

Variant: 001  
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TID #: TIDA-050013

TIDA-050013 LED Driver REV A Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB	1		TIDA-050013 LED Driver	Any	Printed Circuit Board	
2	C1	1	10uF	ZRB18AD71A106KE01L	MuRata	CAP, CERM, 10 µF, 10 V,+/- 10%, X7T, 0603	0603
3	C2	1	0.1uF	C1005X7R1E104M050BB	TDK	CAP, CERM, 0.1 µF, 25 V,+/- 20%, X7R, 0402	0402
4	C3	1	1000pF	C0402C102J3RACTU	Kemet	CAP, CERM, 1000 pF, 25 V,+/- 5%, X7R, 0402	0402
5	C4, C5	2	1uF	C1005X5R1C105K050BC	TDK	CAP, CERM, 1 µF, 16 V,+/- 10%, X5R, 0402	0402
6	C6, C7	2	0.47uF	C1005X5R1A474K050BB	TDK	CAP, CERM, 0.47 µF, 10 V,+/- 10%, X5R, 0402	0402
7	J3	1		AYF531035A	Panasonic	Receptacle, 0.5mm, 10x1, Gold, R/A, SMD	Receptacle, 0.5mm, 10x1, R/A, SMD
8	R1	1	47k	CRCW040247K0JNED	Vishay-Dale	RES, 47 k, 5%, 0.063 W, 0402	0402
9	R2, R3	2	4.75k	ERA-2AEB4751X	Panasonic	RES, 4.75 k, 0.1%, 0.063 W, 0402	0402
10	U1	1		MSP430FR2111IRLLR	Texas Instruments	16 MHz Ultra-Low-Power Microcontroller With 4 KB FRAM, 1 KB SRAM, 12 IO, 8 ch ADC10, RLL0024A (VQFN-24)	RLL0024A
11	U2	1		LP5523TMX/NOPB	Texas Instruments	9-Channel RGB/White LED driver with Internal Program Memory and Integrated Charge Pump - DSBGA, YFQ0025ANAN (DSBGA-25)	YFQ0025ANAN