

REV	DESCRIPTIONS	CHK DATE	APPR	200263 E
E	ECO #B	7/27/77		
REVISIONS		DATE		
X1	EXP REL			
X2	ADD C52(C53) ALSO VILLE CHANGES			
A	MTG REL			
B	ECO 3			
C	ECO 4			
D	ECO 5			

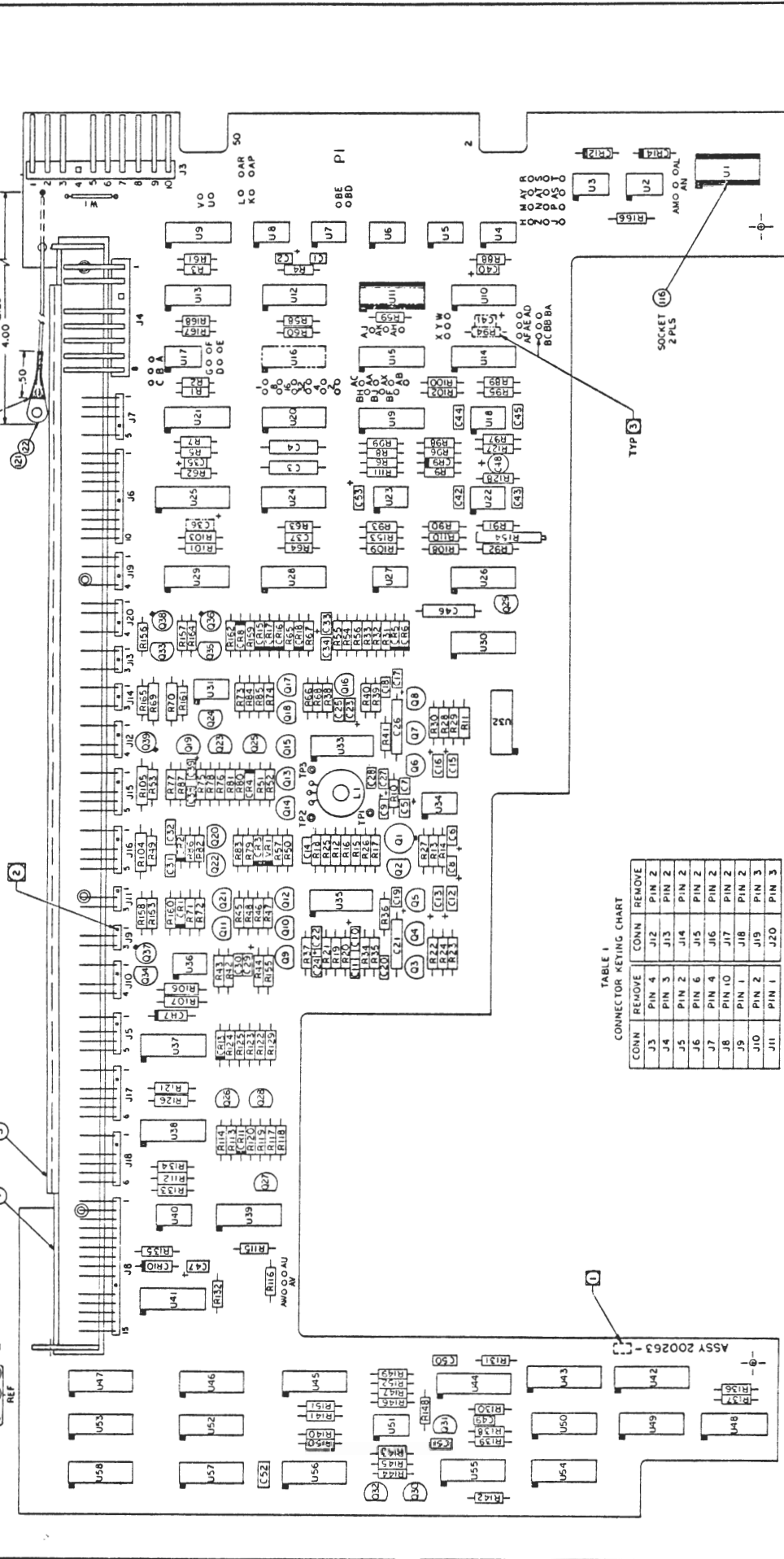
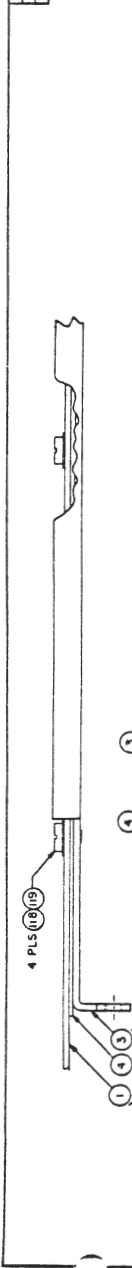


TABLE 1
CONNECTOR KEYING CHART

CONN	REMOVE	CONN	REMOVE
J3	PIN 4	J12	PIN 2
J4	PIN 3	J13	PIN 2
J5	PIN 2	J14	PIN 2
J6	PIN 6	J15	PIN 2
J7	PIN 4	J16	PIN 2
J8	PIN 10	J17	PIN 2
J9	PIN 1	J18	PIN 2
J10	PIN 2	J19	PIN 3
J11	PIN 1	J20	PIN 3

- 1 SCHEMATIC REF 200264
- 2 FOR VAR COMP VALUES AND JUMPER LOCATIONS SEE TABULATED W/L.
- 3 REMOVE CONNECTOR PINS AS SPECIFIED ON TABLE 1, PRIOR TO CONNECTOR INSTALLATION.
- 4 APPROXIMATE DIMENSIONS IN 0.02 HIGH WHITE CHARACTERS IN APPROX AREA SHOWN.
- UNLESS OTHERWISE SPECIFIED:

PERSCI, INC.

ASSEMBLY, PCB DATA & INTERFACE

MODEL 270 SCALE 2:1

SHT 1 OF 6 200263 E

MATERIAL LIST

REV E
DWG NO. 200263-000

TITLE		DWG NO.		REV	SHEET
ASSEMBLY, PCB DATA AND INTERFACE		200263-000		E	2 OF 6
MODEL 270 BASIC BOARD		PERSCI, INC.			
ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS	
1	BOARD, PROCESSED	200262	1	REV B	
2					
3	BRACKET, DATA BD	200171	1	REV B	
4	INSULATOR, DATA BD	200174	1	REV A	
5					
6					
7					
8					
9					
10					
11	IC LM311N	150600	4	U18, 22, 23, 34	
12	IC MC1406L	150601	1	U55	
13	IC MC1458C-P1	150602	2	U40, 51	
14	IC 7400	150603	4	U15, 28, 53, 57	
15	IC 7404	150604	5	U20, 32, 38, 41, 49	
16	IC 7408	150605	4	U26, 29, 45, 50	
17	IC 7432	150608	5	U14, 19, 54, 56, 58	
18	IC 7474	150609	6	U24, 30, 39, 46, 47, 52	
19	IC 7486	150611	1	U21	
20	IC 74123	150612	4	U10, 12, 25, 44	
21	IC 74193	150614	2	U42, 43	
22	IC 75451	150616	1	U17	
23	IC 75452	150617	2	U31, 36	
24	IC 75453	150618	8	U2,3,4,5,6,7,8,27	
25	IC 72733	150619	2	U33, 35	
26	IC 7416	150621	2	U13, 48	
27	IC 7406	150622	1	U37	
28					
29					
30	RESISTOR NETWORK 4.7K	150050	1	U9	
31	RESISTOR NETWORK 220/330	150051	1	U1	
32					
33					

MATERIAL LIST

TITLE ASSEMBLY, PCB DATA AND INTERFACE	DWG NO. 200263-000	REV E	SHEET 3 OF 6
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MODEL 270 BASIC BOARD	PERSCI, INC.
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ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS
34	TRANSISTOR 2N4400	150200	5	Q2,26,27,28,31
35	TRANSISTOR 2N4402	150201	25	Q3,4,5,6,7,8,9,10, 13,16,17,18,19,20, 21,22,23,24,25, 29,30,32,33,34,35
36	TRANSISTOR 2N5460	150202	4	Q11,12,14,15
37	TRANSISTOR 2N2913	150203	1	Q1
38	TRANSISTOR 2N706A	150207	4	Q36,37,38,39
39				
40				
41				
42	DIODE 1N3064	150300	18	CR1,2,3,4,5,6,7,8, 9,10,11,12,13,14, 15,16,17,18
43	DIODE 1N752A	150302	1	VR1
44				
45				
46	INDUCTOR 200UH	150094	1	L1
47				
48				
49	CAPACITOR, MICA 100pf	150102-101	3	C1,50,51
50	CAPACITOR, MICA 510pf	150102-511	5	C14,42,44,46,49
51	CAPACITOR, MYLAR .001UF	150101-102	4	C3,4,21,26
52	CAPACITOR, CERAMIC .01UF	150103-103	16	C7,11,18,20,24,25, 28,30,31,32,34,37, 38,43,45,52
53	CAPACITOR, TANTL 10% 0.1UF	150100-104	2	C35,40
54	CAPACITOR, TANTL 10% 1UF	150100-105	20	C2,5,6,8,9,10,12, 13,15,16,17,19, 22, 23,27,29,33,39,47, 53

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MATERIAL LIST

REV E
DWG NO. 200263-000

TITLE		DWG NO.		REV	SHEET
ASSEMBLY, PCB DATA AND INTERFACE		200263-000		E	4 OF 6
MODEL 270 BASIC BOARD		PERSCI, INC.			
ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS	
55	CAPACITOR, TANTL 22UF	150100-226	1	C48	
56					
57					
58					
59	RESISTOR, VARIABLE 2K	150003-202	1	R154	
60					
61	RESISTOR 1/2 W., 5% 10	150002-100	2	R121,126	
62	RESISTOR 1/2 W., 5% 47	150002-470	2	R69,70	
63	RESISTOR 1/2 W., 5% 68	150002-680	4	R104,105,106,107	
64					
65	RESISTOR, 1/4 W., 1% 1.50K	150001-1501	1	R81	
66	RESISTOR 1/4 W., 1% 332	150001-3320	2	R13,14	
67	RESISTOR 1/4 W., 1% 1.78K	150001-1781	1	R138	
68	RESISTOR 1/4 W., 1% 3.01K	150001-3011	1	R78	
69	RESISTOR 1/4 W., 1% 10K	150001-1002	5	R108,109,147,148,149	
70	RESISTOR 1/4 W., 1% 24.9K	150001-2492	1	R152	
71	RESISTOR 1/4 W., 1% 30.1K	150001-3012	1	R146	
72	RESISTOR 1/4 W., 1% 4.64K	150001-4641	2	R86,87	
73					
74	RESISTOR 1/4 W., 5% 10	150000-100	14	R3,10,11,12,18,19, 33,34,37,38,41, 42,56,77	
75	RESISTOR 1/4 W., 5% 47	150000-470	2	R26,27	
76	RESISTOR 1/4 W., 5% 100	150000-101	13	R23,29,35,36,39, 40,82,83,84,85, 101,103,128	
77	RESISTOR 1/4 W., 5% 200	150000-201	1	R111	
78	RESISTOR 1/4 W., 5% 220	150000-221	7	R5,7,49,53,58, 120,125	
79	RESISTOR 1/4 W., 5% 330	150000-331	13	R6,8,9,15,16,17, 59,65,66,67,68, 119,124	

MATERIAL LIST

TITLE ASSEMBLY, PCB DATA AND INTERFACE	DWG NO. 200263-000	REV E	SHEET 5 OF 6
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MODEL 270 BASIC BOARD	PERSCI, INC.		
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ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS
80	RESISTOR 1/4 W., 5% 430	150000-431	3	R25,91,97
81	RESISTOR 1/4 W., 5% 1K	150000-102	21	R1,2,48,52,64,71, 72,73,74,92,98,112, 114,117,118,122, 123, 132, 134,166, 158
82	RESISTOR 1/4 W., 5% 2K	150000-202	10	R22,24,28,30, 110,115,116,133, 137,139
83				
84	RESISTOR 1/4 W., 5% 3.9K	150000-392	4	R4,45,57,135
85	RESISTOR 1/4 W., 5% 4.7K	150000-472	10	R60,61, 130,136,155,159, 160,161,167,168
86	RESISTOR 1/4 W., 5% 5.1K	150000-512	1	R153
87	RESISTOR 1/4 W., 5% 6.8K	150000-682	5	R46,47,50,51,62
88	RESISTOR 1/4 W., 5% 10K	150000-103	19	R20,21,31,32,43,44, 54,55,79, 89,95,131,151,156,157, 162,163,164,165
89	RESISTOR 1/4 W., 5% 15K	150000-153	2	R100,102
90	RESISTOR 1/4 W., 5% 18K	150000-183	1	R63
91	RESISTOR 1/4 W., 5% 20K	150000-203	2	R141,144
92	RESISTOR 1/4 W., 5% 22K	150000-223	3	R75,76,80
93	RESISTOR 1/4 W., 5% 30K	150000-303	3	R93,99,140
94	RESISTOR 1/4 W., 5% 36K	150000-363	1	R88
95	RESISTOR 1/4 W., 5% 39K	150000-393	2	R143,145
96	RESISTOR 1/4 W., 5% 47K	150000-473	3	R90,96,150
97				
98	RESISTOR 1/4 W., 5% 100K	150000-104	2	R113,129
99	RESISTOR 1/4 W., 5% 240K	150000-244	1	R142
100	RESISTOR 1/4 W., 5% 1MEG	150000-105	1	R127

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