REPLACEMENT PARTS LIST

The parts listed below show the generic part number in the description and the part number for the closest replacement part from Digikey http://www.digikey.com and Mouser Electronics http://www.mouser.com. All of the Digikey part numbers end with –ND.

HOST DATA LINK ANALOG PCB

Quantity	Part Number	Description	Location
1	512-2N4403	2N4403 PNP General Purpose TO-92	Q1
2	512-2N4401	2N4401 NPN General Purpose TO-92	Q2, Q3
1		MJE200	Q4
1	512-LM393N	LM393 Dual Comparator DIP-8	U1
1		CA3096E	U2
1		CA3280E	U3
1		78L05 +5v regulator	VR1
3	610-1N914 or 78-1N914	1N914 Silicon signal diode DO-35	CR22, CR25, and CR26
4		TIL100 Photo Diode	CR18, CR19, CR20, and CR21
16	QED234-ND	TIL39 I/R 940nm LED T 1 ¾	CR1-CR8, and CR10-CR17
1		RED LED T 1 ¾	CR9
1		22000uh inductor (red/red/orange)	L1
1		10000uh inductor (brown/black/orange)	L2
5	80-T356E475K035	4.7uf 35v tantalum capacitor	C1, C2, C3, C6, and C9
2	80-T356K226K035	22uf 35v tantalum capacitor	C4, C5
1	BC1101CT-ND	.1uf (104)	C7
1		68pf Mica	C8
1	80-T354A105K035	1uf 35v tantalum capacitor	C10
1		.01uf (103)	C11
1		240pf Mica	C12
1		560pf Mica	C13
0		Not Used	C14
1		100uf 10v electrolytic	C15
1		.022uf Ceramic	
4	294-110 or P110W-2BK-ND	110 ohm 1 watt 5%	R1, R2, R5, and R7
2	291-3	3 ohm ¼ watt 5%	R3, R4
1	291-150	150 ohm ¼ watt 5%	R6
1	291-20K	20K ohm ¼ watt 5%	R8
1	291-22M	22M ohm ¼ watt 5%	R9
1	291-360	360 ohm ¼ watt 5%	R10
1	291-2K	2K ohm ¼ watt 5%	R11
1	291-18K	**18K ohm ¼ watt 5%**	R12
4	291-10K	10K ohm ¼ watt 5%	R13, R18, R21, and R28
3	291-4.7K	4.7K ohm ¼ watt 5%	R14, R15, and R20
2	291-1K	1K ohm ¼ watt 5%	R16, R25
1	291-6.2K	6.2K ohm ¼ watt 5%	R17
3	291-100	100 ohm ¼ watt 5%	R19, R24, and R29
1	291-1M	**1M ohm ¼ watt 5%**	R22
1	291-12K	12K ohm ¼ watt 5%	R23
1	291-1.8K	1.8K ohm ¼ watt 5%	R26
1	291-39K	39K ohm ¼ watt 5%	R27
3		4-40 .25” screws, lockwashers, and nuts	U1, Q4, and Q5

REVISION HISTORY