

REV U
 DWG NO. 200263-000

MATERIAL LIST

TITLE		DWG NO.	REV	SHEET 1 OF 5	
ASSEMBLY, PCB DATA AND INTERFACE		200263-000	U		
MODEL 270 BASIC BOARD		PERSCI, INC.			
ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS	
1	BOARD, PROCESSED	200262	1	REV "H" OR "J"	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	IC LM311N	150600	3	U18, 22, 61	
12	IC LM1408	150664	1	U55	
13	IC MC1458C-P1	150602	2	U40, 51	
14	IC 7400	150603	5	U15, 28, 53, 57, 60	
15	IC 7404	150604	4	U20, 30, 38, 41	
16	IC 7408	150605	4	U26, 29, 45, 54	
17	IC 7432	150608	4	U19, 50, 56, 58	
18	IC 7474	150609	6	U14, 24, 39, 46, 47, 52	
19	IC 7486	150611	1	U21	
20	IC 74123	150612	3	U12, 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	9	U2, 3, 4, 5, 6, 7, 8, 23, 59	
25	IC 72733	150619	2	U33, 35	
26	IC 7416	150621	2	U13, 48	
27	IC 7406	150622	1	U37	
28	IC SN72306P	150646	2	U34, 32	
29	IC 74221	150706	1	U10	
30	RESISTOR NETWORK 4.7K	150050	1	U9	
31	RESISTOR NETWORK 220/330	150051	1	U1	
32					
33					

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TITLE	DWG NO.	REV	SHEET	
ASSEMBLY, PCB DATA AND INTERFACE	200263-000	U	2 OF 5	
MODEL 270 BASIC BOARD	PERSCI, INC.			
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	16	CR3,4,5,6,7,8, 9,10,11,12,13,14, 15,16,17,18
43	DIODE, ZENER 1N752A	150302	1	VR1
44	DIODE, ZENER 1N759A	150313	2	VR2,4
45	DIODE, ZENER 1N751A	150311	1	VR3
46	INDUCTOR 200UH	150094	1	L1
47	CAPACITOR, MICA .001UF	150102-102	2	C58,59
48				
49	CAPACITOR, MICA 100pf	150102-101	3	C1,50,51
50	CAPACITOR, MICA 510pf	150102-511	6	C21,26,46,49,14,60
51	CAPACITOR, MYLAR .001UF	150101-102	2	C3,4
52	CAPACITOR, CERAMIC .01UF	150103-103	15	C7,11,18,20,24,25, 28,30,34,37,38,43, 45,52,56
53	CAPACITOR, TANTL 10% 0.1UF	150100-104	3	C35,42,44
54	CAPACITOR, TANTL 10% 1UF	150100-105	23	C2,5,6,8,9,10,12, 13,15,16,17,19,22, 23,27,29,33,39,47, 53,54,55,57

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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	RESISTOR 1/2 W., 5% 1K	150002-102	1	R169
65	RESISTOR, 1/2 W., 1% 1.50K	150001-1501	1	R81
66	RESISTOR 1/2 W., 1% 332	150001-3320	2	R13,14
67	RESISTOR 1/2 W., 1% 1.78K	150001-1781	1	R133
68	RESISTOR 1/2 W., 1% 3.01K	150001-3011	1	R78
69	RESISTOR 1/2 W., 1% 10K	150001-1002	5	R108,109,147,148,149
70	RESISTOR 1/2 W., 1% 24.9K	150001-2492	1	R152
71	RESISTOR 1/2 W., 1% 30.1K	150001-3012	1	R146
72	RESISTOR 1/2 W., 1% 4.64K	150001-4641	2	R86,87
73				
74	RESISTOR 1/2 W., 5% 10	150000-100	13	R3,10, 12,18,19, 33,34,37,38,41, 42,56,77
75	RESISTOR 1/2 W., 5% 47	150000-470	2	R26,27
76	RESISTOR 1/2 W., 5% 100	150000-101	9	R23,29,82,83,84,85, 101,103,128.
77	RESISTOR, 1/4 W., 5% 300	150000-301	4	R35,36,39,40
78	RESISTOR 1/2 W., 5% 220	150000-221	7	R5,7,49,53,58, 120,125
79	RESISTOR 1/2 W., 5% 330	150000-331	13	R6,8,9,15,16,17, 59,65,66,67,68, 119,124

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ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS
80	RESISTOR 1/2 W., 5% 510	150000-511	1	R111
81	RESISTOR 1/2 W., 5% 1K	150000-102	24	R1,2,48,52,64,71, 72,73,74,89,92,95,98, 112,114,117,118,122, 123,132,134,158,166, 170
82	RESISTOR 1/2 W., 5% 2K	150000-202	10	R22,24,28,30, 110,115,116,133, 137,139
83	RESISTOR 1/2 W., 5% 430	150000-431	1	R25
84	RESISTOR 1/2 W., 5% 3.9K	150000-392	4	R4,45,57,135
85	RESISTOR 1/2 W., 5% 4.7K	150000-472	11	R60,61,175, 130,136,155,159, 160,161,167,168
86	RESISTOR 1/2 W., 5% 5.1K	150000-512	2	R153,174
87	RESISTOR 1/2 W., 5% 6.8K	150000-682	5	R46,47,50,51,62
88	RESISTOR 1/2 W., 5% 10K	150000-103	24	R20,21,31,32,43,44, 54,55,79,131,151,156, 157,162,163,164,165, 171,172,173, 90,96
89	RESISTOR 1/2 W., 5% 15K	150000-153	2	R100, 102 178,179
90	RESISTOR 1/2 W., 5% 18K	150000-183	1	R63
91	RESISTOR 1/2 W., 5% 20K	150000-203	2	R141,144
92	RESISTOR 1/2 W., 5% 22K	150000-223	3	R75,76,80
93	RESISTOR 1/2 W., 5% 30K	150000-303	3	R93,99,140
94				
95	RESISTOR 1/2 W., 5% 39K	150000-393	2	R143,145
96	RESISTOR 1/2 W., 5% 47K	150000-473	3	R150,176,177
97	RESISTOR 1/2 W., 5% 220K	150000-224	2	R91,97
98	RESISTOR 1/2 W., 5% 100K	150000-104	2	R113,129
99	RESISTOR 1/2 W., 5% 240K	150000-244	1	R142
100	RESISTOR 1/2 W., 5% 1MEG	150000-105	1	R127

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MODEL 270 BASIC BOARD

PERSCI, INC.

ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS
101				
102				
103				
104	CONNECTOR, ANGLE MODIFIED	200556-001	1	
105	CONNECTOR, ANGLE MODIFIED	200556-002	1	
106	CONNECTOR, ANGLE MODIFIED	200556-004	1	
107				
108	CONNECTOR, ANGLE 3 PIN	100040-002	1	J21
109				
110	CONNECTOR, ANGLE 5 PIN	100215-005	1	GOLD PLATED PINS
111				
112	CONNECTOR, ANGLE 15 PIN	100040-015	1	J8
113	CONNECTOR, ANGLE 8 PIN	100042-008	1	J4
114	CONNECTOR, ANGLE 10 PIN	100042-010	1	J3
115	PIN, MALE	100046	7	TP1,2,3,4,5,6,7
116	SOCKET, IC	150097-014	2	USE WITH U1 & U11
117				
118				
119				
120				
121	LUG, SOLDER	100017-002	1	
122	WIRE, INSULATED	100037-024	A/R	
123	TUBING, SHRINK	100095-004	A/R	
124	ADHESIVE, SILICON (RTV)	100012	A/R	USE WITH L1
125				
126				
127				
128				
	SCHMATIC	200264	REF	REV N
	ARTWORK	200261	REF	