

Variant: 001  
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TID #: TIDA-00670

TIDA-00670 REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		TIDA-00670	Any	Printed Circuit Board	
2	1, 6, 7, 8	4	Red	LS L29K-G1J2-1-Z	OSRAM	LED, Red, SMD	SMD, 2-Leads, Body 1.3x0.8mm
3	2, 3	2	Green	LG L29K-G2J1-24-Z	OSRAM	LED, Green, SMD	1.7x0.65x0.8mm
4	4	1	Yellow	LY L29K-H1K2-26-Z	OSRAM	LED, Yellow, SMD	LED, 1.3x0.65x0.8mm
5	5	1	Orange	LO L29K-J2L1-24-Z	OSRAM	LED, Orange, SMD	SMD, 2-Leads, Body 1.3x0.8mm
6	BT1	1		1015	Keystone	AA Battery Holder, Through-hole mount	AA Battery Holder, Through-hole mount
7	C1, C2	2	10uF	C2012X5R0J106M	TDK	CAP, CERM, 10 uF, 6.3 V, +/- 20%, X5R, 0805	0805
8	C3, C4	2	0.1uF	GRM188R70J104KA01D	MuRata	CAP, CERM, 0.1 uF, 6.3 V, +/- 10%, X7R, 0603	0603
9	FID4, FID6	2		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
10	L1	1	4.7uH	SDR0403-4R7ML	Boums	Inductor, Drum Core, Ferrite, 4.7 uH, 1.7 A, 0.094 ohm, SMD	4.5x3.2x4mm
11	R1, R2, R3	3	1.0k	ERJ-6GEYJ102V	Panasonic	RES, 1.0 k, 5%, 0.125 W, 0805	0805
12	R4	1	2.94k	ERJ-6ENF2941V	Panasonic	RES, 2.94 k, 1%, 0.125 W, 0805	0805
13	R5	1	3.65k	RR1220P-3651-D-M	Susumu Co Ltd	RES, 3.65 k, 0.5%, 0.1 W, 0805	0805
14	R6	1	110	RR1220P-111-D	Susumu Co Ltd	RES, 110, 0.5%, 0.1 W, 0805	0805
15	R7, R8, R9, R10, R11, R12, R13	7	470	RR1220P-471-D	Susumu Co Ltd	RES, 470, 0.5%, 0.1 W, 0805	0805
16	R14	1	4.70k	RR1220P-472-D	Susumu Co Ltd	RES, 4.70 k, 0.5%, 0.1 W, 0805	0805
17	R15, R16, R17, R18, R19, R20, R21, R22	8	750	ERJ-6GEYJ751V	Panasonic	RES, 750, 5%, 0.125 W, 0805	0805
18	U1	1		TPD1E10B06DPYR	Texas Instruments	ESD in 0402 Package with 10 pF Capacitance and 6 V Breakdown, 1 Channel, -40 to +125 degC, 2-pin X2SON (DPY), Green (RoHS & no Sb/Br)	DPY0002A
19	U2	1		TPS27081ADDCR	Texas Instruments	1.2V - 8V, 3A PFET High Side Load Switch with Level Shift & Adjustable Slew Rate Control, DDC0006A	DDC0006A
20	U3	1		TLV61225DCKR	Texas Instruments	SINGLE CELL HIGH EFFICIENT STEP-UP CONVERTER, DCK0006A	DCK0006A
21	U4	1		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A	DBZ0003A
22	U5, U6	2		LM339DB	Texas Instruments	Quad Comparator, DB0014A	DB0014A
23	FID1, FID2, FID3, FID5	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial