

Bill of Materials

CL88020 LED Driver Evaluation Board

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Part Number: ADM00766
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Drawn By: Sergiu Gheorghe
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Quantity	Designator	Description_	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
2	C1, C4	CAP CER 4.7uF 25V 10% X7R SMD 0805	TDK Corporation	C2012X7R1E475K125AB	Digi-Key	445-5972-1-ND
2	C2, C3	CAP CER 15uF 100V 20% X7S SMD 2220	TDK Corporation	C5750X7S2A156M250KB	Digi-Key	445-6044-1-ND
1	D1	DIO RECTBRG MB6S 1V 0.5A 600V SMD SOIC-4	Fairchild Semiconductor	MB6S	Digi-Key	MB6SCT-ND
2	D2, D3	DIO RECTARR MMBD1503A 1.1V 200mA 200V SMD SOT-23-3	Fairchild Semiconductor	MMBD1503A	Digi-Key	MMBD1503ATR-ND
1	J1	CON TERMINAL 5.08mm 1x2 Female 16-22AWG 12A TH R/A	On Shore Technology Inc	OSTHD020080	Digi-Key	ED2770-ND
1	J2	CON HDR-1.27 Male 1x8 Tin SMD VERT	Molex	0908140808	Digi-Key	WM19276-ND
1	MOV1	RES VARISTOR 240V 250mW SMD 4032	EPCOS (TDK)	CU4032K150G2K1	Digi-Key	495-1466-6-ND
3	R1, R2, R9	RES TKF 0R 1% 1/4W SMD 1206	TT Electronics	WCR1206-R005JI	Farnell	1100137
2	R3, R4	RES TKF 10R 5% 1W SMD 2512	Panasonic	ERJ-1TYJ100U	Digi-Key	PT10XCT-ND
1	R5	RES TKF 1M 1% 1/8W SMD 0805	Panasonic	ERJ-6ENF1004V	Digi-Key	P1.00MCTR-ND
1	R6	RES TKF 28k 1% 1/8W SMD 0805	Vishay Dale	CRCW080528K0FKEA	Digi-Key	541-28.0KCCT-ND
1	R7	RES TKF 100k 1% 1/4W SMD 1206	Panasonic	ERJ-8ENF1003V	Digi-Key	P100KFCT-ND
1	R8	RES TKF 221k 1% 1/8W SMD 0805	Vishay Dale	CRCW0805221KFKEA	Digi-Key	541-221KCCT-ND
1	R10	RES TKF 7.5R 1% 1/8W SMD 0805	Vishay Dale	CRCW08057R50FKEA	Digi-Key	541-7.50CCCT-ND
1	R11	RES TKF 3.24R 1% 1/8W SMD 0805	Vishay Dale	CRCW08053R24FKEA	Digi-Key	541-3.24CCCT-ND
2	TP1, TP2	MISC, TEST POINT MULTI PURPOSE MINI BLACK	Keystone	5001	Digi-Key	36-5001-ND

Microchip Parts listed below

1	IC1	MCHP ANALOG LED DRIVER CL88020T-E/SE SOIC-8	Microchip Technology	CL88020T-E/SE	Microchip Technology	CL88020T-E/SE
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Mechanical Parts to be added in the package

1	CBL1	MECH HW CABLE Picoflex IDT to IDT 8-COND 250mm	Molex	92315-0825	Mouser	538-92315-0825
1	HS1	MECH HW HEATSINK ADHESIVE TAPE L19W19H6.3	CTS Corporation	APF19-19-06CB/A01	Digi-Key	294-1146-ND
4	SCR1, SCR2, SCR3, SCR4	MECH HW SCREW #6-32 x 1/4" PanHead PHIL Nylon	B&F Fastener Supply	NY PMS 632 0025 PH	Digi-Key	H554-ND
4	STANDOFF1, STANDOFF2, STANDOFF3, STANDOFF4	MECH HW STAND-OFF #6-32 x 3/8" F HEX NYLON	Keystone Electronics	1903B	Digi-Key	36-1903B-ND