

Variant: TID
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 TID #: TIDA-00979LED



TIDA-00979 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-00979	Any	Printed Circuit Board	
2	C1	1	1uF	GRM155R70J105MA12D	MuRata	CAP, CERM, 1 μ F, 6.3 V, +/- 20%, X7R, 0402	0402
3	C2	1	0.1uF	GRM155R71E104KE14D	MuRata	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0402	0402
4	C3, C4	2	10uF	C1608X5R1E106M080AC	TDK	CAP, CERM, 10 μ F, 25 V, +/- 20%, X5R, 0603	0603
5	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12	12	Rgb	CLX6C-FKB-CGJKNCFB789363	Cree	LED, Rgb, SMD	3.4x3.4mm
6	J1	1		851-11-006-40-001000	Mill-Max	Receptacle, 50mil, 5x1, Gold, R/A, SMT	Receptacle, 6 pin, 50mil, R/A, SMT
7	J2	1		850-10-006-40-001000	Mill-Max	Header, 50mil, 6x1, Gold, R/A, SMT	Header, 6 pin, 50mil, R/A, SMT
8	R1	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
9	R3	1	1.6k	CRCW04021K60JNED	Vishay-Dale	RES, 1.6 k, 5%, 0.063 W, 0402	0402
10	U1	1		TLC5971RGER	Texas Instruments	12-Channel, 16-Bit ES-PWM RGB LED Driver with 3.3 V Linear Regulator, 6 to 17 V, -40 to 85 degC, 24-pin QFN (RGE24), Green (RoHS & no Sb/Br)	RGE0024H
11	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
12	R2	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603

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