

H8 LED CONTROLLER

Qty	Description	Manufacturer	Part Number	Digikey	Supplier
	<i>All caps 0.1" lead spacing</i>				
2	2.2uf tantalum, 25v, 10%	Kyocera AVX	TAP225K025SRW	478-8969-1-ND	
5	0.1uf ceramic, 50v, 20%	Kemet	C315C104M5U5TA	399-4151-ND	
9	1uf ceramic, 25v, 10%, X7R	TDK	FG16X7R1E105KNT06	445-173155-1-ND	
9	10K 1/4w 5%	Yageo	CFR-25JB-52-10K	10KQBK-ND	
9	330 1/4w 5%	Yageo	CFR-25JB-52-330R	330QBK-ND	
1	LED, power indicator	Amazon, Jameco, etc			Amazon Chanzon LED Kit
8	LED, color as desired	Visual Communications Co.	5100H1 (red) 5100H5 (green)	L10001-ND L10005-ND	in holder with 6" leads in holder with 6" leads
2	1N5819	STMicroelectronics	1N5819	497-6610-1-ND	
4	74HCT123	Texas Instruments	CD74HCT123E	296-2088-5-ND	
1	GAL16V8	Lattice	GAL16V8D-15LP		Jameco 2290551
1	LM7805 5v regulator	Texas Instruments	LM7805CT/NOPB		Jameco 786138
4	16-pin IC socket				Jameco 37402
1	20-pin IC socket				Jameco 38623
2	10-pin 0.1" male header, right angle	Molex	22-23-2101	WM4208-ND	
2	10-position 0.1" connector shell	Molex	22-01-3107	WM2008-ND	
20	crimp contacts for above connector	Molex	08-50-0032	WM2623-ND	
~	10-conductor ribbon cable				
8	2-pin 0.1" male header	Amazon etc connector kits			Amazon Connector Kit
8	2-position 0.1" connector shell	Sometimes called "Dupont" or "Arduino" connectors			
16	crimp contacts for above connectors				
2	25-pin bus connectors	Samtec Samtec Molex 3M	BCS-125-L-S-DE-013 BCS-125-L-S-HE 22-16-2251 8550-4500PL	WEQ544=1691RH QWTZ941RH	Edge connector, very hard to find Heath OEM part, out of production Alternative edge connector