

Bill of Materials

T1 DESIGNS

TIDA-00670

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	PCB Footprint
1	1	!PCB1		Printed Circuit Board	Any	TIDA-00670	
2	4	1, 6, 7, 8	Red	LED, Red, SMD	OSRAM	LS L29K-G1J2-1-Z	SMD, 2-Leads, Body 1.3x0.8mm
3	2	2, 3	Green	LED, Green, SMD	OSRAM	LG L29K-G2J1-24-Z	1.7x0.65x0.8mm
4	1	4	Yellow	LED, Yellow, SMD	OSRAM	LY L29K-H1K2-26-Z	LED, 1.3x0.65x0.8mm
5	1	5	Orange	LED, Orange, SMD	OSRAM	LO L29K-J2L1-24-Z	SMD, 2-Leads, Body 1.3x0.8mm
6	1	BT1		AA Battery Holder, Through-hole mount	Keystone	1015	AA Battery Holder, Through-hole
7	2	C1, C2	10uF	CAP, CERM, 10 μ F, 6.3 V, +/- 20%, X5R, 0805	TDK	C2012X5R0J106M	0805
8	2	C3, C4	0.1uF	CAP, CERM, 0.1 μ F, 6.3 V, +/- 10%, X7R, 0603	MuRata	GRM188R70J104KA01D	0603
9	6	FID1, FID2, FID3,		Fiducial mark. There is nothing to buy or mount.	N/A	N/A	Fiducial
10	1	L1	4.7uH	Inductor, Drum Core, Ferrite, 4.7 μ H, 1.7 A, 0.094 ohm, SMD	Bourns	SDR0403-4R7ML	4.5x3.2x4mm
11	3	R1, R2, R3	1.0k	RES, 1.0 k, 5%, 0.125 W, 0805	Panasonic	ERJ-6GEYJ102V	0805
12	1	R4	2.94k	RES, 2.94 k, 1%, 0.125 W, 0805	Panasonic	ERJ-6ENF2941V	0805
13	1	R5	3.65k	RES, 3.65 k, 0.5%, 0.1 W, 0805	Susumu Co Ltd	RR1220P-3651-D-M	0805
14	1	R6	110	RES, 110, 0.5%, 0.1 W, 0805	Susumu Co Ltd	RR1220P-111-D	0805
15	7	R7, R8, R9, R10, R11, R12, R13	470	RES, 470, 0.5%, 0.1 W, 0805	Susumu Co Ltd	RR1220P-471-D	0805
16	1	R14	4.70k	RES, 4.70 k, 0.5%, 0.1 W, 0805	Susumu Co Ltd	RR1220P-472-D	0805
17	8	R15, R16, R17, R18, R19, R20, R21, R22	750	RES, 750, 5%, 0.125 W, 0805	Panasonic	ERJ-6GEYJ751V	0805
18	1	U1		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)	Texas Instruments	TPD1E10B06DPYR	DPY0002A
19	1	U2		1.2V - 8V, 3A PFET High Side Load Switch with Level Shift & Adjustable Slew Rate Control, DDC0006A	Texas Instruments	TPS27081ADDCR	DDC0006A
20	1	U3		SINGLE CELL HIGH EFFICIENT STEP-UP CONVERTER, DCK0006A	Texas Instruments	TLV61225DCKR	DCK0006A
21	1	U4		2.5V Low Iq Adjustable Precision Shunt Regulator,	Texas Instruments	ATL431AIDBZR	DBZ0003A
22	2	U5, U6		Quad Comparator, DB0014A	Texas Instruments	LM339DB	DB0014A

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