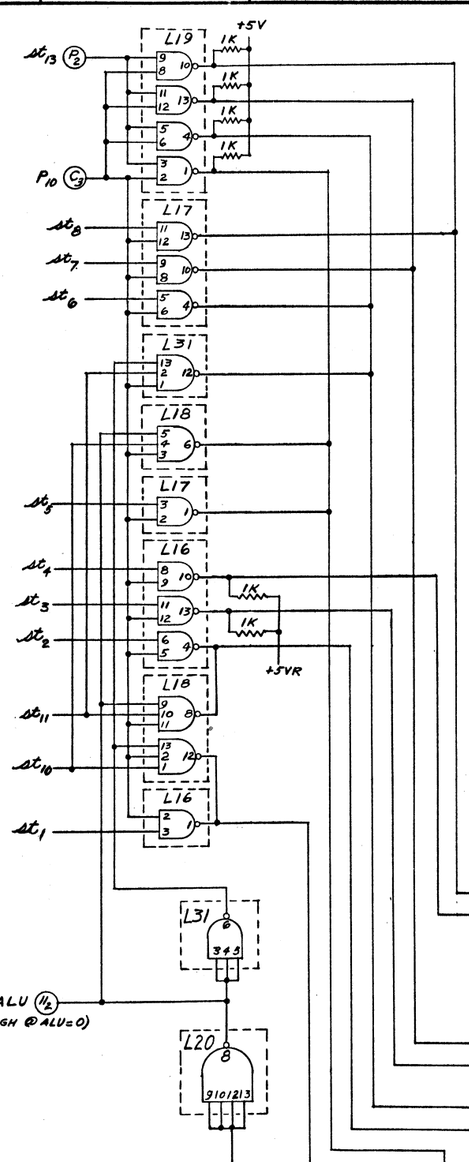
NO.	REVISION	DATE	BY
1	REVISED: PER E.C.#2373 APP'D SKH	8 26 71	F.S.S.

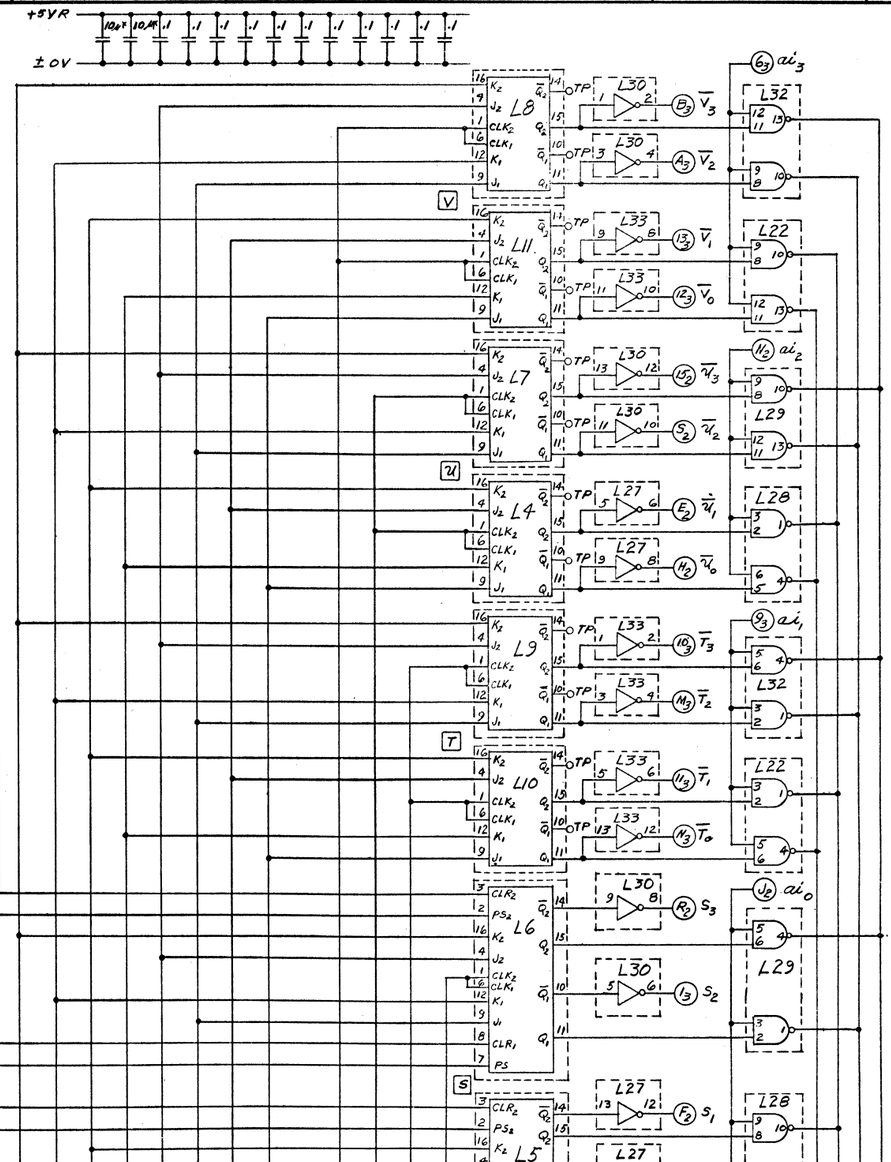
IDENT	QTY	NAME	MATERIAL / DESCRIPTION
TOL. EX. AS NOTED .XX ±.010 .XXX ±.005 ANG. ±0°30' FRAC. ±1/64 FINISH: ✓	WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.	DR F.S.S. DATE 3-13-70	CHK RJT DATE 3-27-70 / APPD SKHO DATE 3-27-70
MATERIAL	MODEL No.	W.O. No.	SCALE / SHEET OF
FINISH	TITLE SCHEMATIC LOGIBLOC *5919 BUS-1		
	PART NUMBER	REV 1 / SIZE D	DRAWING NUMBER 5919-1

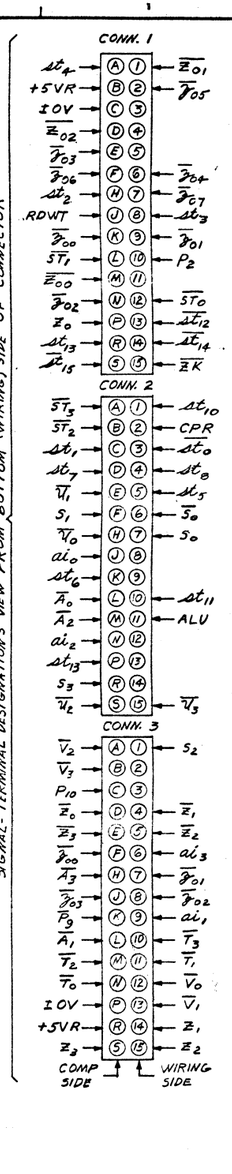
D 5919-1

DO NOT SCALE







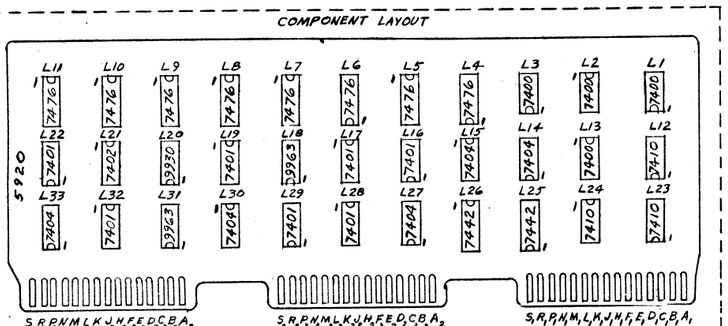


LOCATION	TYPE & MFR'R	TERM. No. VCC+5VR	TERM. No. ±0V	QTY
L20	9930 OR MC830 FAIRCHILD MOTOROLA	14	7	1
L31, 18	9963 OR MC863 FAIRCHILD MOTOROLA	14	7	2

LOCATION	TYPE & MFR'R	TERM. No. VCC+5VR	TERM. No. ±0V	QTY
L1, 2, 3, 13	SN7400N TEXAS INST.	14	7	4
L22, 23, 29, 33, 16, 17, 19	SN7401N TEXAS INST.	14	7	7
L21	SN7402N TEXAS INST.	14	7	1
L14, 15, 27, 30, 32	SN7403N TEXAS INST.	14	7	5
L25, 26	SN7404N TEXAS INST.	14	8	2
L4, 5, 6, 7, 8, 9, 10, 11	SN7405N TEXAS INST.	14	8	8
L12, 24, 24	SN7410N TEXAS INST.	14	7	3

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

COMPONENT LAYOUT

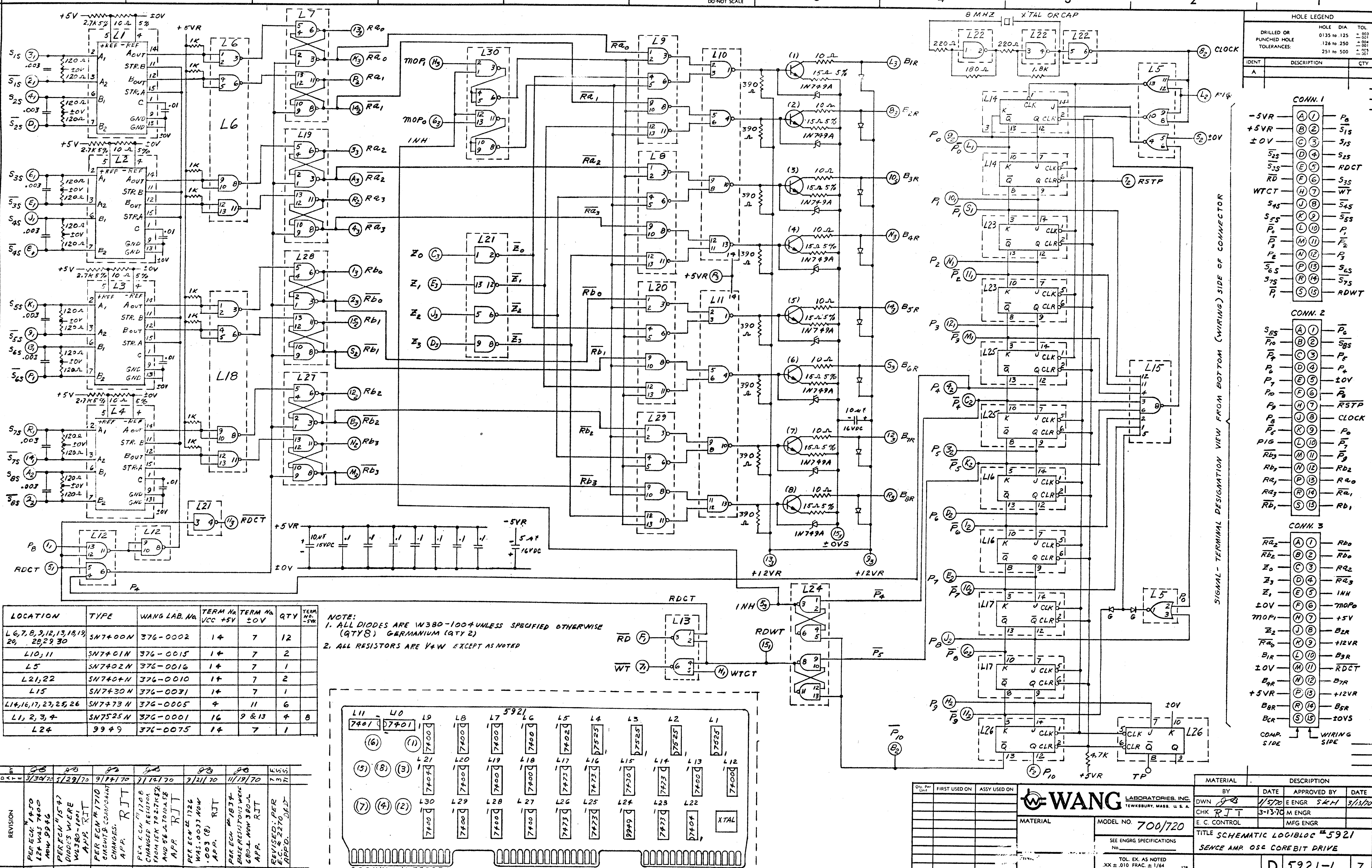


IDENT	QTY	NAME	MATERIAL	DESCRIPTION
		WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.	DR	DATE 11-25-69
			CHK RJT	DATE 3-13-70
			APPD SKH	DATE 3-13-70
		MODEL No. 700	W.O. No.	SCALE 4/1 SHEET OF
		TITLE BUS-2	P. C. BOARD № 5920	
		PART NUMBER	REV 1	SIZE D DRAWING NUMBER 5920

MK	DATE	REVISION
1	3-13-70	PER ECN # 1518 REMOVED 150 OHM RESISTOR FROM L20-PIN 11 APPD. RJT

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

D 5920



LOCATION	TYPE	WANG LAB. No.	TERM No. VCC +5V	TERM No. ±0V	QTY	TERM No. -5VR
L6,7,8,9,12,13,18,19, 20, 28,29,30	SN7400N	376-0002	14	7	12	
L10,11	SN7401N	376-0015	14	7	2	
L5	SN7402N	376-0016	14	7	1	
L21,22	SN7404N	376-0010	14	7	2	
L15	SN7430N	376-0031	14	7	1	
L14,16,17,23,25,26	SN7473N	376-0005	4	11	6	
L1, 2, 3, 4	SN7525N	376-0001	16	9 & 13	4	8
L24	9949	376-0075	14	7	1	

NOTE:
1. ALL DIODES ARE W380-1004 UNLESS SPECIFIED OTHERWISE (QTY 8) GERMANIUM (QTY 2)
2. ALL RESISTORS ARE 1/4W EXCEPT AS NOTED

REVISION	BY	DATE	
1		3/30/70	PER ECN #1450 L24 WAS 7400 NOW 9949
2		5/28/70	PER ECN #1547 DIODES WERE W380-1001 APP. RJT
3		9/14/70	PER ECN #1710 CIRCUIT & COMPONENT CHANGES. APP. RJT
4		9/14/70	PER ECN #1708 CHANGED RESISTOR FROM 1K TO 2.7K 5% AND 56 Ω TO 10 Ω 5% APP. RJT
5		9/21/70	PER ECN #1726 WAS .0033 NOW .003 (8) RJT APP.
6		11/19/70	PER ECN #1834 BASE RESISTORS WERE 680 Ω NOW 380 Ω APP. RJT
7		3/71	REVISED: PER E.C. #2270 APP'D.

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

MODEL NO. 700/720

TITLE SCHEMATIC LOGIBLOC #5921 SENCE AMP. OSC COREBIT DRIVE

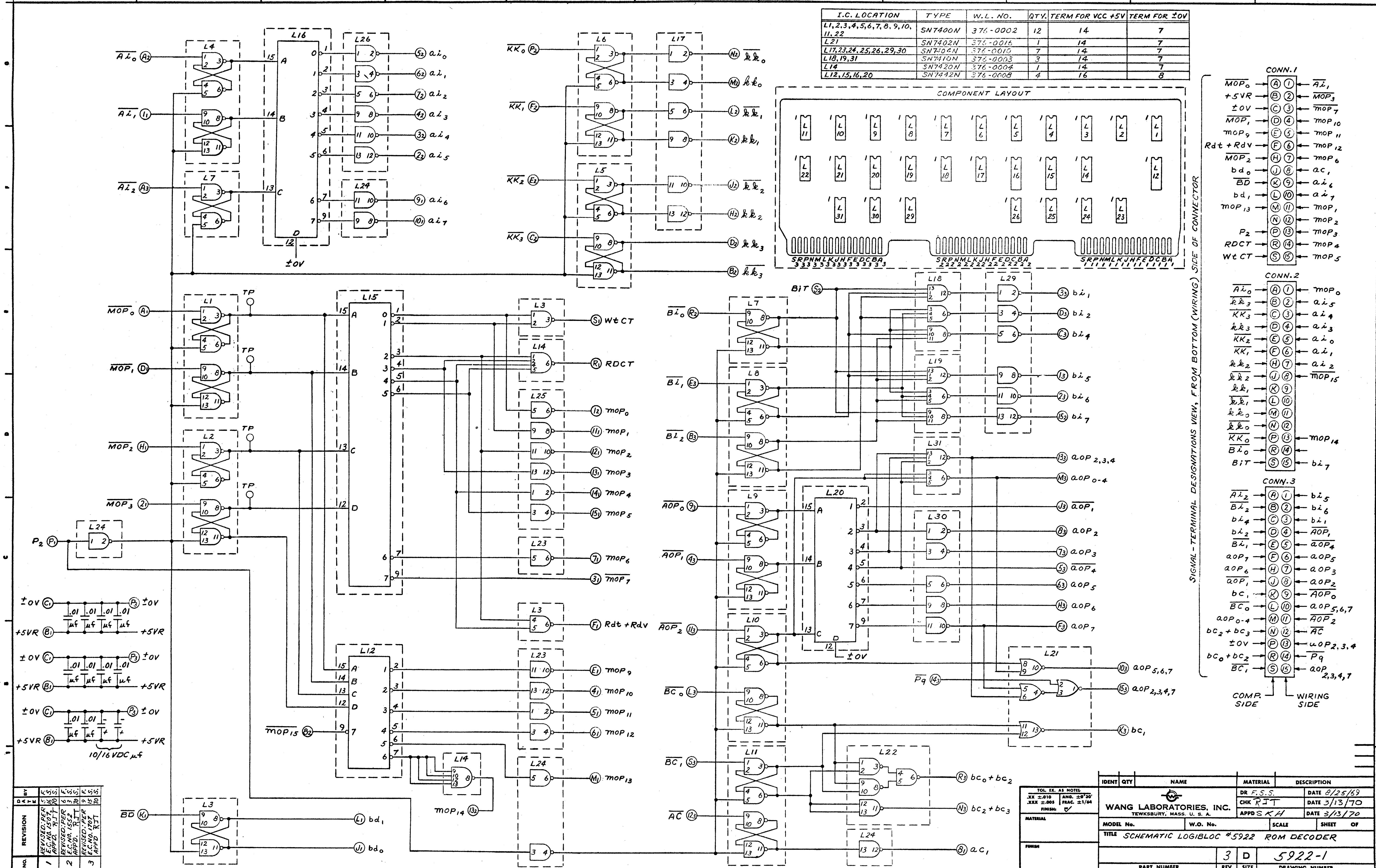
DWN 1/15/70 · CHK RJT 3-13-70 · E ENGR SKH 3/13/70 · M ENGR · MFG ENGR · E.C. CONTROL

SEE ENGRG SPECIFICATIONS No.

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

SIZE D · DRAWING NUMBER 5921-1 · REV. 7

D 5921-1



I.C. LOCATION	TYPE	W.L. NO.	QTY.	TERM FOR VCC +5V	TERM FOR ±0V
L1,2,3,4,5,6,7,8,9,10,11,22	SN7400N	376-0002	12	14	7
L21	SN7402N	376-0016	1	14	7
L17,23,24,25,26,29,30	SN7404N	376-0010	7	14	7
L18,19,31	SN7410N	376-0003	3	14	7
L14	SN7420N	376-0004	1	14	7
L12,15,16,20	SN7442N	376-0008	4	16	8

NO.	REVISION	BY	DATE
1	REVISED PER E.C. NO. 1207 APPD. RJT	F.S.S.	3/13/70
2	REVISED PER E.C. NO. 1552 APPD. RJT	F.S.S.	6/3/70
3	REVISED PER E.C. NO. 1707 APPD. RJT	F.S.S.	9/15/70

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

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

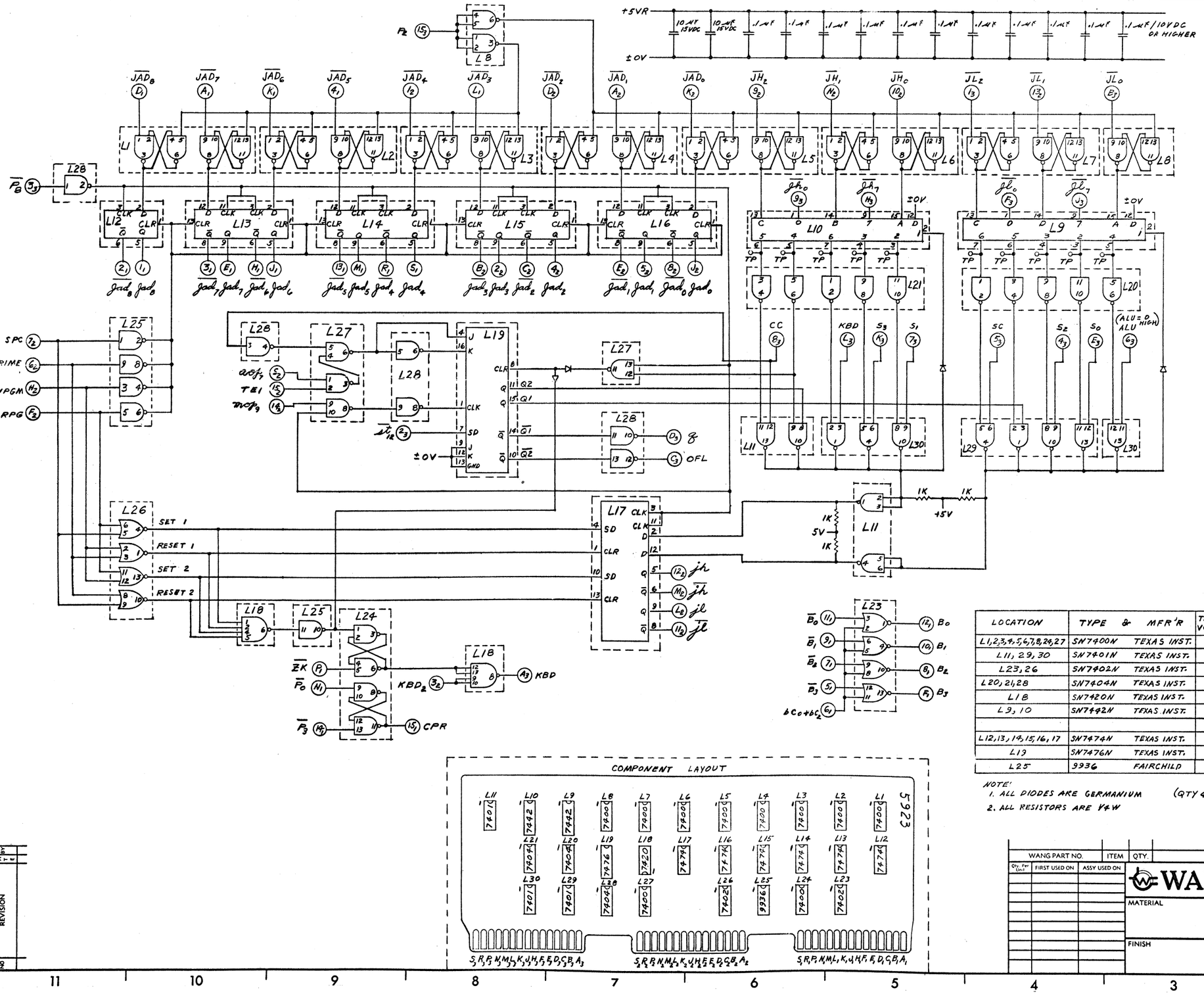
DR F.S.S. DATE 8/25/69
CHK RJT DATE 3/13/70
APPD SKH DATE 3/13/70

TITLE SCHEMATIC LOGIBLOC #5922 ROM DECODER

REV	SIZE	DRAWING NUMBER
3	D	5922-1

D 5922-1

DO NOT SCALE



LOCATION	TYPE & MFR'R		TERM No. VCC +5V	TERM No ±0V	QTY
L1,2,3,4,5,6,7,8,26,27	SN7400N	TEXAS INST.	14	7	10
L11, 29, 30	SN7401N	TEXAS INST.	14	7	3
L23, 26	SN7402N	TEXAS INST.	14	7	2
L20, 21, 28	SN7404N	TEXAS INST.	14	7	3
L18	SN7420N	TEXAS INST.	14	7	1
L9, 10	SN7442N	TEXAS INST.	16	8	2
L12,13,14,15,16,17	SN7474N	TEXAS INST.	14	7	6
L19	SN7476N	TEXAS INST.	5	13	1
L25	9936	FAIRCHILD	14	7	1

NOTE:
1. ALL DIODES ARE GERMANIUM (QTY 4)
2. ALL RESISTORS ARE V&W

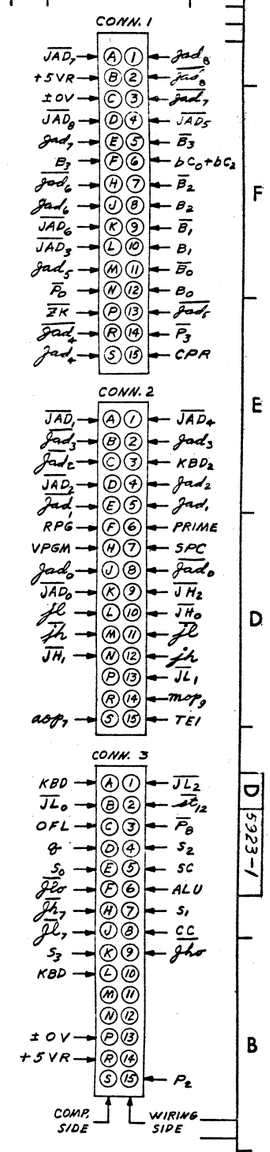
COMPONENT LAYOUT

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		

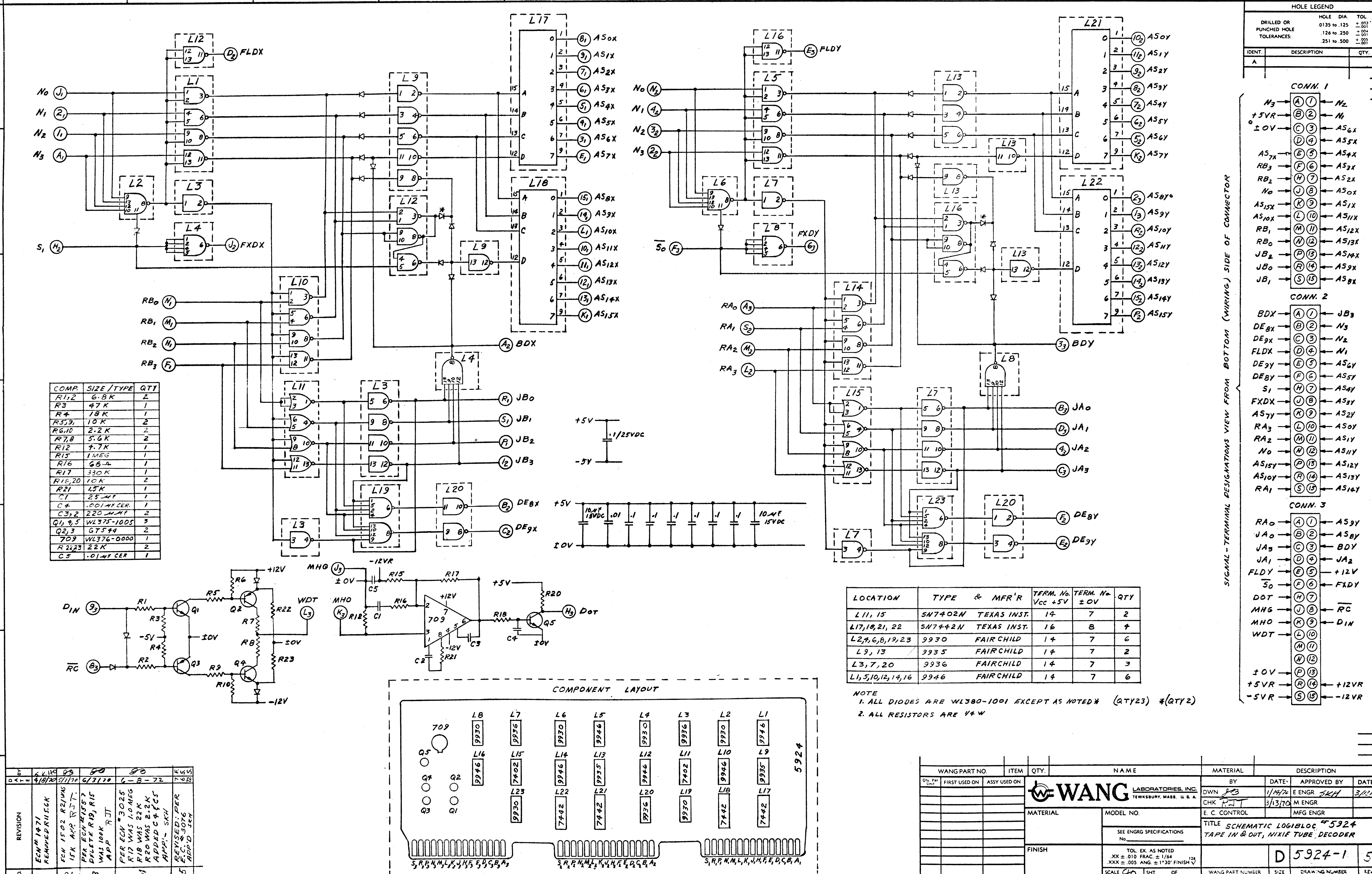
SIGNAL - TERMINAL DESIGNATION VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR



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 JB 12/17/69 E ENGR SEH 3/17/70
					CHK RJT 3/13/70 M ENGR
			MATERIAL / MODEL NO. 700		E. C. CONTROL / MFG ENGR
			SEE ENGRG SPECIFICATIONS No.		TITLE SCHEMATIC LOGIBLOC SE 5923 JH, JL, JAD (ROM ADDRESS)
			FINISH / TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125		D 5923-1
			SCALE 4/1 SHT OF	WANG PART NUMBER	SIZE / DRAWING NUMBER / REV

NO.	REVISION	BY	DATE

D 5923-1



COMP.	SIZE/TYPE	QTY
R1,2	6.8K	2
R3	47K	1
R4	18K	1
R5,9	10K	2
R6,10	2.2K	2
R7,8	5.6K	2
R12	4.7K	1
R15	1 MEG	1
R16	68 Ω	1
R17	330K	1
R18,20	10K	2
R21	1.5K	1
C1	25 μf	1
C4	.001 μf CER.	1
C3,2	220 μμf	2
Q1,4,5	WL375-1005	3
Q2,3	GT544	2
709	WL376-0000	1
R22,23	22K	2
C5	.01 μf CER	1

LOCATION	TYPE & MFR'R		TERM. No. Vcc +5V	TERM. No. ±0V	QTY
L11, 15	SN7402N	TEXAS INST.	14	7	2
L17,18,21, 22	SN7442N	TEXAS INST.	16	8	4
L2,4,6,8,19,23	9930	FAIRCHILD	14	7	6
L9, 13	9935	FAIRCHILD	14	7	2
L3,7,20	9936	FAIRCHILD	14	7	3
L1,5,10,12,14,16	9946	FAIRCHILD	14	7	6

NOTE
1. ALL DIODES ARE WL380-1001 EXCEPT AS NOTED* (QTY 23) *(QTY 2)
2. ALL RESISTORS ARE 1/4 W

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

NO.	REVISION	DATE	BY
1	ECN# 1471 REMOVED R11 S.L.K.	4/8/70	S.L.K.
2	ECN 1502 R2 WAS 15K APP. RJT.	5/1/70	
3	PER ECN #1557 DELETE R19, R15 WAS 100K APP RJT	6/3/70	
4	PER ECN #3025 R17 WAS 1.0 MEG R18 WAS 1K R20 WAS 2.2K ADDED C4 & C5 APP. SKH	6-8-72	
5	REVISED PER E.C. #3076 APP'D SKH		

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

DWN JB 1/14/70 · CHK RJT 3/13/70 · E ENGR SKH 3/13/70

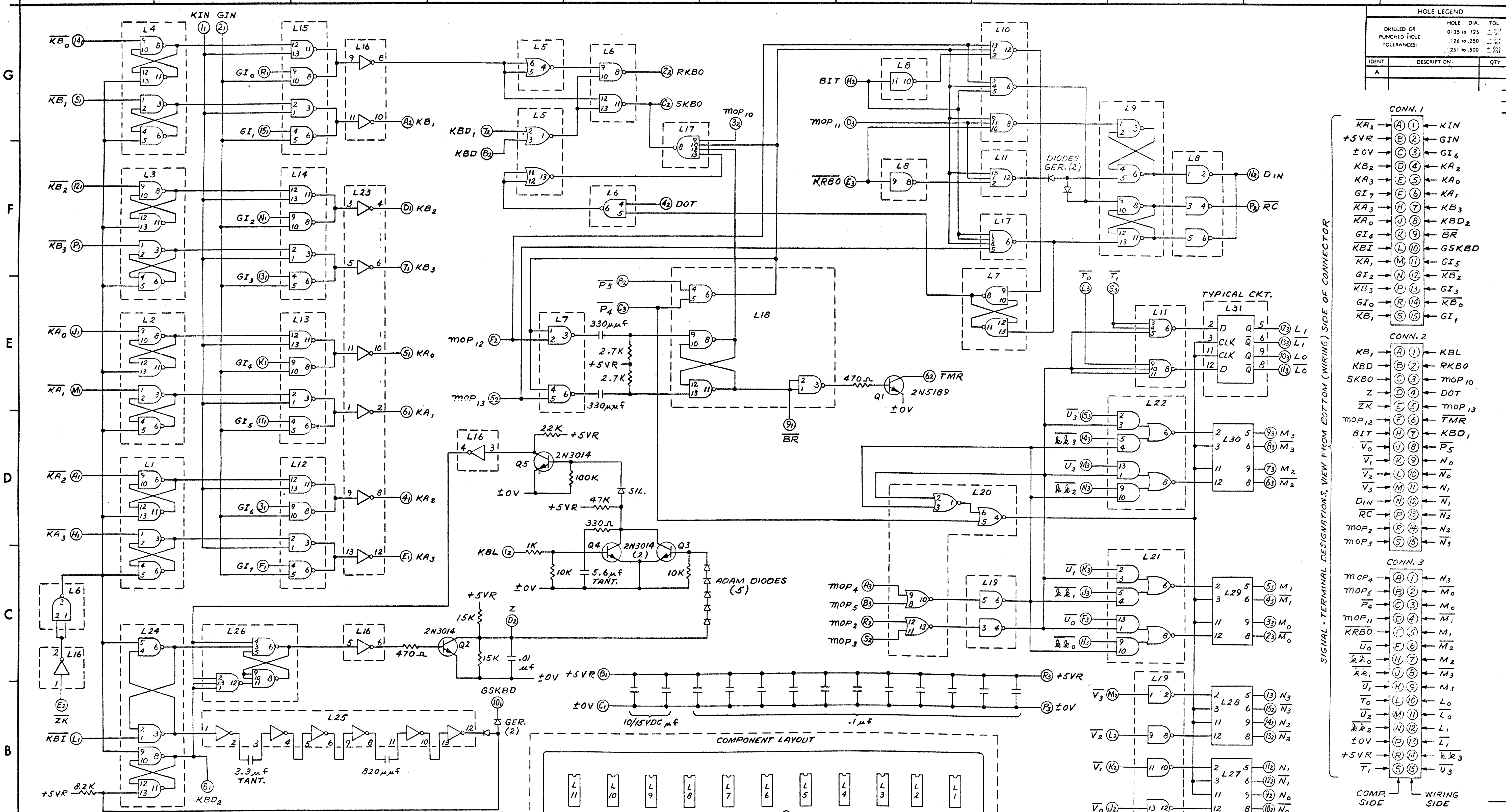
TITLE SCHEMATIC LOGIBLOC #5924 TAPE IN & OUT, NIXIE TUBE DECODER

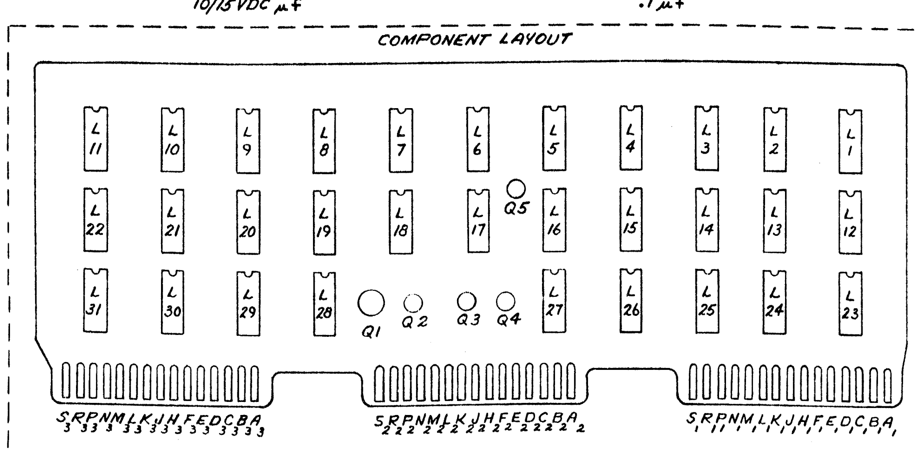
SEE ENGRG SPECIFICATIONS No.

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

D 5924-1 REV 5

DO NOT SCALE





I.C. LOCATION	TYPE	W.L. NO.	TERM FOR VCC +5V	TERM FOR ±OV	QTY.
L17	F9930	376-0022	14	7	1
L25	F9935	376-0025	14	7	1
L6,16,23	F9936	376-0026	14	7	3
L1,2,3,4,6,7,9,12,13,14,15,24	F9946	376-0023	14	7	12
L10	F9963	376-0033	14	7	1
L18	SN7400N	376-0002	14	7	1
L5,20	SN7402N	376-0016	14	7	2
L19	SN7404N	376-0010	14	7	1
L11,26	SN7410N	376-0003	14	7	2
L21,22	SN7451N	376-0012	14	7	2
L27,28,29,30,31	SN7474N	376-0006	14	7	5

REVISION
1 REVISED: PER E.C. #1619 APPD RJT
2 REVISED: PER E.C. #1721 APPD RJT
3 REVISED: PER E.C. #1726 APPD RJT
4 REVISED: PER E.C. #3613 APPD SKH

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

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

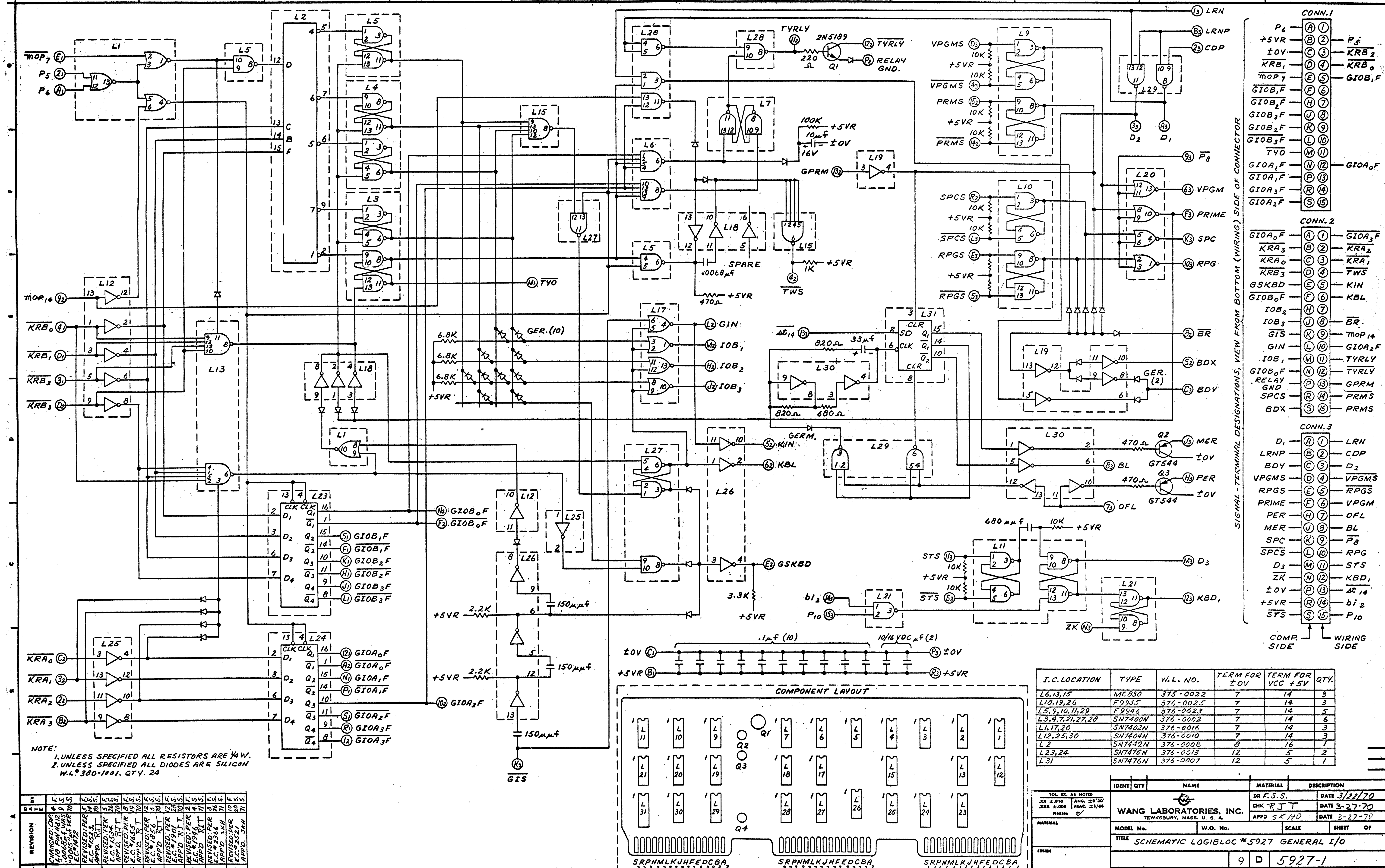
MATERIAL | MODEL NO. | SEE ENGRG SPECIFICATIONS No.
FINISH | TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128√
SCALE | SHT OF

MATERIAL		DESCRIPTION	
BY	DATE	APPROVED BY	DATE
DWN F.S.S.	11-25-?	E ENGR SKH	3/17/?
CHK RJT	3-13-72	M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE SCHEMATIC LOGIBLOC #5926 KBD, CORE ADDRESS, KEYBOARD REG.

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
	D	5926-1	4

DO NOT SCALE



NOTE:

1. UNLESS SPECIFIED ALL RESISTORS ARE 1/4W.
2. UNLESS SPECIFIED ALL DIODES ARE SILICON W.L.# 380-1001. QTY. 24

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5V	QTY.
L6,13,15	MC830	375-0022	7	14	3
L18,19,26	F9935	376-0025	7	14	3
L5,9,10,11,29	F9946	376-0023	7	14	5
L3,4,7,21,27,28	SN7400N	376-0002	7	14	6
L1,17,20	SN7402N	376-0016	7	14	3
L12,25,30	SN7404N	376-0010	7	14	3
L2	SN7442N	376-0008	8	16	1
L23,24	SN7475N	376-0013	12	5	2
L31	SN7476N	376-0007	12	5	1

NO.	REVISION	DATE	BY
1	CHANGED: CAP. L18 PIN 11&12 ".0068μf WAS ".0015"μf PER E.C.#1472	4 9 70	F.S.S.
2	REVISED: PER E.C.#1523. APP'D. RJT	5 14 70	F.S.S.
3	REVISED: PER E.C.#1534 APP'D. RJT	5 26 70	F.S.S.
4	REVISED: PER E.C.#1655 APP'D. RJT	8 19 70	F.S.S.
5	REVISED: PER E.C.#1856 APP'D RJT	12 5 70	F.S.S.
6	REVISED: PER E.C.#1901 APP'D RJT	12 28 70	F.S.S.
7	REVISED: PER E.C.#1946 APP'D RJT	2 4 71	F.S.S.
8	REVISED: PER E.C.#2366 APP'D SKH	8 26 71	F.S.S.
9	REVISED: PER E.C.#2521 APP'D. SKH	10 20 71	F.S.S.

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

IDENT	QTY	NAME	MATERIAL	DESCRIPTION

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

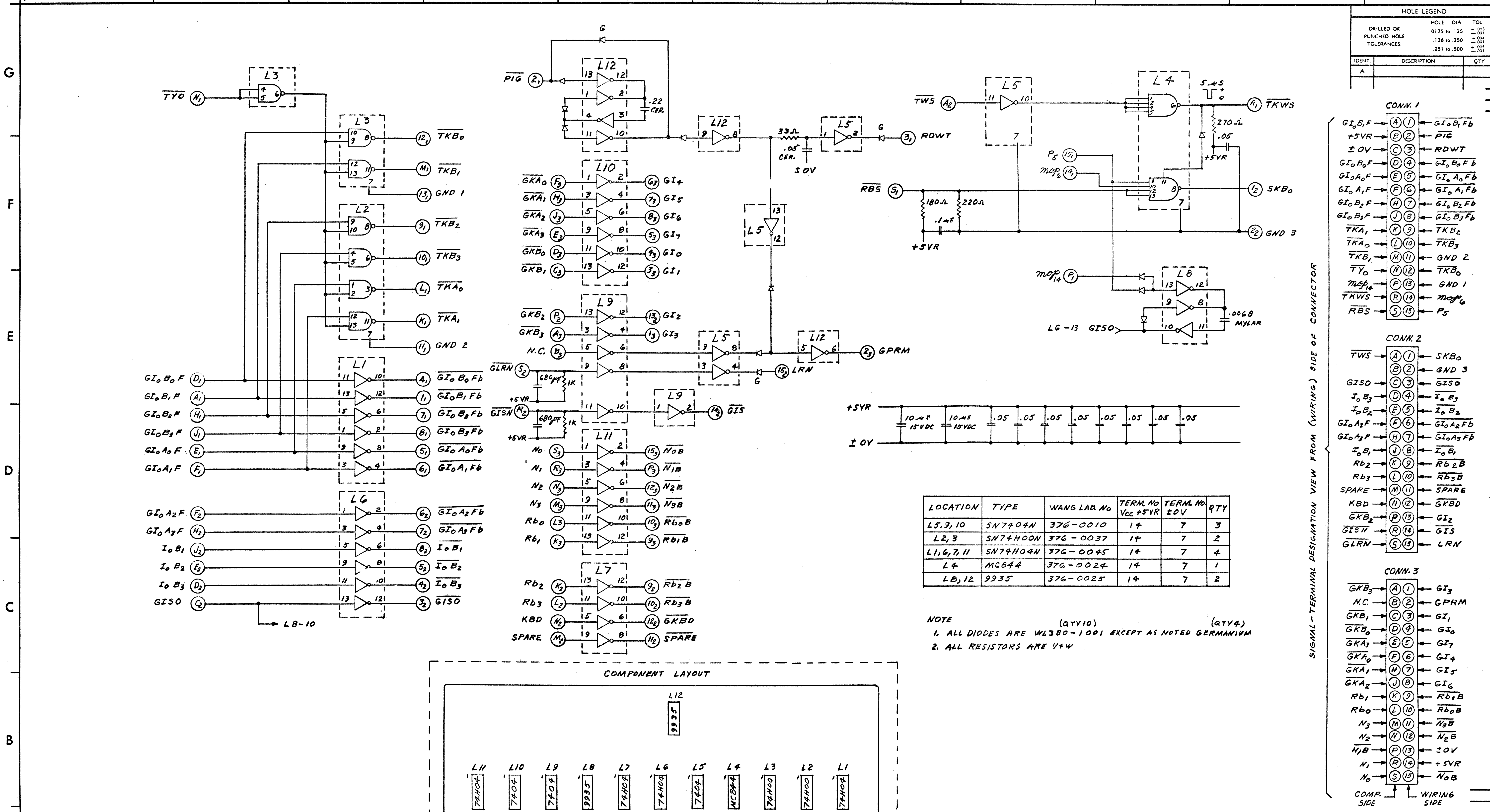
DR F.S.S. DATE 3/22/70
CHK RJT DATE 3-27-70
APPD SKHD DATE 3-27-70

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

TITLE SCHEMATIC LOGIBLOC #5927 GENERAL I/O

PART NUMBER	REV	SIZE	DRAWING NUMBER
	9	D	5927-1

D 5927-1



LOCATION	TYPE	WANG LAB. No	TERM. No Vcc +5VR	TERM. No. ±0V	QTY
L5,9,10	SN7404N	376-0010	14	7	3
L2,3	SN74H00N	376-0037	14	7	2
L1,6,7,11	SN74H04N	376-0045	14	7	4
L4	MC844	376-0024	14	7	1
L8,12	9935	376-0025	14	7	2

NOTE
1. ALL DIODES ARE WL380-1001 (QTY 10) EXCEPT AS NOTED GERMANIUM (QTY 4)
2. ALL RESISTORS ARE 1/4 W

NO.	REVISION	DATE	BY
1	PER ECN #1483 ADDED 1K RESISTOR AND 680 pF CAP FROM PIN 9 L9, TO +5VR, ADDED 1K RESISTOR AND 680 pF CAP FROM PIN 11 L9 TO +5VR	4/17/70	RJT
2	PER ECN #1495 REMOVE DIODE FROM L4 PIN 8	6-23-70	RJT
3	PER ECN #1658 ADDED 2.2K & .05 CAP TO PIN (R1) AND CHANGE 270Ω TO 1.8K. APP. - RJT	7-14-70	
4	PER ECN #1732 DELETED 1.8K AND 2.2K. ADDED 270 Ω RESISTOR APP. RJT	9-23-70	

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

	BY	DATE	APPROVED BY	DATE
DWN		2/3/70	E ENGR SKH	3/27/70
CHK	RJT	3-27-70	M ENGR	
E. C. CONTROL			MFG ENGR	

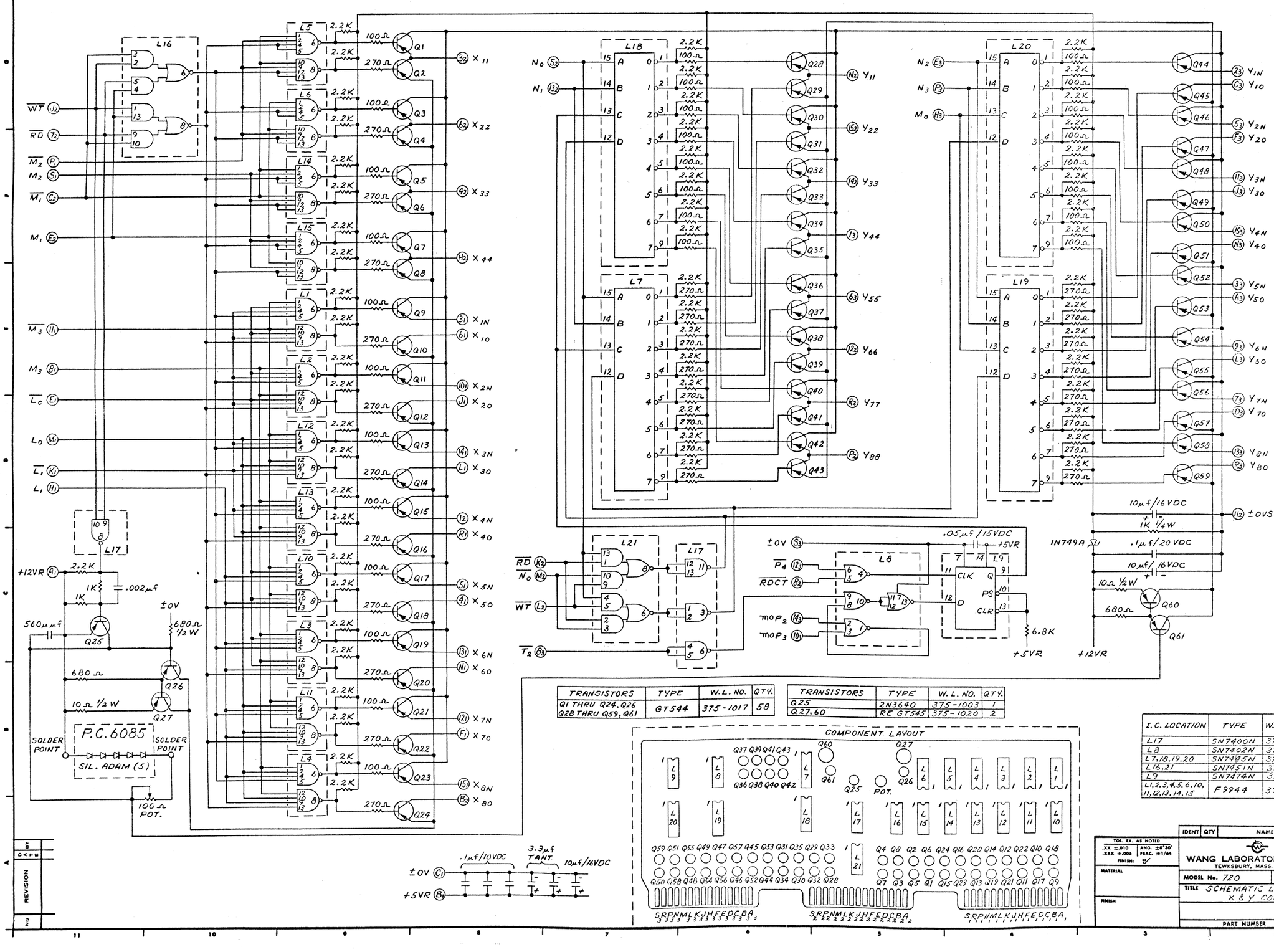
TITLE SCHEMATIC LOGIBLOC #5928 BUFFER BOARD

SEE ENGRG SPECIFICATIONS No.

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

D | 5928-1 | 4

DO NOT SCALE



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

CONN.1

+12VR	A 1	
+5VR	B 2	
±0V	C 3	← X 1N
	D 4	← X 50
L0	E 5	← X 5N
X70	F 6	← X 10
L1	H 7	
X20	J 8	← M 3
L1	K 9	
X30	L 10	← X 2N
L0	M 11	← M 3
X60	N 12	← X 7N
M2	P 13	← X 6N
X40	R 14	← X 3N
M2	S 15	← X 8N

CONN.2

	A 1	← X 4N
X80	B 2	
M1	C 3	← X 11
	D 4	← X 33
M1	E 5	
	F 6	← X 22
X44	H 7	← RD
WT	J 8	← RDCT
RD	K 9	
WT	L 10	
No	M 11	← ±0VS
Y11	N 12	← Y66
Y88	P 13	← N1
Y77	R 14	← Y33
No	S 15	← Y22

CONN.3

Y50	A 1	Y44
	B 2	Y1N
Y10	C 3	Y5N
Y70	D 4	
N2	E 5	Y2N
Y20	F 6	Y55
Mo	H 7	Y7N
Y30	J 8	T2
	K 9	Y6N
Y60	L 10	mop3
	M 11	Y3N
Y40	N 12	T1
N3	P 13	Y8N
Y80	R 14	mop2
±0V	S 15	Y4N

COMP. SIDE — WIRING SIDE

TRANSISTORS	TYPE	W.L. NO.	QTY.
Q1 THRU Q24, Q26 Q28 THRU Q59, Q61	GT544	375-1017	58

TRANSISTORS	TYPE	W.L. NO.	QTY.
Q25	2N3640	375-1003	1
Q27, 60	RE GT545	375-1020	2

COMPONENT LAYOUT

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR VCC +5V	TERM FOR ±0V	QTY
L17	SN7400N	376-0002	14	7	1
L8	SN7402N	376-0016	14	7	1
L7,18,19,20	SN7495N	376-0032	16	8	4
L16,21	SN7451N	376-0012	14	7	2
L9	SN7474N	376-0056	14	7	1
L1,2,3,4,5,6,10, 11,12,13,14,15	F9944	376-0024	14	7	12

REVISION	BY	DATE
NO		

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

MATERIAL

FINISH

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

IDENT	QTY	NAME	MATERIAL	DESCRIPTION
			DR F.S.S.	DATE 7/22/70
			CHK R.E.	DATE 9-14-70
			APPD	DATE

MODEL No. 720 | W.O. No. | SCALE | SHEET OF

TITLE SCHEMATIC LOGIBLOC # 5929 (WITH P.C. 6085) X & Y CORE DRIVER

PART NUMBER	REV	SIZE	DRAWING NUMBER
	D		5929-1

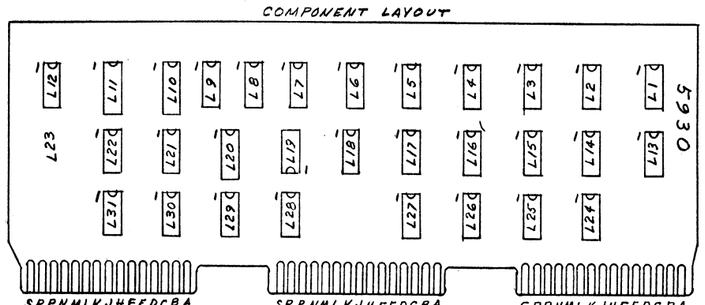
D 5929-1

DO NOT SCALE

COMPONENT	SIZE/TYPE	WANG PART No.	QTY
R1, 6	10K ¼W	330-4010	2
R2,3,4,5	1K ¼W	330-3010	4
C1, 13	10-4F 15VDC	300-3006	2
C2 THRU C12	.1-4F	300-1901	11
D1, 2, 3, 4	GERM.	380-0000	4

LOCATION	TYPE	WANG PART No.	TERM No. V_{cc} +5VR	TERM No. ±0V	QTY
L1,2,3,4,5,6,7,9,25,28	SN7400N	376-0002	14	7	10
L8	SN7400N	376-0002	14	7	1
L10, 11	SN7442N	376-0008	16	8	2
L12, 30, 31	SN7401N	376-0015	14	7	3
L13,14,15,16,17,18	SN7474N	376-0006	14	7	6
L19	SN7420N	376-0004	14	7	1
L20	SN7476N	376-0007	5	13	1
L21, 22, 29	SN7404N	376-0010	14	7	3
L24, 27	SN7402N	376-0016	14	7	2
L26	9936	376-0026	14	7	1

COMPONENT LAYOUT



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

CONN. 1

$\overline{JAD_7}$	A	1			Jad_8
+5VR	B	2			$\overline{Jad_8}$
±0V	C	3			$\overline{Jad_7}$
$\overline{JAD_8}$	D	4			$\overline{JAD_5}$
Jad_7	E	5			$\overline{B_3}$
$\overline{B_3}$	F	6			bc_0+bc_2
Jad_6	H	7			$\overline{B_2}$
Jad_4	J	8			B_2
$\overline{JAD_6}$	K	9			$\overline{B_1}$
$\overline{JAD_3}$	L	10			B_1
Jad_5	M	11			$\overline{B_0}$
P_0	N	12			B_0
$\overline{EK}$	P	13			$\overline{Jad_5}$
Jad_4	R	14			$\overline{P_3}$
Jad_2	S	15			CPR

CONN. 2

$\overline{JAD_1}$	A	1			$\overline{JAD_4}$
Jad_3	B	2			Jad_3
Jad_2	C	3			KBD$_2$
$\overline{JAD_2}$	D	4			$\overline{Jad_2}$
$\overline{Jad_1}$	E	5			Jad_1
RPG	F	6			PRIME
VPGM	H	7			SPC
Jad_0	J	8			$\overline{Jad_0}$
$\overline{JAD_0}$	K	9			$\overline{JH_2}$
$\overline{jl}$	L	10			$\overline{JH_0}$
$\overline{jh}$	M	11			$\overline{jl}$
$\overline{JH_1}$	N	12			$\overline{jh}$
	P	13			$\overline{JL_1}$
$\overline{KBD_1}$	R	14			mcp_3
$\overline{acp_7}$	S	15			TEI

CONN. 3

KBD	A	1			$\overline{JL_2}$
$\overline{JL_0}$	B	2			$\overline{L_{12}}$
OFL	C	3			$\overline{P_8}$
g	D	4			S_2
S_0	E	5			SC
$\overline{jl_0}$	F	6			ALU
$\overline{jh_7}$	H	7			S_1
$\overline{jl_7}$	J	8			CC
S_3	K	9			$\overline{jh_0}$
	L	10			
	M	11			
ADF	N	12			
±0V	P	13			
+5VR	R	14			
	S	15			P_2

COMP. SIDE — WIRING SIDE

NO.	REVISION	BY	DATE
1	PER ECN 2723 L8 WAS 9946 APP.:- SKH	SB	9-25-72

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.	
700-C	SB 9/23/71	SKH	10/22/71
	CHECKED 10/19/71	APP.	

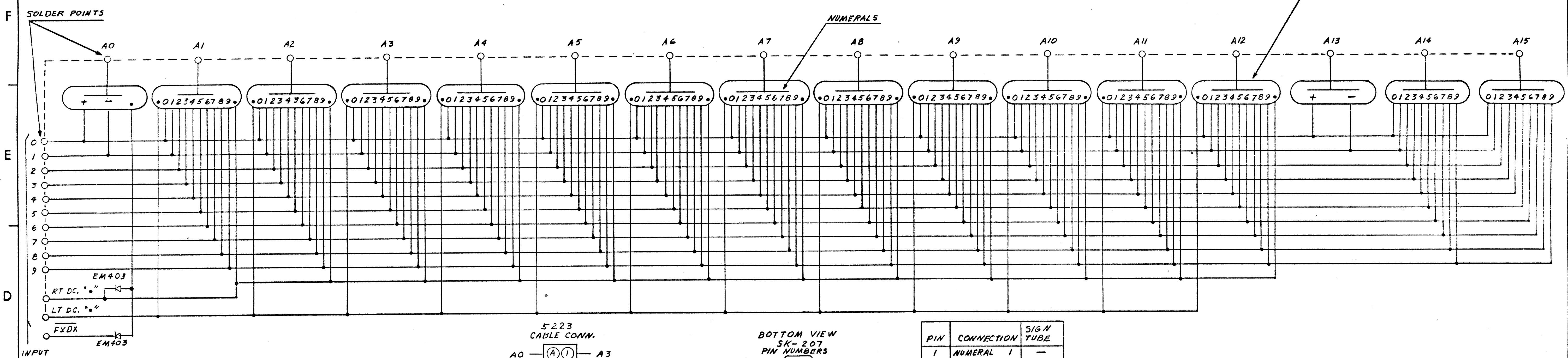
TITLE: SCHEMATIC LOGIBLOC #5930
JH, JL, JAD (ROM ADRESS)

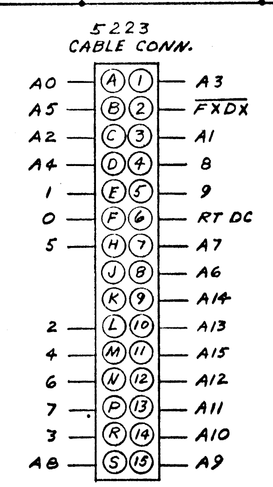
SHT OF | DWG. NO. D 5930-1 | REV. 7

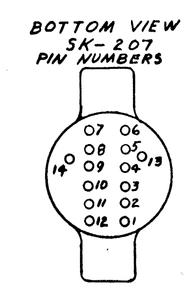
DO NOT SCALE

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		







PIN	CONNECTION	SIGN TUBE
1	NUMERAL 1	−
2	" 2	
3	" 3	
4	" 4	
5	" 5	
6	" 6	+
7	ANODE	ANODE
8	NUMERAL 7	
9	" 8	
10	ANODE	
11	NUMERAL 9	
12	" 0	
13	RT. DC. PT.	RT. DC. PT.
14	LF. DC. PT	

TUBE TYPE	WANG. NO.	QTY
SIGN	340-0010	2
NUMERAL	340-0011	14

D 5936-1

NO	DATE	BY	REVISION
1	5/14/71		PER ECN #2149 ADDED FXDX CKT, ADDED 5223 CABLE CONN. ADDED NOTE FOR MODEL 500 RT APP.

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	2/25/70	E ENGR SKH	3/13/70
CHK RIT	3-13-70	M ENGR	
E. C. CONTROL		MFG ENGR	

MATERIAL

MODEL NO. 700/500

SEE ENGRG SPECIFICATIONS No.

FINISH

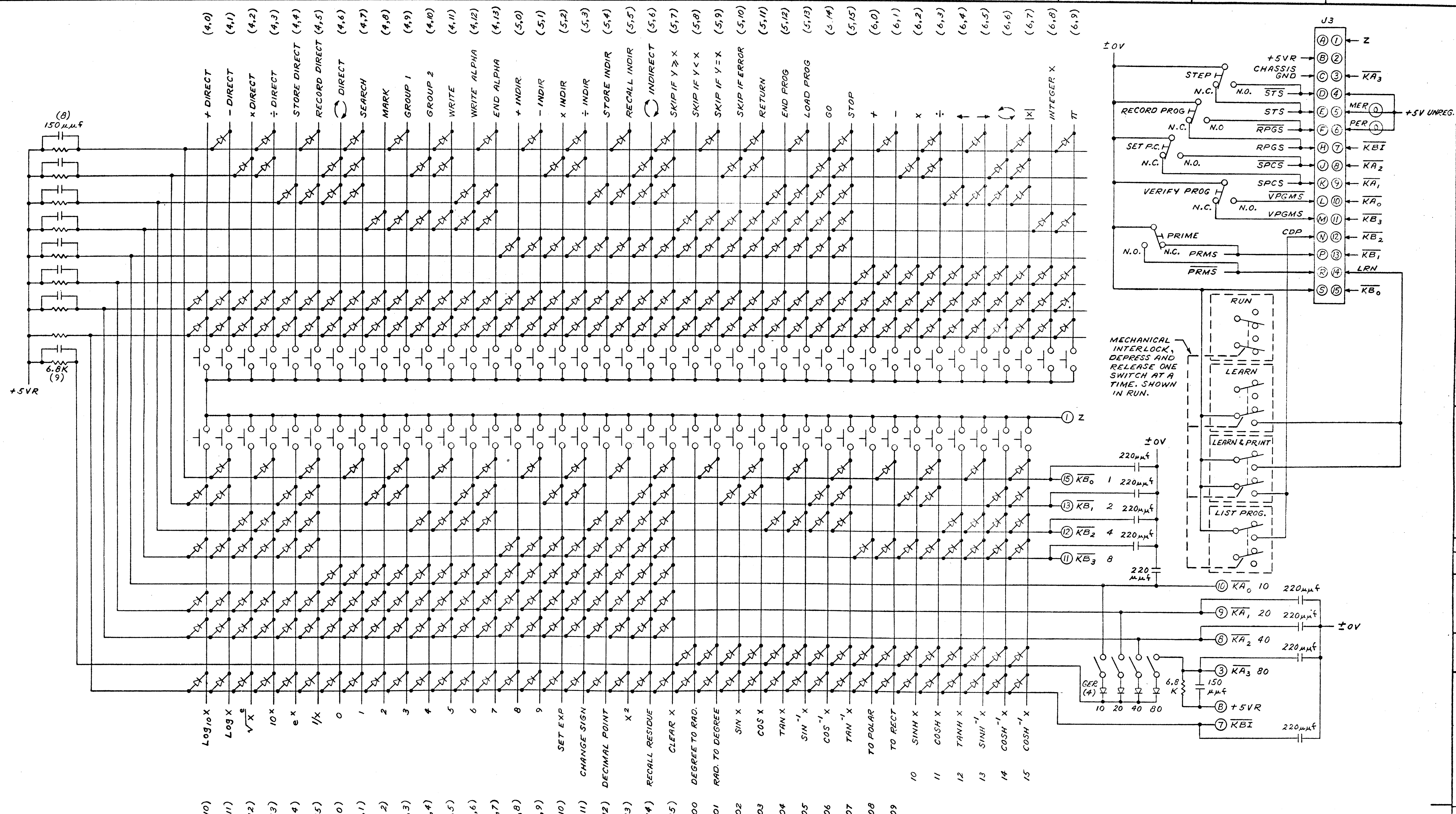
TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128√

SCALE | SHT OF

TITLE SCHEMATIC LOGIBLOC # 5936 NIXIE DISPLAY

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
	D	5936-1	1

DO NOT SCALE



NO	REVISION	DATE	BY
1	REVISED: PER E.C.#262 APPD. S.K.H.	2/20/70	F.S.

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

MATERIAL

FINISH

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

DR F.S.S.	DATE 1-29-70
CHK R.T.	DATE 2-13-70
APPD S.K.H.	DATE 3-13-70

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

TITLE MODEL 700 KEYBOARD

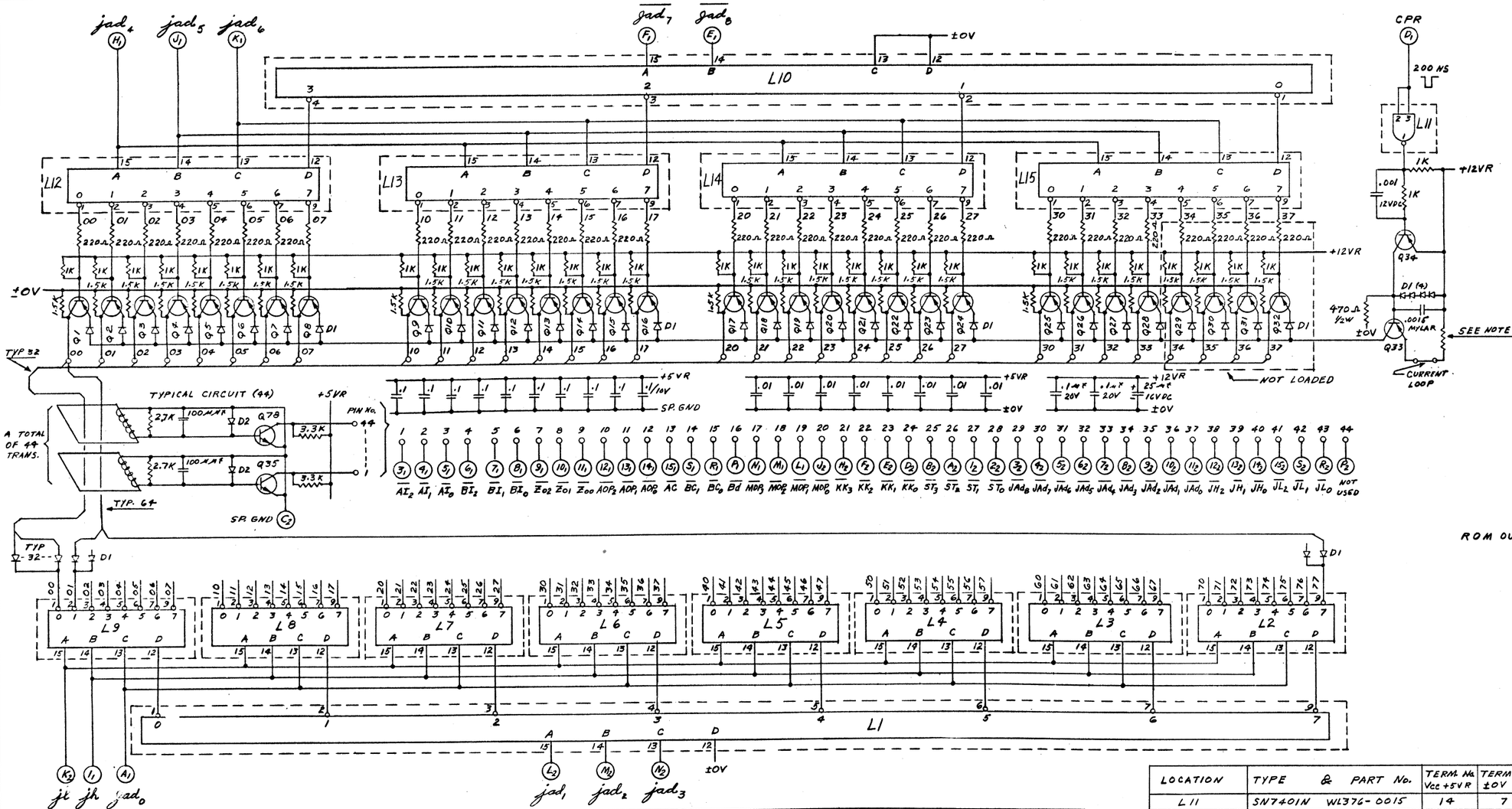
PART NUMBER — REV 1 — SIZE D — DRAWING NUMBER 5937-1

D 5937-1

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		



J1

jad_0	A 1	jh
+5VR	B 2	+12VR
±0V	C 3	$\overline{AI_2}$
CPR	D 4	$\overline{AI_1}$
$\overline{jad_8}$	E 5	$\overline{AI_0}$
$\overline{jad_7}$	F 6	$\overline{BI_2}$
$\overline{jad_6}$	H 7	$\overline{BI_1}$
$\overline{jad_5}$	J 8	$\overline{BI_0}$
$\overline{jad_4}$	K 9	$\overline{Z_{02}}$
$\overline{MOP_1}$	L 10	$\overline{Z_{01}}$
$\overline{MOP_2}$	M 11	$\overline{Z_{00}}$
$\overline{MOP_3}$	N 12	$\overline{AOP_2}$
$\overline{Bd}$	P 13	$\overline{AOP_1}$
$\overline{BC_0}$	R 14	$\overline{AOP_0}$
$\overline{BC_1}$	S 15	$\overline{AC}$

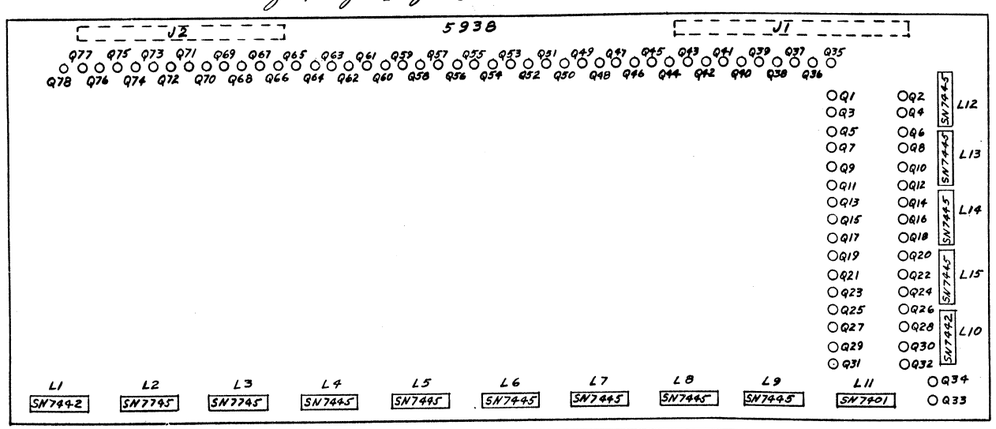
J2

$\overline{ST_2}$	A 1	$\overline{ST_1}$
$\overline{ST_3}$	B 2	$\overline{ST_0}$
ROM OUTPUT GND	C 3	$\overline{JAd_8}$
$\overline{KK_0}$	D 4	$\overline{JAd_7}$
$\overline{KK_1}$	E 5	$\overline{JAd_6}$
$\overline{KK_2}$	F 6	$\overline{JAd_5}$
$\overline{KK_3}$	H 7	$\overline{JAd_4}$
$\overline{MOP_0}$	J 8	$\overline{JAd_3}$
jl	K 9	$\overline{JAd_2}$
jad_1	L 10	$\overline{JAd_1}$
jad_2	M 11	$\overline{JAd_0}$
jad_3	N 12	$\overline{JK_2}$
NOT USED	P 13	$\overline{JH_1}$
$\overline{JL_0}$	R 14	$\overline{JH_0}$
$\overline{JL_1}$	S 15	$\overline{JL_2}$

LOCATION	TYPE & PART No.	TERM. No. Vcc +5VR	TERM. No. ±0V	QTY
L11	SN7401N WL376-0015	14	7	1
L1, 10	SN7442N WL376-0008	16	8	2
L2,3,4,5,6,7,8,9,12,13,14,15	SN74145N WL376-0069	16	8	12

COMP.	SIZE / TYPE	QTY
D1	WL380-1001	1620
D2	GERMANIUM	44
Q1 THRU 33	GT544	29
Q34	2N4038	1
Q35 THRU 78	2N3014	44

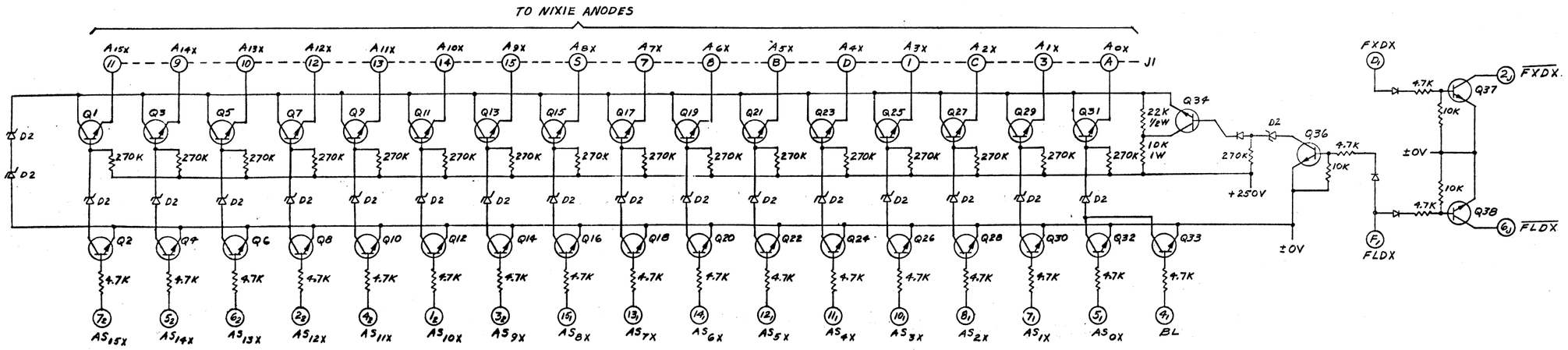
NOTE:
1. ALL RESISTORS ARE ¼ W EXCEPT AS NOTED
2. RESISTOR ADJUSTED AT FINAL ASSEMBLY 30 Ω ½W 5% NOMINAL.

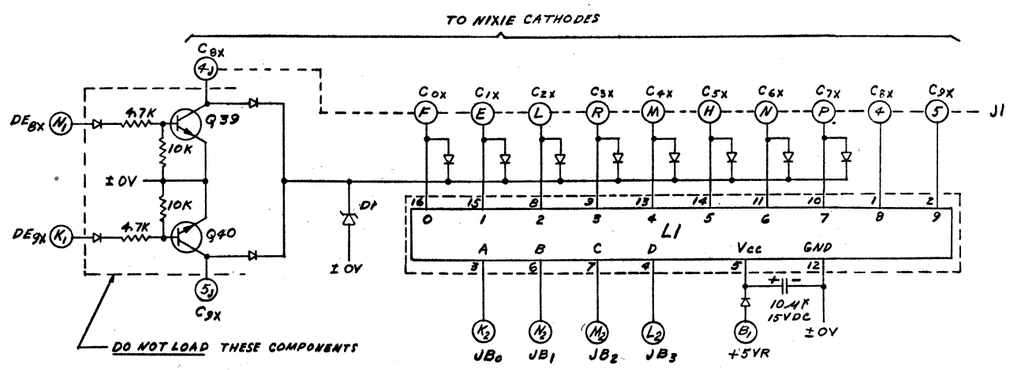


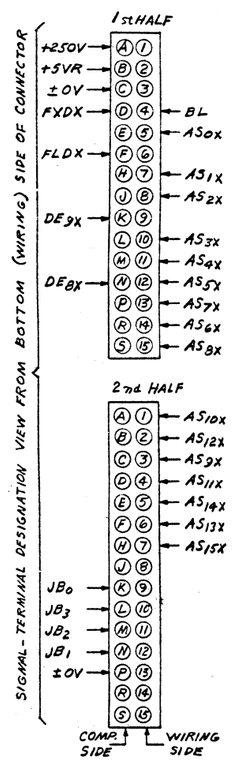
BY	REVISION	DATE
0	PER ECN #1227 ADDED 15K FROM COLLECTOR TO E ON Q1 THRU 32 A.P. RJT.	9/21/70
1	PER ECN #1959 CHANGED 2.8K 1% NOMINAL TO NOTE 2 RESULTS ADJUSTED AT FINAL ASSEMBLY A.P. RJT	2-8-71
2	PER ECN #2390 L2,3,4,5,6,7,8,9,12, 13,14,15 WAS 376-0032 ADD:- SKH	9/10/71
3		

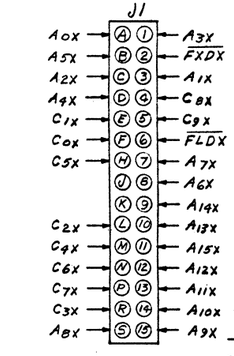
WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION
Qty. Per Unit / FIRST USED ON / ASSY USED ON			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		BY / DATE / APPROVED BY / DATE
				DWN RB	11/27/70 E ENGR S K H 12/4/70
				CHK RJT	5-1-70 M ENGR
				E. C. CONTROL	MFG ENGR
MATERIAL		MODEL NO.	TITLE SCHEMATIC LOGIBLOC #5938 R.O.M. DECODER & DRIVING CIRCUIT		
		SEE ENGRG SPECIFICATIONS No.			
FINISH		TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125			
		SCALE 4/1 SHT OF		WANG PART NUMBER	SIZE D / DRAWING NUMBER 5938-1 / REV. 3

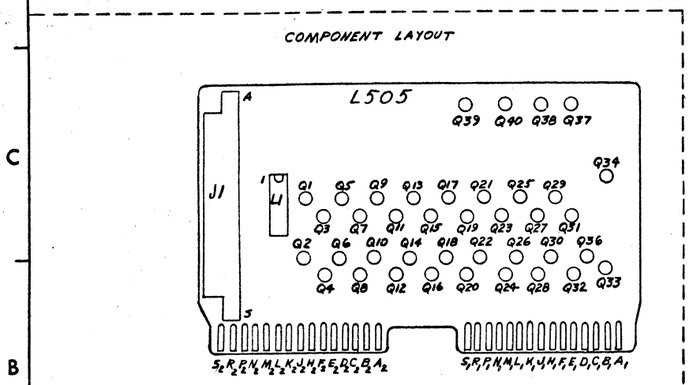
5938-1











LOCATION	TYPE & MFR'R	TERM No. VCC + 5VR	TERM No. ±0V	QTY
L1	SN74141N SIGNETICS CORP.	5	12	1

NOTE:
1. ALL DIODES EM403 UNLESS SPECIFIED OTHERWISE (QTY 15) D1 WL380-2127 (1) (60V) D2 WL380-2125 (19) (110V)
2. ALL TRANSISTORS ARE 2N3490 (QTY 39)

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		

REVISION	DATE	BY
1 PER ECN 1510 REMOVED 16-10K RESISTORS, ADDED 16-390 PF CAP. APP. RJT	4/30/70	RJT
2 PER ECN 1517 ADDED .0047 uF 50V CAP. CER. APP. RJT	5/6/70	RJT
3 PER ECN # 1526 ADDED 390 PF TO Q36 AND CHANGED 10K TO 180K APP. RJT	5/19/70	RJT
4 PER ECN # 1637 ADDED 2 TRACKS TO L1 PIN 14-2, ADDED NOTE TO L1 APP. RJT	6/17/70	RJT
5 PER ECN # 1835 REVISED WITH EXTENSIVE CHANGE APP. RJT	11-20-70	RJT
6 PER ECN 2490 REMOVED D3 220V ZENER ADDED 2-D2 110V ZENERS APP:- SKH	9/21/71	SKH
7 PER ECN #2595 D1 WAS 380-2123 ADDED 10 DIODES EM403 APP:- SKH	11/29/71	SKH

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. 700

SEE ENGRG SPECIFICATIONS No.

FINISH

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

SCALE SHT OF

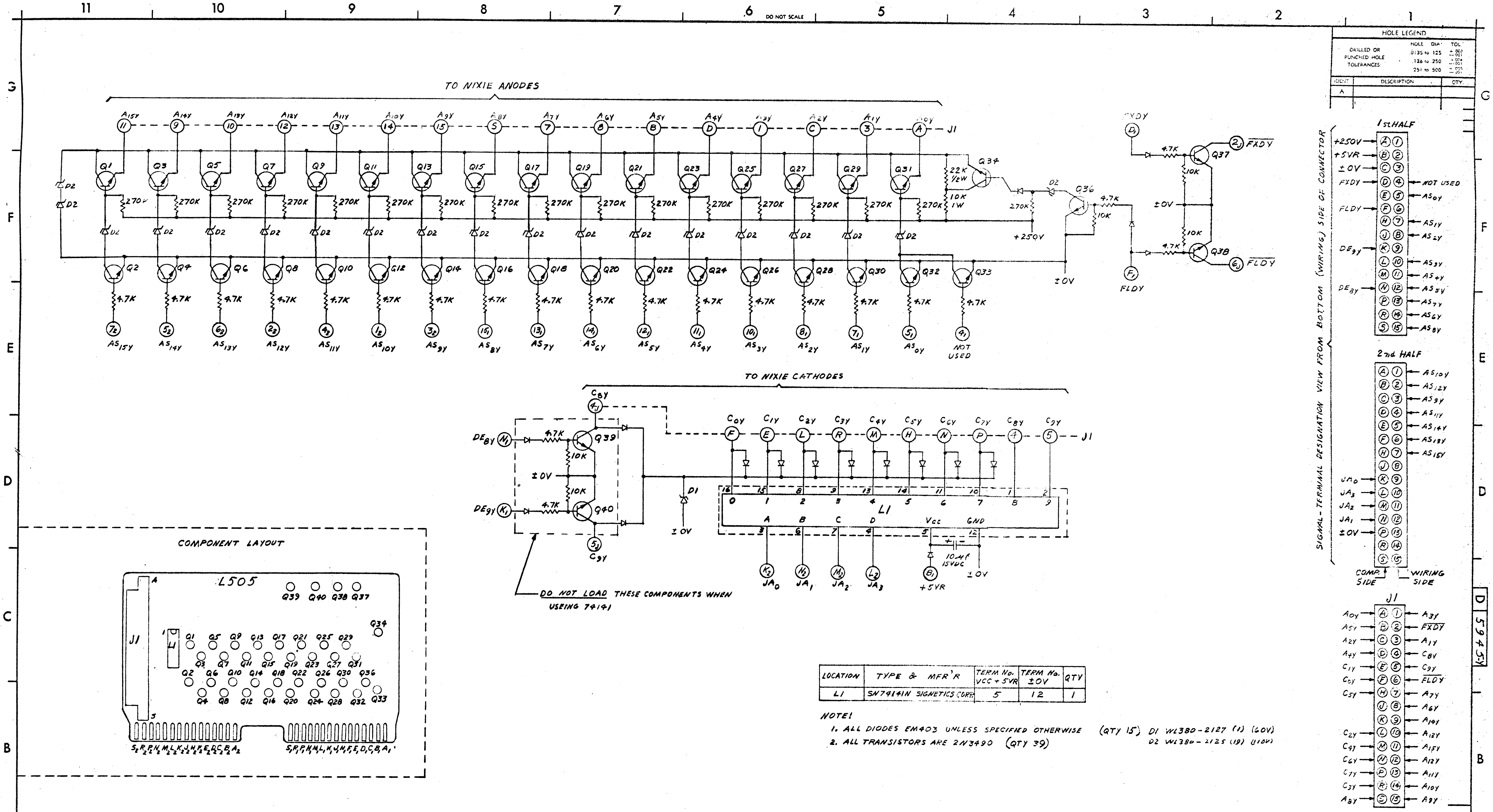
MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN JAB	12/9/69	E ENGR SKH	3/13/70
CHK RJT	3-13-70	M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE SCHEMATIC LOGIBLOC 4" X 4" NIXE CONTROL ANODE SWITCH #L505

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
	D	5945-X	7

5945X



LOCATION	TYPE & MFR'R	TERM No. VCC + 5VR	TERM No. ±0V	QTY
L1	SN74141N SIGNETICS CORP.	5	12	1

NOTE!

1. ALL DIODES EM403 UNLESS SPECIFIED OTHERWISE (QTY 15) D1 WL380-2127 (1) (60V)
2. ALL TRANSISTORS ARE 2N3490 (QTY 39) D2 WL380-2125 (19) (110V)

NO.	DATE	BY	REVISION
1	5/1/70	JB	PER ECN 1510 REMOVED 16-10K RESISTORS, ADDED 16-390PF CAPS APP. RJT
2	5/7/70	JB	PER ECN # 1517 ADDED .0047 uf 500 V CER. APP. RJT
3	5/16/70	JB	PER ECN # 1526 ADDED 390PF TO Q36 AND CHANGED 100K TO 180K APP. RJT
4	4/14/70	JB	PER ECN # 1657 ADDED 2 TRACKS TO L1 PIN 1 AND 2 ADDED NOTE TO L1 APP. RJT
5	11/20/70	JB	PER ECN # 1835 REVISED WITH [illegible] CHANGE APP. RJT
6	9/21/71	JB	PER ECN 2440 REMOVED D3 220V ZENER. ADDED 2-D2 110V ZENERS. APP:- SKH
7	11/29/71	JB	PER ECN # 2595 D1 WAS 380-2123 ADDED 10 DIODES EM403 APP:- SKH

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

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

BY	DATE	APPROVED BY	DATE
DWN JB	12/4/69	E ENGR SKH	3-13-70
CHK RJT	3-13-70	M ENGR	
E C CONTROL		MFG ENGR	

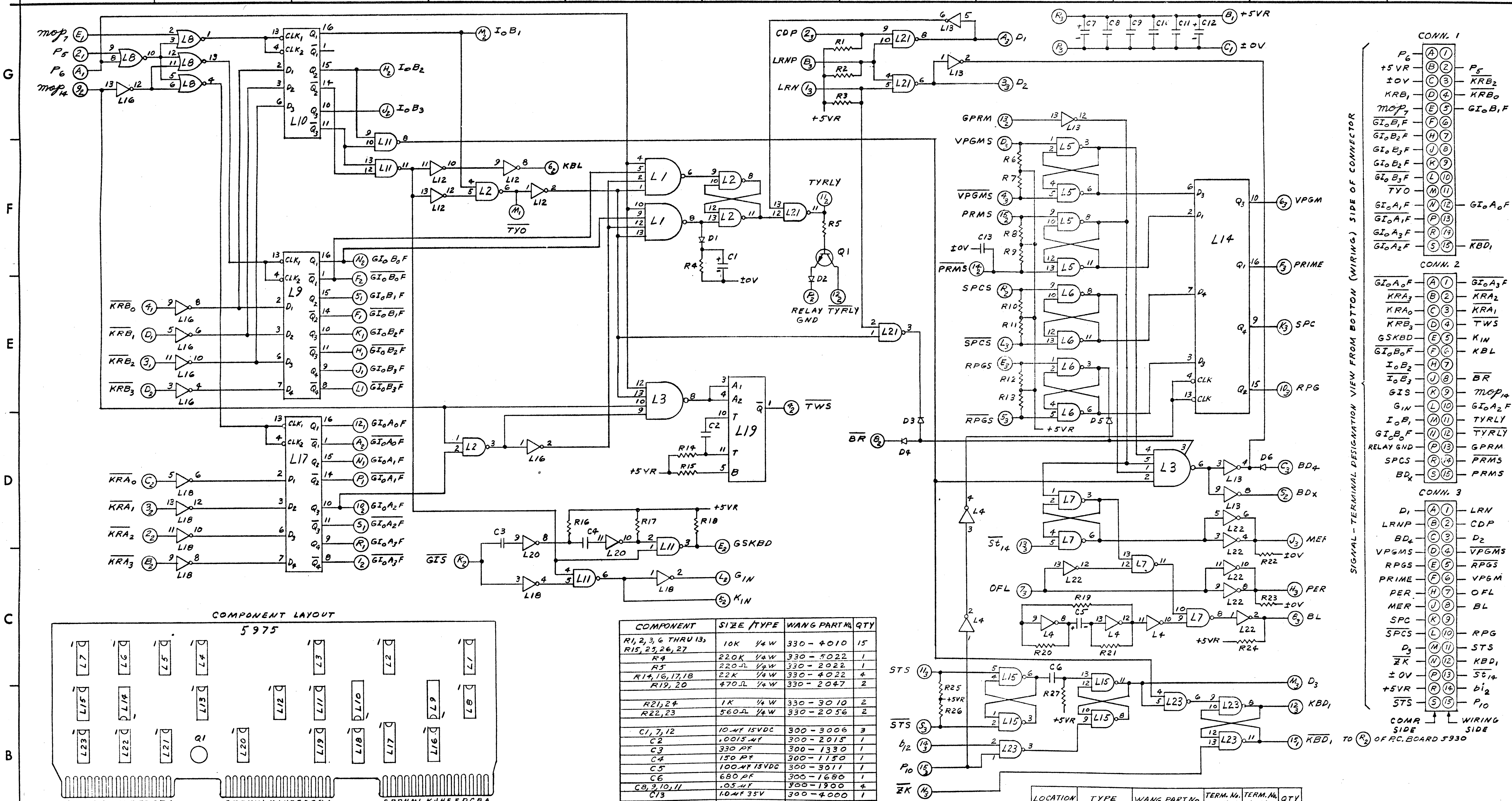
MODEL NO. 700

SEE ENGRG SPECIFICATIONS No.

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

TITLE SCHEMATIC LOGIBLOC # L505 "Y" NIXIE CONTROL ANODE SWITCH

SIZE	DRAWING NUMBER	REV.
D	5945-Y	6



COMPONENT	SIZE /TYPE	WANG PART No.	QTY
R1, 2, 3, 6 THRU 13, R15, 25, 26, 27	10K 1/4 W	330 - 4010	15
R4	220K 1/4 W	330 - 5022	1
R5	220Ω 1/4 W	330 - 2022	1
R14, 16, 17, 18	22K 1/4 W	330 - 4022	4
R19, 20	470Ω 1/4 W	330 - 2047	2
R21, 24	1K 1/4 W	330 - 3010	2
R22, 23	560Ω 1/4 W	330 - 2056	2
C1, 7, 12	10 µf 15VDC	300 - 3006	3
C2	.0015 µf	300 - 2015	1
C3	330 pf	300 - 1330	1
C4	150 pf	300 - 1150	1
C5	100 µf 15VDC	300 - 3011	1
C6	680 pf	300 - 1680	1
C8, 9, 10, 11	.05 µf	300 - 1900	4
C13	1.0 µf 35V	300 - 4000	1
D1, 6	GERM. DIODE	380 - 0000	2
D2, 3, 4, 5	SIL. DIODE	380 - 1001	4
Q1	2N5189	375 - 1021	1

LOCATION	TYPE	WANG PART No.	TERM. No. V_{cc} +5VR	TERM. No. ±0V	QTY
L1, 3	MC830P	376 - 0022	14	7	2
L2, 5, 6, 7, 11, 15, 23.	9946	376 - 0023	14	7	7
L4, 16, 18	SN7404N	376 - 0010	14	7	3
L8	SN7402N	376 - 0016	14	7	1
L14, 9, 10, 17	SN7475N	376 - 0013	5	12	4
L12, 13	9936	376 - 0026	14	7	2
L19	SN74121N	376 - 0051	14	7	1
L20	9935	376 - 0025	14	7	1
L22	SN7406N	376 - 0055	14	7	1
L21	SN7400N	376 - 0002	14	7	1

REVISION

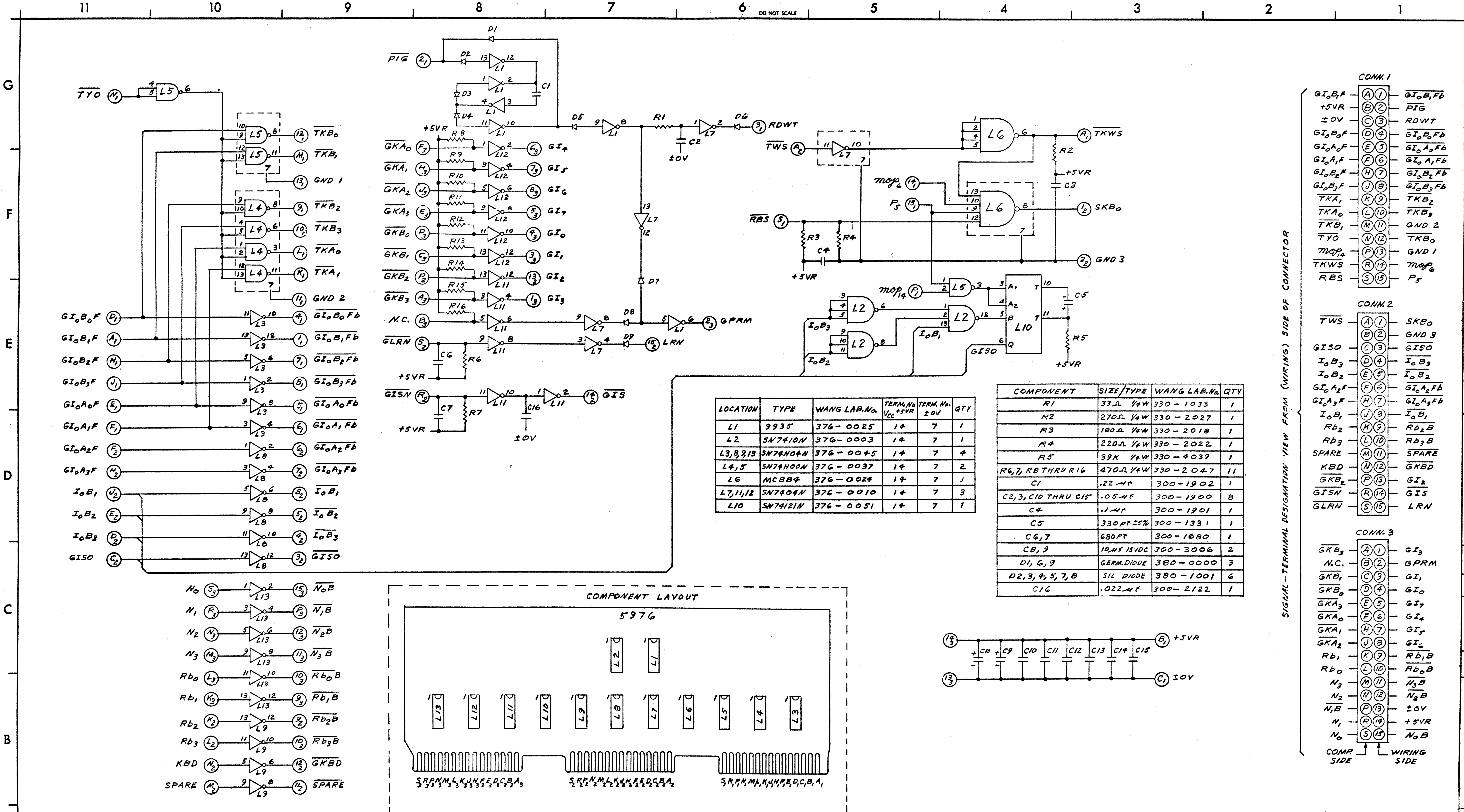
2-5-72	3-22-72	4-26-72
1 PER ECN # 2751 L14 WAS 7402, P.C. CIRCUIT CHANGE APP: SKH	2 PER ECN # 2751 ADDED C13 1.0 µf 35V APP SKH	3 PER ECN 2921 C13 WAS 1.2 µf APP SKH

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 700C 720C | DRAWN 9/30/71 | APP. SKH 1/4/72 | CHECKED | APP.

TITLE SCHEMATIC LOGIBLOC # 5975 GENERAL I/O

SHT OF 210-5975 | DWG. NO. D 5975-1 | REV. 3



LOCATION	TYPE	WANG LAB. No.	TERM. No. Vcc +5VR	TERM. No. ±0V	QTY
L1	9935	376-0025	14	7	1
L2	SN7410N	376-0003	14	7	1
L3,8,9,13	SN74H04N	376-0045	14	7	4
L4,5	SN74H00N	376-0037	14	7	2
L6	MC884	376-0024	14	7	1
L7,11,12	SN7404N	376-0010	14	7	3
L10	SN74121N	376-0051	14	7	1

COMPONENT	SIZE/TYPE	WANG LAB. No.	QTY
R1	33Ω 1/4W	330-1033	1
R2	270Ω 1/4W	330-2027	1
R3	180Ω 1/4W	330-2018	1
R4	220Ω 1/4W	330-2022	1
R5	39K 1/4W	330-4039	1
R6,7, R8 THRU R16	470Ω 1/4W	330-2047	11
C1	.22 μf	300-1902	1
C2,3, C10 THRU C15	.05 μf	300-1900	8
C4	.1 μf	300-1901	1
C5	330pf ±5%	300-1331	1
C6,7	680pf	300-1680	1
C8,9	10μf 15VDC	300-3006	2
D1,6,9	GERM. DIODE	380-0000	3
D2,3,4,5,7,8	SIL DIODE	380-1001	6
C16	.022 μf	300-2122	1

NO	DATE	REVISION
1	12/10/71	PER ECN #2621 ADDED C16, .022μf MYLAR TO L11-PIN 10 AND 1 TO GND. APP'D SKHO
2	8-10-72	PER ECN #3128 R5,6 WAS 1K ADDED R8 THRU R16 APP'D SKH

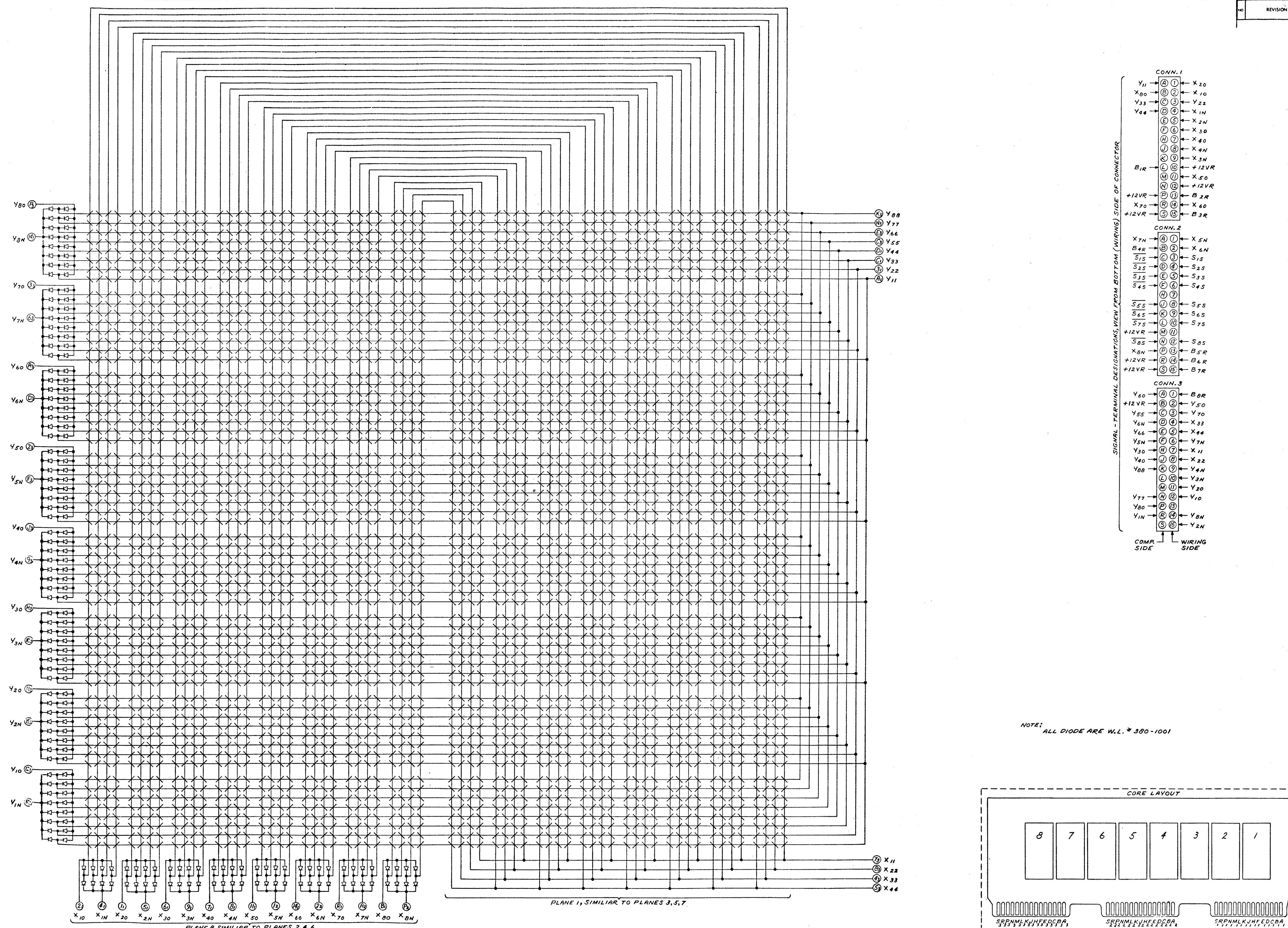
WANG LABORATORIES INC.
TEWKSBURY, MASS.

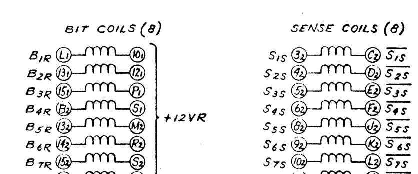
MODEL NO. 700C/720C — DRAWN 9/15/71 — APP. SKHO 9/20/71 — CHECKED 9/20/71

TITLE: SCHEMATIC LOGIBLOC #5976 BUFFER BOARD

DWG. NO. D 5976-1 — REV. 2

DO NOT SCALE





WANG PART NO	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION

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

BY	DATE	APPROVED BY	DATE
DWN E.S.S.		E ENGR	7-14-70
CHK		M ENGR	
E. C. CONTROL		MFG ENGR	

MATERIAL

MODEL NO. 72C

SEE ENGRG SPECIFICATIONS No.

FINISH

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

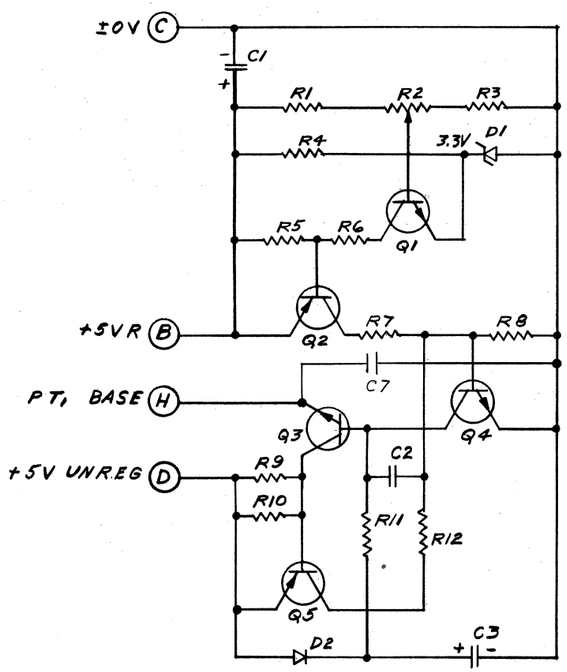
SCALE | SHT | OF

TITLE SCHEMATIC LOGIBLOC MEMORY CORE 32 x 64 x 8

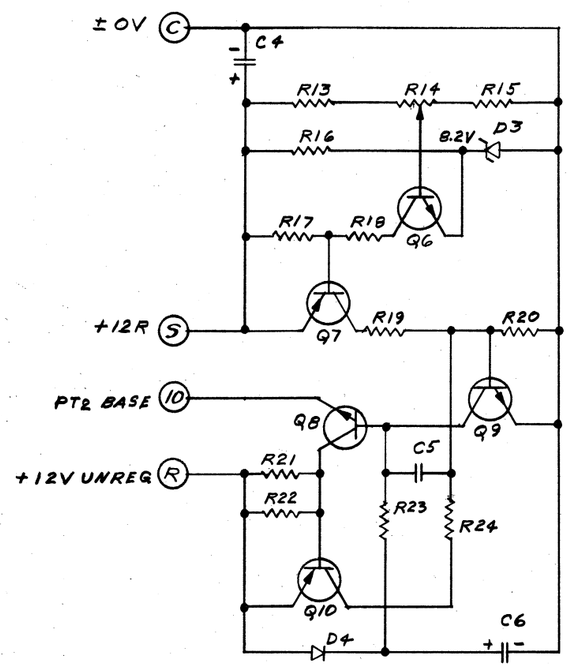
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
	E	6038-1	

DO NOT SCALE

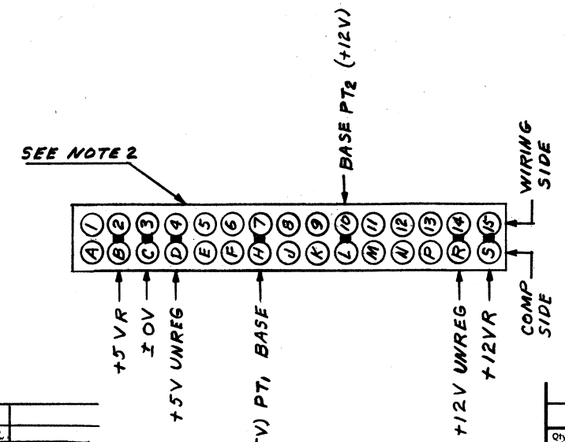
+5 V REGULATOR



+12 V REGULATOR



COMP.	SIZE / TYPE	QTY
R1, 13	220 Ω	2
R2, 14	1K POT.	2
R3, 15	1-5 K	2
R4	100 Ω 1/2W	1
R5,8,17,20	4.7K	4
R6, 18	1K	2
R7, 19	2.2K	2
R21,22	10 Ω	2
R23	330 Ω ½ W	1
R12, 24	470 Ω 1/2W	2
C1, 3	100 μF/15V	2
C2	0.1 μF/10V CER.	1
C4	50 μF/50 V	1
C6	50 μF/50 V	1
D1	IN746A	1
D2, 4	IN3253	2
Q1,4,6,9	RCA35224	4
Q2,5,7,10	GT544	4
Q8	2N5189	1
D3	IN756A	1
R9	2.7 Ω	1
R16	330Ω 10%	1
Q3	2N3725	1
C7	.01μF 25V	1
R11	100Ω 1/2W	1
C5	.1μF 20V CER.	1



NOTE:
1. ALL RESISTORS 1/4 W UNLESS SPECIFIED OTHERWISE
2. PC SOCKET IS SOLDERED ON TO PC 6052

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		

NO.	REVISION	BY	DATE
1	PER ECN 1497 R9 WAS 10Ω DELETED R10-12	LEG	4-24-70
2	PER ECN 2010 R16 WAS 330Ω ½W. NOW 330Ω ¼W 10% APP. RJT	JB	3/15/71
3	PER ECN #3104 Q3 WAS 2N5189 APP'D SKH	JB	8/2/72
4	PER ECN #3180 ADDED C7 CAP. APP'D. SKH	JB	8-25-72
5	PER ECN #3359 R11 WAS 330Ω 2W APP'D SKH	JB	11-3-72

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. 700 SYSTEM

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128 √

SCALE | SHT | OF

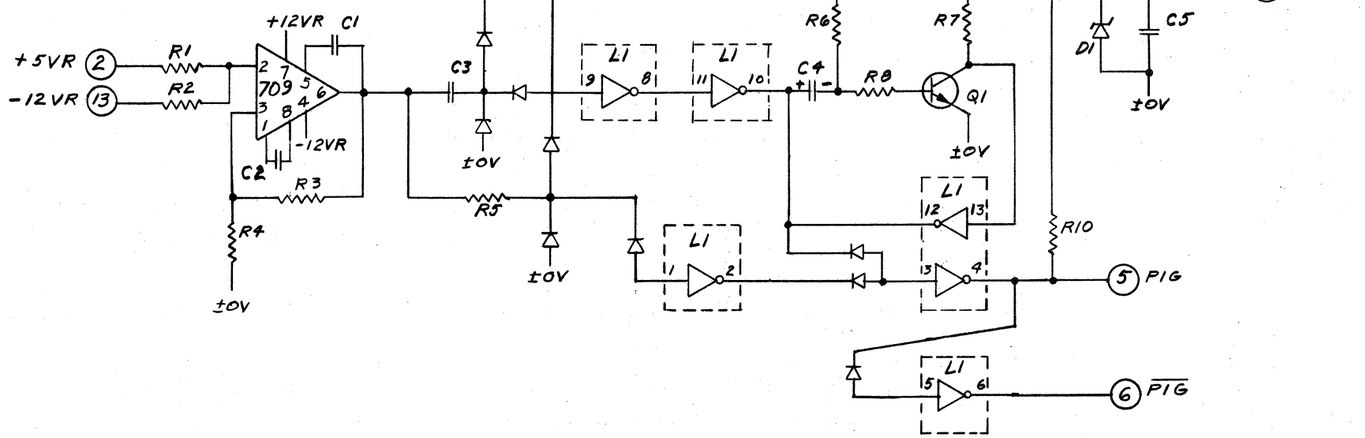
MATERIAL | DESCRIPTION

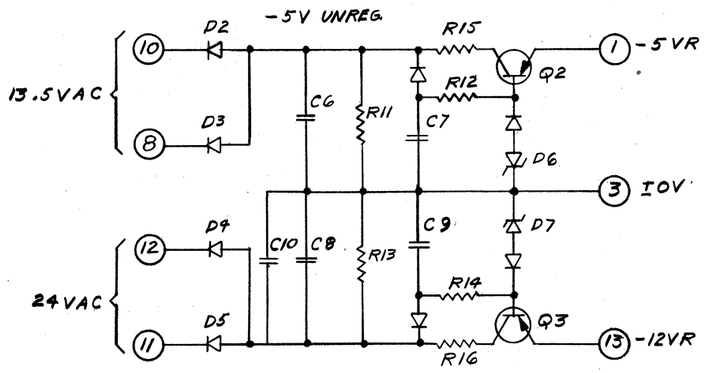
BY	DATE	APPROVED BY	DATE
DWN JB	9/29/69	E ENGR SKH	3/13/70
CHK RJT	3/13/70	M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE +5V REGULATOR P.C. #335
+12V REGULATOR

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
	C	6046	5.

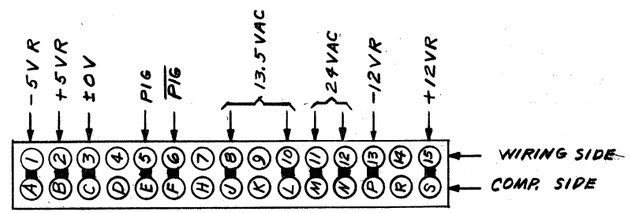
DO NOT SCALE





NOTE:
1. ALL DIODES ARE WL380-1001 UNLESS SPECIFIED OTHERWISE (QTY 14)
2. ALL RESISTORS ARE 1/4W

LOCATION	TYPE & MFR'R	TERM No. Vcc +5VR	TERM No. ±0V	QTY
L1	9935 DTμL FAIRCHILD	14	7	1



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		

COMP.	SIZE / TYPE	QTY
Q1	WL375-1006	1
Q2, 3	GT544	2
R1	10K	1
R10	2.2K	1
R2	27K	1
R3	1 MEG	1
R4, 11, 13	10K	3
R5, 7	4.7K	2
R6	33K	1
R8	220 Ω	1
R9	680 Ω	1
R12	560 Ω	1
C1, 2	220 MMF	2
C3	.02 MF/25V	1
C4, 5	2.2 MF TANT.	2
C7	100 MF/16V	1
C6	200 MF/16V	1
D1, 6	IN751A	2
D2, 3, 4, 5	IN3253	4
709	WL376-0000	1
D7	IN758A	1
R14	330 Ω	1
C8, 9, 10	100 MF/25V	3
R15	27 Ω	1
R16	68 Ω	1

NO.	REVISION	DATE	BY
1	PER ECN #1149 R1 WAS 51K, R2 WAS 2.7K ADDED C10 100 MF 25V. C9 WAS 100 MF/16V	3/30/70	GD
2	PER ECN 3118 R14 WAS 1.5K ADDED R15 AND 16 APP'D SKH	8-8-72	GD

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. SYSTEM 700

SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128

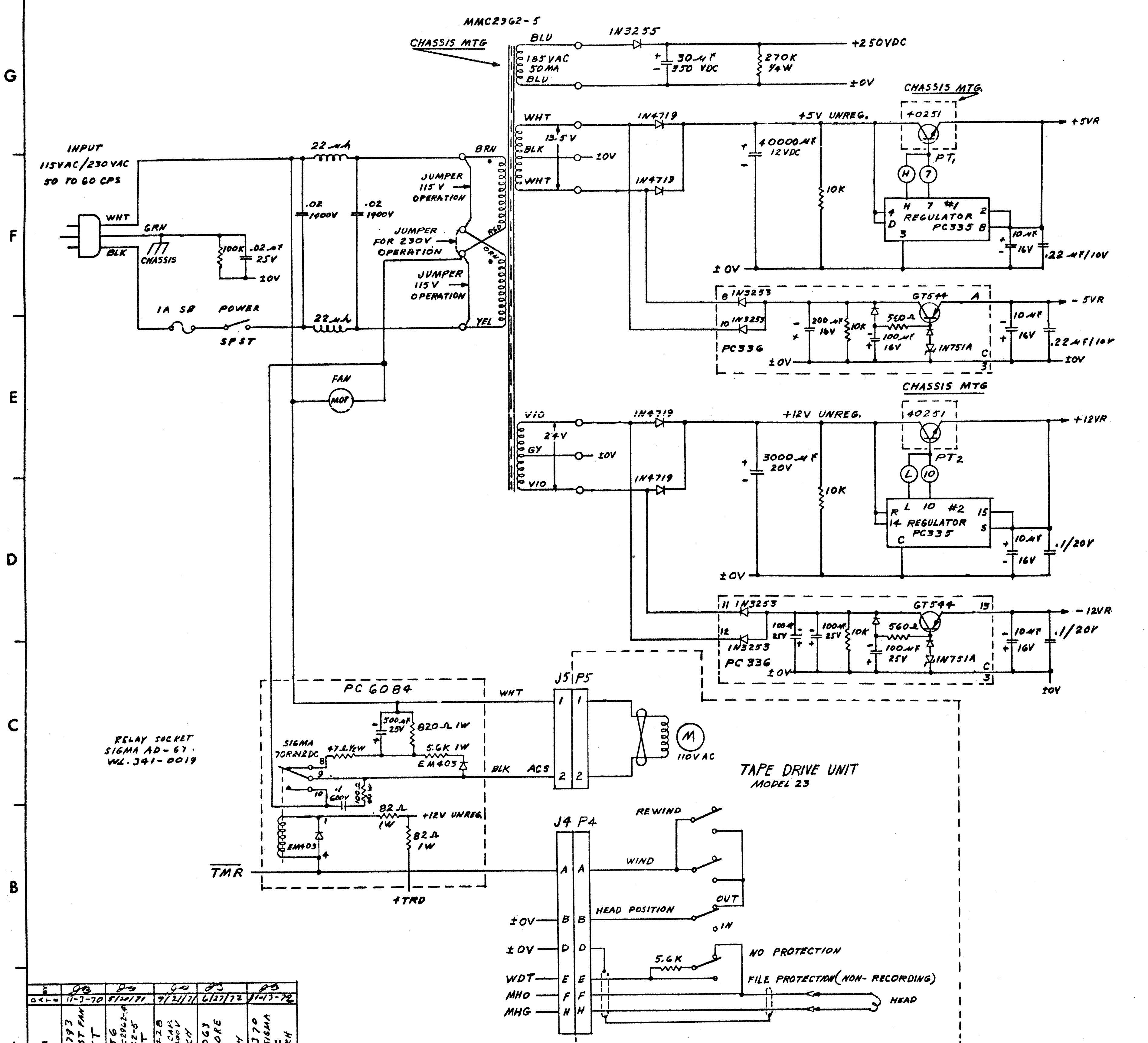
SCALE | SHT | OF

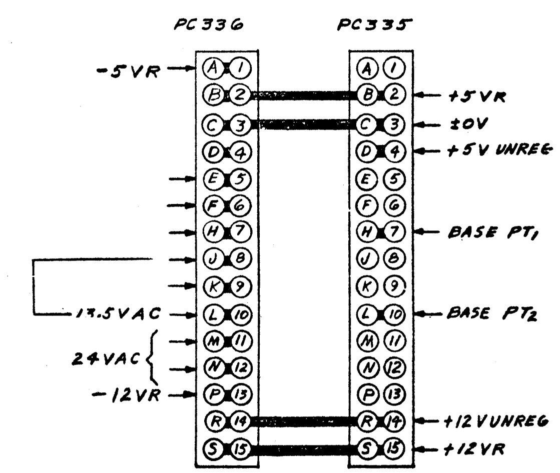
MATERIAL | DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN JAB	1/15/70	E ENGR SKH	3/13/70
CHK RJT	3/13/70	M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE SCHEMATIC LOGIBLOC #336 -5V, -12V REG. & POWER FAILURE PROTECTION CIRCUIT

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
	C	6051	2


MMC2962-5
CHASSIS MTG
BLU
185VAC
50MA
BLU
1N3255
30 µF
350 VDC
270K
1/4W
+250VDC
±0V
CHASSIS MTG
WHT
13.5V
BLK
WHT
1N4719
+5V UNREG.
40000 µF
12VDC
10K
40251
PT1
+5VR
H 7 #1
REGULATOR
PC335
.22 µF/10V
±0V
1N3253
GT544
1N751A
PC336
-5VR
INPUT
115VAC/230VAC
50 TO 60 CPS
WHT
GRN
BLK
CHASSIS
100K
.02 µF
25V
22 µH
.02
1400V
JUMPER
115V
OPERATION
JUMPER
FOR 230V
OPERATION
BRN
RED
ORN
YEL
1A SB
POWER
SPST
FAN
MOT
V10
24V
GY
CHASSIS MTG
+12V UNREG.
3000 µF
20V
40251
PT2
L 10 #2
REGULATOR
PC335
+12VR
.1/20V
-12VR
PC 6084
WHT
J5 P5
RELAY SOCKET
SIGMA AD-67.
WL.341-0019
SIGMA
70R2I2DC
47Ω 1/2W
500 µF
25V
820Ω 1W
5.6K 1W
EM403
BLK
ACS
110V AC
TAPE DRIVE UNIT
MODEL 23
82Ω
1W
+12V UNREG.
TMR
+TRD
J4 P4
REWIND
WIND
HEAD POSITION
OUT
IN
5.6K
NO PROTECTION
FILE PROTECTION (NON-RECORDING)
HEAD
±0V
WDT
MHO
MHG



NO.	DATE	BY	REVISION
1	11-3-70	JB	PER ECN # 1793 ADDED EXHAUST FAN APP- RJT
2	5/20/71	JB	PER ECN # 2156 TRANS. WAS MMC2962-4 NOW MMC2962-5 APP RJT
3	9/21/71	JB	PER ECN # 2428 ON PC6084 CAP. WAS .1 µF 400V APP:- SKH
4	6/27/72	JB	PER ECN 3063 FUSE BEFORE SWITCH APP:- SKH
5	11-13-72	JB	PER ECN # 3370 WAS RELAY SIGMA 62R2-12DC APP:D SKH

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION

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

	BY	DATE	APPROVED BY	DATE
DWN	JB	1/21/70	E ENGR S. K. Ho	5/15/70
CHK	RJT	5-15-70	M ENGR	
E. C. CONTROL			MFG ENGR	

MATERIAL

MODEL NO. 700/720

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128√

SCALE 4/7 SHT OF

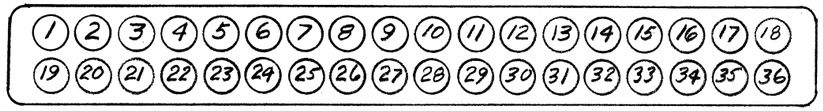
TITLE SCHEMATIC PC6052 & PC6084 POWER DISTRIBUTION & TAPE CONTROL CIRCUIT

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
	D	6052-1	5

D 6052-1

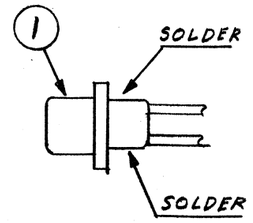
DO NOT SCALE

AMPHENOL 57-40360



PIN No.	WIRE COLOR	LENGTH
1	8	9 1/2"
2	9	9 1/2"
3	71	9 1/2"
4	7	9 1/2"
5	6	9"
6	5	9"
7	97	6"
8	3	8"
9	98	7"
10	4	8 1/2"
11	901	7"
12	81	10 1/2"
13	72	10"
14	76	10"
15	75	10"
16	74	10"
17	73	10"
18	908	6 1/2"

PIN No.	WIRE COLOR	LENGTH
19	1	7"
20	92	8"
21	91	8 1/2"
22	95	8"
23	96	7"
24	93	8"
25	94	8 1/2"
26	905	5"
27	906	5"
28	907	5 1/2"
29	904	6
30	903	5"
31	902	4 1/2"
32	2	6 1/2"
33	80	10"
34	83	11 1/2"
35	82	12"
36	54	15"



IDENT	QTY	NAME	WANG LAB. No.	DESCRIPTION
	1	WIRE (908)	600-3908	#26 WH/BLK/GRY
	1	WIRE (907)	600-3907	#26 WH/BLK/VIO
	1	WIRE (906)	600-3906	#26 WH/BLK/BLU
	1	WIRE (905)	600-3905	#26 WH/BLK/GRN
	1	WIRE (904)	600-3904	#26 WH/BLK/YEL
	1	WIRE (903)	600-3903	#26 WH/BLK/ORN
	1	WIRE (902)	600-3902	#26 WH/BLK/RED
	1	WIRE (901)	600-3901	#26 WH/BLK/BRN
	1	WIRE (98)	600-3098	#26 WH/GRY
	1	WIRE (97)	600-3097	#26 WH/VIO
	1	WIRE (96)	600-3096	#26 WH/BLU
	1	WIRE (95)	600-3095	#26 WH/GRN
	1	WIRE (94)	600-3094	#26 WH/YEL
	1	WIRE (93)	600-3093	#26 WH/ORN
	1	WIRE (92)	600-3092	#26 WH/RED
	1	WIRE (91)	600-3091	#26 WH/BRN
	1	WIRE (54)	600-3054	#26 GRN/YEL
	1	WIRE (83)	600-3083	#26 GRY/ORN
	1	WIRE (82)	600-3082	#26 GRY/RED
	1	WIRE (81)	600-3081	#26 GRY/BRN
	1	WIRE (80)	600-3080	#26 GRY/BLK
	1	WIRE (76)	600-3076	#26 VIO/BLU
	1	WIRE (75)	600-3075	#26 VIO/GRN
	1	WIRE (74)	600-3074	#26 VIO/YEL
	1	WIRE (73)	600-3073	#26 VIO/ORN
	1	WIRE (72)	600-3072	#26 VIO/RED
	1	WIRE (71)	600-3071	#26 VIO/BRN
	1	WIRE (9)	600-3009	#26 WHITE
	1	WIRE (8)	600-3008	#26 GRAY
	1	WIRE (7)	600-3007	#26 VIOLET
	1	WIRE (6)	600-3006	#26 BLUE
	1	WIRE (5)	600-3005	#26 GREEN
	1	WIRE (4)	600-3004	#26 YELLOW
	1	WIRE (3)	600-3003	#26 ORANGE
	1	WIRE (2)	600-3002	#26 RED
	1	WIRE (1)	600-3001	#26 BROWN
	1	WIRE (10)	600-3000	#26 BLACK
1	1	CONNECTOR	350-1026	

NO.	REVISION	DATE	BY
1	PER ECN #3228 PIN 36 WIRE WAS GRY/BLU APP'D SKH	9-16-72	

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

MATERIAL

FINISH

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

DR		DATE 5/4/70
CHK		DATE 6-9-70
APPD	RJT	DATE 6-10-70

MODEL No. 700 4/B | W.O. No. | SCALE 4/1 | SHEET OF

TITLE IN / OUT CONNECTOR

PART NUMBER	REV	SIZE	DRAWING NUMBER
220-0022	1	B	6088

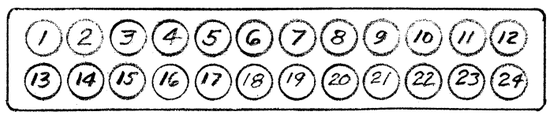
DO NOT SCALE

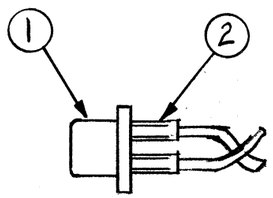
T/W

WIRE COLOR	LENGTH	PIN No.
91	5"	1
10	5"	13
9	6"	2
10	5"	14
93	6"	3
10	5"	15
94	6"	4
10	5"	16
95	6"	5
10	7"	17
96	6"	6
10	8"	18
97	7"	7
10	8"	19
98	7"	8
10	8"	20
10	5"	11
902	14"	12
54	10"	23
10	11"	24

TWISTED PAIR

AMPHENOL 57-40240





5 TWIST PER INCH

	1	WIRE (902)	600-3902	#26 WH/BLK/RED
	1	WIRE (98)	600-3098	#26 WH/GRY
	1	WIRE (97)	600-3097	#26 WH/VIO
	1	WIRE (96)	600-3096	#26 WH/BLU
	1	WIRE (95)	600-3095	#26 WH/GRN
	1	WIRE (94)	600-3094	#26 WH/YEL
	1	WIRE (93)	600-3093	#26 WH/ORN
	1	WIRE (91)	600-3091	#26 WH/BRN
	1	WIRE (9)	600-3009	#26 WHITE
	1	WIRE (54)	600-3054	#26 GREEN/YELLOW
	AS'D	WIRE (10)	600-3000	#26 BLACK
2	20	SLEEVE	605-0002	#15 3/8 LONG
1	1	CONNECTOR	350-1025	
IDENT	QTY	NAME	WANG LAB. No.	DESCRIPTION

NO.	REVISION	DATE	BY
1	PER ECN #3227 PIN23 WIRE WAS GREEN APP'D SKH	9-16-72	DS

TOL. EX. AS NOTED
.XX ±.010 FRAC. ±1/64
.XXX ±.005 ANG. ±0°30'
FINISH: 63

MATERIAL

FINISH

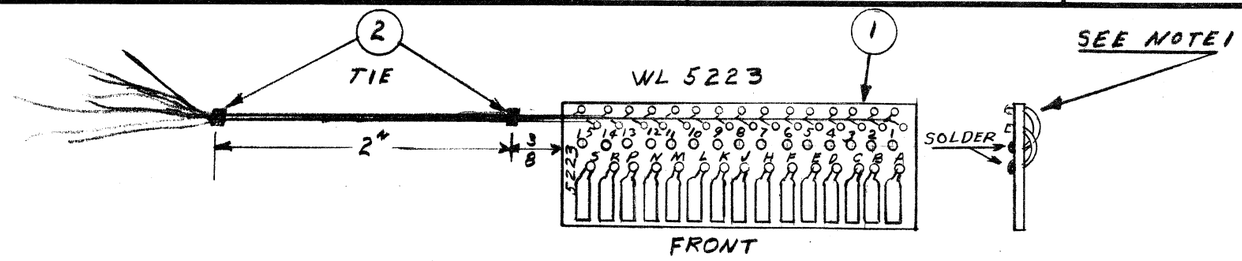
WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

DR DS	DATE 5/9/70		
CHK JM	DATE 6/9/70		
APPD RJT	DATE 6-10-70		
MODEL No. 700	W.O. No.	SCALE 4/1	SHEET OF

TITLE TYPEWRITER CONNECTOR ASSEMBLY

PART NUMBER	REV	SIZE	DRAWING NUMBER
220-0021	1	B	6089

DO NOT SCALE



PIN NO.	WIRE COLOR	LENGTH
A	901	26 1/2"
B	2	29 1/2"
C	0	29 1/2"
D	902	26"
E	903	28"
F	904	28"
H	905	26"
J	906	26"
K	907	26 1/2"
L	908	29 1/2"
M	71	29"
N	72	29 1/2"
P	73	27 1/2"
R	74	31"
S	75	33"

PIN No.	WIRE COLOR	LENGTH
1	1	29 1/2"
2	92	32"
3	3	31"
4	4	29 1/2"
5	5	28"
6	6	28"
7	7	32"
8	8	30"
9	91	27 1/2"
10	93	27 1/2"
11	94	26"
12	95	33 1/2"
13	96	33"
14	97	33"
15	98	33 1/2"

NOTE
1. ALL WIRES ARE FED THRU CLEARENCE HOLES ON FRONT OF CONNECTOR AND SOLDERED AT FRONT AS SHOWN.

IDENT	QTY	NAME	WANG LAB. No.	DESCRIPTION
	1	WIRE (908)	600-3908	#26 WH/BLK/GRY
	1	WIRE (907)	600-3907	#26 WH/BLK/VIO
	1	WIRE (906)	600-3906	#26 WH/BLK/BLU
	1	WIRE (905)	600-3905	#26 WH/BLK/GRN
	1	WIRE (904)	600-3904	#26 WH/BLK/YEL
	1	WIRE (903)	600-3903	#26 WH/BLK/ORN
	1	WIRE (902)	600-3902	#26 WH/BLK/RED
	1	WIRE (901)	600-3901	#26 WH/BLK/BRN
	1	WIRE (98)	600-3098	#26 WH/GRY
	1	WIRE (97)	600-3097	#26 WH/VIO
	1	WIRE (96)	600-3096	#26 WH/BLU
	1	WIRE (95)	600-3095	#26 WH/GRN
	1	WIRE (94)	600-3094	#26 WH/YEL
	1	WIRE (93)	600-3093	#26 WH/ORN
	1	WIRE (92)	600-3092	#26 WH/RED
	1	WIRE (91)	600-3091	#26 WH/BRN
	1	WIRE (75)	600-3075	#26 VIO/GRN
	1	WIRE (74)	600-3074	#26 VIO/YEL
	1	WIRE (73)	600-3073	#26 VIO/ORN
	1	WIRE (72)	600-3072	#26 VIO/RED
	1	WIRE (71)	600-3071	#26 VIO/BRN
	1	WIRE (8)	600-3008	#26 GRAY
	1	WIRE (7)	600-3007	#26 VIOLET
	1	WIRE (6)	600-3006	#26 BLUE
	1	WIRE (5)	600-3005	#26 GREEN
	1	WIRE (4)	600-3004	#26 YELLOW
	1	WIRE (3)	600-3003	#26 ORANGE
	1	WIRE (2)	600-3002	#26 RED
	1	WIRE (1)	600-3001	#26 BROWN
	1	WIRE (0)	600-3000	#26 BLACK
2	AS REQ'D	LACING CORD	605-1000	
1	1	CONNECTOR	WL 5223	

NO.	REVISION	DATE	BY

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

MATERIAL

FINISH

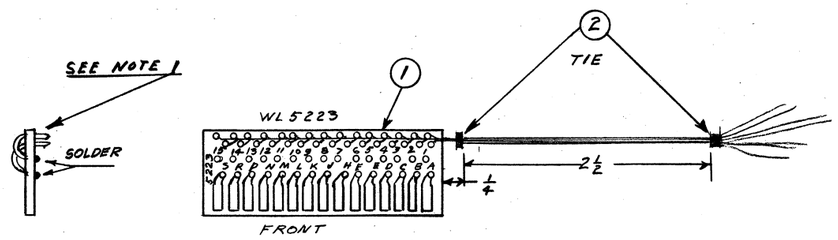
WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

DR	[illegible]	DATE	5/5/70
CHK		DATE	
APPD	RJT	DATE	8-7-70
MODEL No. 700	W.O. No.	SCALE 4/1	SHEET OF

TITLE CONNECTOR ASSEMBLY P1

PART NUMBER	REV	SIZE	DRAWING NUMBER
		B	6090

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		

PIN NO.	WIRE COLOR	LENGTH
A	901	26"
B	81	25½"
C	0	30"
D	902	28½"
E	903	27½"
F	904	27½"
H	905	28"
J	906	29"
K	907	27½"
L	908	27"
M	71	27"
N	72	27"
P	—	—
R	74	29½"
S	75	28"

PIN NO.	WIRE COLOR	LENGTH
1	1	28"
2	76	27½"
3	3	28"
4	4	27"
5	5	27"
6	6	28"
7	7	27"
8	8	28"
9	91	27"
10	93	26½"
11	94	27½"
12	95	28"
13	96	27"
14	97	27½"
15	98	30"

NOTE:
1. ALL WIRES ARE FED THRU CLEARENCE HOLES ON FRONT OF CONNECTOR AND SOLDERED AT FRONT AS SHOWN.

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION
600 − 3908		1	WIRE (908)		#26 WH/BLK/GRY
600 − 3907		1	WIRE (907)		#26 WH/BLK/YIO
600 − 3906		1	WIRE (906)		#26 WH/BLK/BLU
600 − 3905		1	WIRE (905)		#26 WH/BLK/GRN
600 − 3904		1	WIRE (904)		#26 WH/BLK/YEL
600 − 3903		1	WIRE (903)		#26 WH/BLK/ORN
600 − 3902		1	WIRE (902)		#26 WH/BLK/RED
600 − 3901		1	WIRE (901)		#26 WH/BLK/BRN
600 − 3098		1	WIRE (98)		#26 WH/GRY
600 − 3097		1	WIRE (97)		#26 WH/VIO
600 − 3096		1	WIRE (96)		#26 WH/BLU
600 − 3095		1	WIRE (95)		#26 WH/GRN
600 − 3094		1	WIRE (94)		#26 WH/YEL
600 − 3093		1	WIRE (93)		#26 WH/ORN
600 − 3091		1	WIRE (91)		#26 WH/BRN
600 − 3081		1	WIRE (81)		#26 GRY/BRN
600 − 3076		1	WIRE (76)		#26 VIO/BLU
600 − 3075		1	WIRE (75)		#26 VIO/GRN
600 − 3074		1	WIRE (74)		#26 VIO/YEL
600 − 3072		1	WIRE (72)		#26 VIO/RED
600 − 3071		1	WIRE (71)		#26 VIO/BRN
600 − 3008		1	WIRE (8)		#26 GRAY
600 − 3007		1	WIRE (7)		#26 VIOLET
600 − 3006		1	WIRE (6)		#26 BLUE
600 − 3005		1	WIRE (5)		#26 GREEN
600 − 3004		1	WIRE (4)		#26 YELLOW
600 − 3003		1	WIRE (3)		#26 ORANGE
600 − 3001		1	WIRE (1)		#26 BROWN
600 − 3000		1	WIRE (0)		#26 BLACK
605 − 1000	2	AS'D	LACING		
WL 5223	1	1	CONNECTOR		

NO.	REVISION	BY	DATE

Qty. Per Unit	FIRST USED ON	ASSY USED ON

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

BY	DATE	APPROVED BY	DATE
DWN JB	5/6/70	E ENGR RJT	8-7-70
CHK		M ENGR	
E. C. CONTROL		MFG ENGR	

MATERIAL

MODEL NO. 700

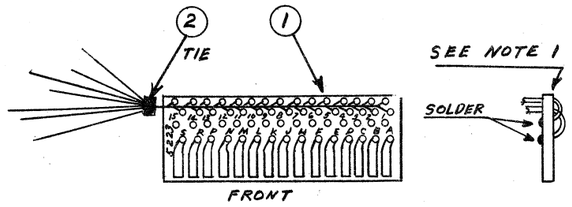
SEE ENGRG SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128 √

TITLE CONNECTOR ASSEMBLY P2

SCALE	SHT	OF	WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
			1609	C	6091	D



PIN NO.	WIRE COLOR	LENGTH
A	—	
B	2	22½"
C	54	36"
D	97	31½"
E	98	31"
F	901	30"
H	902	30"
J	903	31"
K	904	27½"
L	905	30½"
M	906	30"
N	72	29"
P	907	28½"
R	908	28½"
S	0	27"

PIN NO.	WIRE COLOR	LENGTH
1	1	21½"
2	11	33"
3	3	22"
4	22	36"
5	4	31"
6	5	30"
7	6	21½"
8	7	23"
9	8	21"
10	91	21½"
11	93	21"
12	94	21"
13	95	20"
14	71	29"
15	96	21"

NOTE:
1. ALL WIRES ARE FED THRU CLEARENCE HOLES ON FRONT OF CONNECTOR AND SOLDERED AT FRONT AS SHOWN.

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		

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION
600-3011		1	WIRE (11)		#26 TAN
600-3908		1	WIRE (908)		#26 WH/BLK/GRY
600-3907		1	WIRE (907)		#26 WH/BLK/VIO
600-3906		1	WIRE (906)		#26 WH/BLK/BLU
600-3905		1	WIRE (905)		#26 WH/BLK/GRN
600-3904		1	WIRE (904)		#26 WH/BLK/YEL
600-3903		1	WIRE (903)		#26 WH/BLK/ORN
600-3902		1	WIRE (902)		#26 WH/BLK/RED
600-3901		1	WIRE (901)		#26 WH/BLK/BRN
600-3098		1	WIRE (98)		#26 WH/GRY
600-3097		1	WIRE (97)		#26 WH/VIO
600-3096		1	WIRE (96)		#26 WH/BLU
600-3095		1	WIRE (95)		#26 WH/GRN
600-3094		1	WIRE (94)		#26 WH/YEL
600-3093		1	WIRE (93)		#26 WH/ORN
600-3091		1	WIRE (91)		#26 WH/BRN
600-3054		1	WIRE (54)		#26 GRN/YEL
600-3072		1	WIRE (72)		#26 VIO/RED
600-3071		1	WIRE (71)		#26 VIO/BRN
600-3022		1	WIRE (22)		#26 PINK
600-3008		1	WIRE (8)		#26 GRAY
600-3007		1	WIRE (7)		#26 VIOLET
600-3006		1	WIRE (6)		#26 BLUE
600-3005		1	WIRE (5)		#26 GREEN
600-3004		1	WIRE (4)		#26 YELLOW
600-3003		1	WIRE (3)		#26 ORANGE
600-3002		1	WIRE (2)		#26 RED
600-3001		1	WIRE (1)		#26 BROWN
600-3000		1	WIRE (0)		#26 BLACK
605-1000	2	AS'D	LACING		
WL5223	1	1	CONNECTOR		

NO.	REVISION	BY	DATE
1	PER ECN #2453 WIRE AT PIN 2 WAS GRY/BLK APP'D RJT	JB	9/27/71
2	PER ECN #3291 ADDED TAN WIRE TO PIN 2 APP'D SKH	JB	10-9-72

Qty. Per Unit	FIRST USED ON	ASSY USED ON

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

	BY	DATE	APPROVED BY	DATE
DWN	JB	8/3/70	E ENGR RJT	8-7-70
CHK			M ENGR	
E. C. CONTROL			MFG ENGR	

MATERIAL

MODEL NO. 700

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128 √

SCALE 4/1 SHT OF

TITLE CONNECTOR ASSEMBLY P3

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
	C	6092	2

2609 D

DO NOT SCALE