

BOM of TLC5958 LED Panel

Qty	Ref Designator	Value	Description	Size	Part Number	MFR
8	U1-8	TLC5958RTQ	48-ch LED driver with SRAM	QFN56	TLC5958RTQ	TI
2	U9-10	74HC245	OCTAL BUS TRANSCEIVER 3 STATE OUTPUTS, 25mil pin pitch	SSOP20	SN74HC245DBR	TI
1	U11	CD74HC123M	CMOS logic Dual Retriggerable Monostable Multivibrators with Resets	SOIC16	CD74HC123M	TI
5	U12-16	CD74HC138M	3-TO-8 LINE DECODER, 50mil pin pitch	SOIC16	CD74HC138M	TI
4	ZD1-2	BZV55-C3V0	3V ZENER VOLTAGE REGULATOR DIODE	SOD80C	BZV55-C3V0	NXP
32	U21-52	APM4953	Dual P-channel MOSFET	SOP-8	APM4953	ANPEC
64	R21-84	100ohm	SURFACE MOUNT RESISTOR 0.048 X 0.079 INCHES	0805	Std	Std
2	R9-10	100k	SURFACE MOUNT RESISTOR 0.048 X 0.079 INCHES	0603	Std	Std
8	R1-8	12k	SURFACE MOUNT RESISTOR 0.031 X 0.061 INCHES, 1/10W	0603	Std	Std
2	C21-22	1uF/16V	SURFACE MOUNT CAPACITOR 0.048 X 0.079 INCHES	0603	Std	Std
16	C5-20	0.1uF/16V	SURFACE MOUNT CAPACITOR 0.031 X 0.061 INCHES	0603	Std	Std
4	C1-4	470uF/16V	ELECTROLYTIC CAP., CASE SIZ 8mm x 10mm	8mm x 10mm	EEEFK1C471AP	Panasonic
4096	D1-4096	HT-B3053FCH-E7	Surface Mount LED, 1mmx1mm for fine pitch	1mm x 1mm	HT-B3053FCH-E7	Harvatek
2	J1-2	connector	Header, Male 20-pin, 100mil spacing,	0.100 inch x 20	Std	Std
5	J3-7	Jumper	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	Std	Std
1	J8	connector	2 Pin connector, pin pitch 3.94mm	3.94mm pitch	Std	Std

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