

REV

DWG NO.  
200137

TITLE		DWG NO.	REV	SHEET OF 5
ASSY. P.C.B. POSITIONER SERVO		200137	C	
MODEL 270/277		PERSCI, INC.		
ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS
1	BOARD, PROCESSED	200152	1	REV C
2	HEAT SINK	200162	1	
3				
4	IC 7400	150603	2	U4, 5
5	IC 7404	150604	1	U3
6	IC 7432	150608	1	U7
7	IC LM311N	150600	6	U1,2,8,9,10,12
8	IC MC14580-F1	150602	5	U11,13,15,16,17
9	IC 75451	150616	1	U14
10	IC AH5012	150620	1	U6
11				
12	TRANSISTOR 2N4400	150200	3	Q1, 3, 9
13	TRANSISTOR 2N4402	150201	4	Q4,10,11,16
14	TRANSISTOR 2N5460	150202	1	Q2
15	TRANSISTOR MJE-32, IIF-30, R2-2	150204	4	Q12,13,14,15
16	TRANSISTOR 2N2222A	150208	2	Q5,7
17	TRANSISTOR 2N2907A	150209	2	Q6,8
18				
19				
20	DIODE 1N3064	150300	4	CR1,2,3,4,
21	DIODE, ZENER 1N755A	150301	1	VR1
22				
23	CAPACITOR, mica 510 Pf	150102-511	1	C2
24	CAPACITOR, mylar .001 Uf	150101-102	1	C4
25	CAPACITOR, mylar .0015 Uf	150101-152	1	C8
26	CAPACITOR, CER .01 Uf	150103-103	3	C3,5,6,
27	CAPACITOR, mylar .002 Uf	150101-203	1	C1
28	CAPACITOR, tantalum 10u	150100-105	6	C9,10,11,12,13,14
29	CAPACITOR, mylar 1 Uf	150104-105	1	C7
30				
31				
32				
33				

TITLE	ASSY. P.C.B. POSITIONER SERVO	DWG NO. 200137	REV C	SHEET 3 OF 5
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# PERSCI, INC.

200137

ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS
34	RESISTOR, VAR 2K	150003-202	1	R33
35				
36	RESISTOR, 3W 5% 1	150008-010	2	R77,78
37				
38	RESISTOR, 1/4W 1% 1K	150001-1001	12	R54,55,56,57,58,59,60,61,62,63,64,65
39	RESISTOR, 1/4W 1% 10K	150001-1002	7	R13,14,15,28,29,52,53
40	RESISTOR, 1/4W 1% 80.6K	150001-8062	1	R48
41				
42	RESISTOR, 1/4W 5% 100	150000-101	1	R69
43	RESISTOR, 1/4W 5% 200	150000-201	2	R2,4
44	RESISTOR, 1/4W 5% 510	150000-511	1	R47
45	RESISTOR, 1/4W 5% 750	150000-751	1	R42
46	RESISTOR, 1/4W 5% 1K	150000-102	14	R5,8,9,16,18,23,27,35,39,41,45,72,74,43
47	RESISTOR, 1/4W 5% 1.2K	150000-122	1	R46
48	RESISTOR, 1/4W 5% 2K	150000-202	1	R38
49	RESISTOR, 1/4W 5% 3.3K	150000-332	2	R67,71
50	RESISTOR, 1/4W 5% 3.9K	150000-392	2	R1,3
51	RESISTOR, 1/4W 5% 4.7K	150000-472	1	R34
52	RESISTOR, 1/4W 5% 5.1K	150000-512	3	R12,20,75
53	RESISTOR, 1/4W 5% 10K	150000-103	7	R6,10,11,30,31,51,73
54	RESISTOR, 1/4W 5% 20K	150000-203	1	R37
55	RESISTOR, 1/4W 5% 22K	150000-223	3	R17,24,26
56	RESISTOR, 1/4W 5% 39K	150000-393	1	R68
57	RESISTOR, 1/4W 5% 51K	150000-513	1	R7
58	RESISTOR, 1/4W 5% 100K	150000-104	8	R21,32,36,40,44,66,70,49
59				
60				
61	RESISTOR, 1/4W 5% 390K	150000-394	1	R19
62	RESISTOR, 1/4W 5% 3.9MEG	150000-395	1	R76
63	RESISTOR, 1/4W 5% 1MEG	150000-105	2	R22,25
64				
65				
66				56

22

MATERIAL LIST

TITLE	ASSY. P.C.B. POSITIONER SERVO	DWG NO. 200137	REV C	SHEET 4 OF 5
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MODEL 270/277

PERSCI, INC.

ITEM NO.	DRAWING TITLE	DWG NO.	QTY	REMARKS
67	SCREW, BINDING HD., 4-40	100002-207	4	
68	INSL & WASHER	150212	4	to be used with
69	WASHER, SHOULDER	100050-001	4	NJE-32
70	WASHER, FLAT	100008-200	4	
71	NUT	100015-200	4	
72				
73	SCREW, BINDING HD., SLOTTED	100002-307	4	
74	INSULATOR	150213	4	to be used with
75	WASHER, SHOULDER	100050-001	4	TIP 32 & RCA 32
76	WASHER, FLAT	100008-300	4	
77	NUT	100015-300	4	
78				
79	CONNECTOR 10 Pin	100041-010	1	J5
80	CONNECTOR 4 Pin	100041-004	1	J8
81	SUBASSY, HARNESS	200398-007	1	P8
82	SUBASSY, HARNESS	200398-008	1	P7
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94	WIRE, BUSS AWG 24		A/R	Use as jumper
95	WIRE, BUSS, #22		A/R	across R50
96				
97				
98				
99	GREASE, SILICON		A/R	55

200137

