

9339.72 Side 2 head

REV <b>U</b>	PERSCI INC		MATERIAL LIST			
M/L NO. 200740-000	TITLE ASSEMBLY, PCB DRIVE ELECTRONICS		M/L NO. 200740-000		REV <b>S</b>	
	COMPILED BY: <i>P. S. Harts</i> 4.23	CHECKED BY: <i>[Signature]</i>	DATE APPROVED BY: <i>[Signature]</i>	DATE	RELEASE/CHANGE DATE <b>ECS</b> 4/16/79 <b>8-29-80 GAG</b>	
	NEXT ASSY. 200800	1ST USED ON 299B	DWG SIZE D	SHEET <u>1</u> OF <u>8</u>		
ITEM NO.	DRAWING TITLE	DWG NO.	QTY	CODE	REMARKS	
1	BOARD, PROCESSED	200739	1	D	REV. <b>H</b>	
2						
3	IC LM311N	150600	2		U46,44	
4	7408	150605	2		U1,11	
5	7432	150608	1		U14	
6	7486	150611	1		U17	
7	75451	150616	1		U34	
8	75452	150617	1		U7	
9	75453	150618	4		U6,18,43,32	
10	AH5012	150620	1		U49	
11	7406	150622	3		U24,38,57	
12	74LS74	150629	3		U25,39,55	
13	74LS00	150647	1		U58	
14	LM360	150654	2		U40,42	
15	74C14	150661	2		U21,30	
16	DACLM1408	150664	1		U37	
17	74LS02	150665	1		U27	
18		* MFG. OPT.	1		U31 (REF. SHT 8)	
19	I8243	150686	1		U36	
20	LM379	150687	1		U33	
21	82S129	200810	1		U15	
22	NF558	150689	2		U13,19	
23	4136	150692	3		U41,47,48	
24	MC1496	150693	1		U52	
25	74LS04	150695	2		U10,29	
26	75454	150696	1		U4	
27	IC 74LS26	150697	1		U51	

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REV 5  
M/L NO. 200740-000

# PERSCI INCORPORATED

# MATERIAL LIST

TITLE ASSEMBLY, PCB DRIVE ELECTRONICS M/L NO. 200740-000 REV 5

COMPILED BY: DATE CHECKED BY: DATE APPROVED BY: DATE RELEASE/CHANGE DATE

NEXT ASSY. 1ST USED ON 299B DWG SIZE D SHEET 2 OF 8

ITEM NO.	DRAWING TITLE	DWG NO.	QTY	CODE	REMARKS
28	IC 8T20	150698	2		U54,56
29	↑ Q2T2905	150699	1		U53
30	↓ LF353	150707	1		U50
31	IC TL084	150710	1		U45
32	RES., NETWORK (14 PIN DIP) 220/330	150051	1		U8
33	↑ ↑ (14 PIN DIP) 4.7K	150050	1		U5
34	↓ ↓ (8 PIN SIP) 4.7K	150053-472	4		U9,12,16,20
35	RES., NETWORK (6 PIN SIP) 4.7K	150055-472	1		U59
36	TRANSISTOR 2N4400	150200	3		Q4,7,9
37	↑ 2N4402	150201	2		Q1,5
38	↓ 2N5460	150202	2		Q3, 8
39	↓ 2N2222A	150208	2		Q2,11
40	TRANSISTOR 2N2907A	150209	2		Q10,12
41	REGULATOR, 8V, ±4% 78L08	150691	1		G1
42	REGULATOR, 12V, LM340 LAH-12.0	150694	1		G2
43	WASHER, INSULATING	100226	2		USE WITH ITEM 41,42
44	DIODE, LOGIC IN3064	150300	18		CR1,2,3,5,6,7,8,18,19 9,10,11,12,13,14,15,16,17
45	DIODE, ZENER, 5.6V IN752A	150302	2		VR3,4
46	DIODE, ZENER, 7.5V IN755A	150303	1		VR1
47	DIODE, ZENER, 12V IN759A	150313	1		VR2
48	TRANSISTOR J-174	150217	1		Q6
49	FERRITE BEAD	100031	1		L4
50	INDUCTOR 200UH	150094	3		L1,2,3
51	CRYSTAL 6.00MHZ	150089-004	1		Y1
52	SWITCH, ROTARY 16 PIN DIP	100084	1		S1

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REV 6  
M/L NO. 200740-000

**PERSCI INCORPORATED**

**MATERIAL LIST**

TITLE				M/L NO.		REV
ASSEMBLY, PCB DRIVE ELECTRONICS				200740-000		5
COMPILED BY: DATE		CHECKED BY: DATE		APPROVED BY: DATE		RELEASE/CHANGE DATE
NEXT ASSY.		1ST USED ON		DWG SIZE		SHEET <u>3</u> OF <u>8</u>
ITEM NO.	DRAWING TITLE	DWG NO.	QTY	CODE	REMARKS	
53	CAPACITOR, MICA 10pf	150102-100	2		C22,24	
54	CAPACITOR, MICA 20pf	150102-200	2		C30,31	
55	CAPACITOR, MICA 100pf	150102-101	7		C13,14,32,34,35,73,74	
56	CAPACITOR, MICA 510pf	150102-511	3		C36, 44,87	
57	CAPACITOR, MICA 820pf	150102-821	1		C40	
58	CAPACITOR, MYLAR .0033uf	150101-332	1		C17	
59	CAPACITOR, MYLAR .0068uf	150101-632	1		C19	
60	CAPACITOR, CERAMIC .01uf	150103-103	1		C37	
61	CAPACITOR, TANTL AXIAL LEAD .022uf	150111-223	2		C5,9	
62	CAPACITOR, MYLAR .027uf	150101-273	1		C18	
63	CAPACITOR, TANTL .22uf	150100-224	2		C4,8	
64	CAPACITOR, MYLAR,5% 1uf	150104-105	3		C16,43 ,88	
65	CAPACITOR, TANTL 1uf	150100-105	32		C3,7,11,12,15,26,27,28,33,42,45,47,49,52,60,63,64,65,67,69,70,71,76,78,82,83,84,85,86,46,54,55	
66	CAPACITOR, TANTL 4.7uf	150100-475	4		C25,29 62,81	
67	CAPACITOR, MICA 430PF	150102-431	2		C38,39	
68	CAPACITOR, TANTL 22 uf 10% 35VDC	150100-226	2		C1,2	
69	CAPACITOR, MYLAR, .001 uf	150101-102	1		C20	
70						
71	RESISTOR, VARIABLE 2K	150003-202	8		R18,28,33,67,68,72,73,103	

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TITLE				M/L NO.		REV	
ASSEMBLY, PCB DRIVE ELECTRONICS				200740-000		<b>S</b>	
COMPILED BY:		DATE CHECKED BY:		DATE APPROVED BY:		DATE RELEASE/CHANGE DATE	
NEXT ASSY.			1ST USED ON		DWG SIZE	SHEET <u>4</u> OF <u>8</u>	
			299B		D		
ITEM NO.	DRAWING TITLE		DWG NO.	QTY	CODE	REMARKS	
72	RESISTOR, VARIABLE, 50K		150003-503	4		R5, 8, 12, 15	
73	RESISTOR W.W., 3W., 5% 2		150008-020	1		R63	
74							
75	RESISTOR $\frac{1}{2}$ W., 5%	130	150002-131	2		R144, 171	
76	RESISTOR $\frac{1}{2}$ W., 5%	470	150002-471	2		R168, 169	
77	RESISTOR, $\frac{1}{2}$ W., 0.1%	3.83K	150009-3831	4		R54, 55, 162, 164	
78	RESISTOR, $\frac{1}{2}$ W., 0.1%	3.92K	150009-3921	4		R53, 56, 161, 163	
79	RESISTOR, $\frac{1}{2}$ W., 0.1%	30.9K	150009-3092	2		R59, 60	
80							
81	RESISTOR $\frac{1}{2}$ W., 1%	<del>499</del>	<del>150001-4990</del>	1		R147	
82		<del>475</del>	<del>-4750</del>	1		R139	
83		750	-7500	2		R102, 105	
84		1.00K	-1001	3		R30, R99, R138	
85		1.50K	-1501	1		R31	
86							
87		2.0K	-2001	1		R110	
88		4.02K	-4021	1		R38	
89		10.0K	-1002	6		R46, 48, 83, 84, 86, 137	
90		11.0K	-1102	1		R104	
91							
92		20.0K	-2002	2		R85, 87	
93		<b>8.25K</b>	<b>-8251</b>	1		<b>R98</b>	
94		80.60K	-8062	1		R37	
95	RESISTOR $\frac{1}{4}$ W, 1%	4.99K	150001-4991	1		R136	

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REV 5  
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# MATERIAL LIST

**TITLE** ASSEMBLY, PCB DRIVE ELECTRONICS **M/L NO.** 200740-000 **REV** 5

**COMPILED BY:** \_\_\_\_\_ **DATE** \_\_\_\_\_ **CHECKED BY:** \_\_\_\_\_ **DATE** \_\_\_\_\_ **APPROVED BY:** \_\_\_\_\_ **DATE** \_\_\_\_\_ **RELEASE/CHANGE DATE** \_\_\_\_\_

**NEXT ASSY.** \_\_\_\_\_ **1ST USED ON** 299B **DWG SIZE** D **SHEET** 5 **OF** 8

ITEM NO.	DRAWING TITLE	DWG NO.	QTY	CODE	REMARKS
96	RESISTOR, 1/4W., 5% 10	150000-100	5		R34, ,143,149
					150,167
97		-510	1		R130
98		-101	1		R32
99					
100		-201	3		R129,132,170
101		-331	3		R141,145,146
102		-431	1		R151
103		-271	1		R166
104		-681	2		R106 R188
105		-751	6		R78,101,107,35,36,133
106		-102	10		R20,21,24,25,74, 75,77,82,93, ,114
107		-122	1		R96
108		-821	2		R140,142
109		-202	7		R4,7,11,14,79,80,175
110		-302	2		R121,131
111		-362	2		R3,10
112		-392	1		R134
113		-472	10		R152,153,154,155, 156,157,159,160, 165,182
114		-432	1		R39,
115		-682	3		R66,71,124
116		-822	1		R95,
117	RESISTOR, 1/4W., 5% 470	150000-471	1		R148
		-562	1		R128

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REV 10  
M/L NO. 200740-000

# PERSCI INCORPORATED

# MATERIAL LIST

TITLE ASSEMBLY, PCB DRIVE ELECTRONICS M/L NO. 200740-000 REV 5

COMPILED BY: DATE CHECKED BY: DATE APPROVED BY: DATE RELEASE/CHANGE DATE

NEXT ASSY. 1ST USED ON 299B DWG SIZE D SHEET 6 OF 8

ITEM NO.	DRAWING TITLE	DWG NO.	QTY	CODE	REMARKS
118	RESISTOR, 1/4W., 5% 5.1K	150000-512	3		R29,42,109
119	↑↑↑ 10K	↑ -103	14		R22,23,26,27,88,40 89,100,108,116,177 123,180,181
120	20K	-203	1		R90
121	22K	-223	2		R97,115
122	27K	-273	1		R92
123	<del>30K</del>	<del>-303</del>	<del>2</del>		<del>R118,120</del>
124	33K	-333	1		R45
125	5.6K	-562	2		R128,189
126	47K	-473	8		R118,120 R6,9,13,16,117,119
127	51K	-513	2		R17,94
128	56K	-563	1		R43
129	120K	-124	1		R126
130	560K	-564	3		R64,65,70
131	820K	-824	1		R44
132	1MEG	-105	2		R69,176
133	100K	-104	5		R19,76,91,91, 125
134	↓ ↓ ↓ 150K	↓ -154	2		R41, R57
135	RESISTOR, 1/4W, 5% 12K	150000-123	1		R122
136					
137	RESISTOR, 1/4W, 5% 240K	150000-244	2		R1, R2
138	RESISTOR, 1/4, W 5% 2 MEG	150000-205	1		R113
139					
140					

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REV **U**  
M/L NO. 200740-000

**PERSCI INC**

**MATERIAL LIST**

TITLE				M/L NO.		REV
ASSEMBLY, PCB DRIVE ELECTRONICS				200740-000		<b>S</b>
COMPILED BY: DATE		CHECKED BY: DATE		APPROVED BY: DATE		RELEASE/CHANGE DATE
NEXT ASSY.		1ST USED ON		DWG SIZE		SHEET <u>7</u> OF <u>8</u>
ITEM NO.	DRAWING TITLE	DWG NO.	QTY	CODE	REMARKS	
141	WIRE, MAGNET #30GA	100036	A/R		7 TURNS ON ITEM 49	
142	TEST POINT	100255	23		TP1 THRU TP23	
143	WIRE, WIREWRAP 30GA	100100	A/R		"C" CUST. OPTION	
144	IC SOCKET 14 PIN	150097-014	1		XU28	
145	IC SOCKET 40 PIN	150097-040	1		XU31	
146	HEADER, 2 ROW, RT ANGLE 10 PIN	100153-010	1		J7	
147	HEADER, 2 ROW, RT. ANGLE 16 PIN	100153-016	1		J8	
148	HEADER, 2 ROW, RT. ANGLE 26 PIN	100153-026	1		J4	
149						
150	CONNECTOR, RT ANGLE 4 PIN	100215-004	1		J2	
151	CONNECTOR, RT ANGLE 10 PIN	100215-010	1		combine j5 & j6 modify to 9pin con.	
152						
153	CONNECTOR, MALE, ANGLE 10 PIN	100042-010	1		J3	
154	TERMINAL, MALE	100250	12		"C" cust. option	
155	HEATSINK, TO-5	100224	1		use with item 42	
156	ADHESIVE, GEN PURPOSE	100104	A/R		USE W/ ITEM 49,50	
157	HEATSINK	200821	1			
158	SCREW, BD. HD.S.	100002-205	2		4-40 X 5/16	
159	CONPOUND, THERMAL JOINT	100225	A/R		WAKEFIELD 120	
160	WASHER, LOCK SPLIT	100007-200	2		#4	
	SCHEMATIC	200741		R		
	ARTWORK	200738		R		
161	LUG, SOLDER	100017-004	1		CHASSIS GD. WIRE	
162	WIRE, INSULATED	100037-024	A/R		INSTALL AT POINT "A"	
163	TUBING, SHRINK	100095-004	A/R		ADJACENT TO J3	
164						

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REV 5

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TITLE

ASSEMBLY, PCB DRIVE ELECTRONICS

M/L NO.

200740-000

REV

5

COMPILED BY: DATE

CHECKED BY: DATE

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RELEASE/CHANGE DATE

NEXT ASSY.

1ST USED ON

299B

DWG SIZE

D

SHEET 2 OF 2

M/L NO.  
200740-000

ITEM NO.	DRAWING TITLE	DWG NO.	QTY	CODE	REMARKS
1B	I.C. 8048	200858-002	1	431	1ST CHOICE
	I.C. 8748	150700-002			2ND CHOICE
	I.C.	200927-001			3RD CHOICE



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