



Bill of Materials

TI DESIGNS

TIDA-00878

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number
1	1	PCB	N/A	Printed Circuit Board	Any	TIDA-00878
2	15	4_1, 4_2, 5_1, 5_2, 6_1, 6_2, 7_1, 7_2, EN, GND, ILED1, ILED2, PWM, VIN,	2x1, 100mil pitch	Header, 100mil, 2x1, Gold, TH	Samtec	TSW-102-07-G-S
3	3	C1, C2, C3	2.2uF	CAP, CERM, 2.2 μ F, 25 V, +/- 10%, X5R, 0402	MuRata	GRM155R61E225KE11D
4	1	CCOMP	220nF	CAP, CERM, 0.22 μ F, 6.3 V, +/- 20%, X5R, 0201	MuRata	GRM033R60J224ME90
5	1	CIN	2.2uF	CAP, CERM, 2.2 μ F, 6.3 V, +/- 20%, X5R, 0201	Samsung Electro-Mechanics	CL03A225MQ3CRNC
6	1	D0	Schottky	Diode, Schottky, 30 V, 0.2 A, 0201 DIODE	ON Semiconductor	NSR02F30NXT5G
7	16	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16	White LED	LED, White, SMD	JKL Components	ZSM-T3020-W
8	1	L1	10uH	Inductor, Shielded, Composite, 10 μ H, 0.37 A, 1.27 ohm, SMD	Coilcraft	XFL2006-103MEB
9	1	RSET	56k Ohm	RES, 56.0 k, 1%, 0.05 W, 0201	Vishay-Dale	CRCW020156K0FKED
10	1	TPS61163	White LED Driver	Dual-Channel WLED Drivers For Smart Phone, YFF0009AGAG	Texas Instruments	TPS61163AYFFR

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