

Bill of Material

TI DESIGNS

TIDA-00660

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number
1	1	PCB	N/A	Printed Circuit Board	Any	TIDA-00660
2	3	AIN, GND, VBATT	N/A	Header, 100mil, 2x1, Gold, TH	Samtec	HMTSW-102-07-G-S-240
3	3	C1, C2, C3	4.7uF	CAP, CERM, 4.7 μ F, 50 V, +/- 20%, X7R, 1206_190	TDK	C3216X7R1H475M160AC
4	2	C4, C5	10uF	CAP, CERM, 10 μ F, 25 V, +/- 20%, X5R, 0603	TDK	C1608X5R1E106M080AC
5	1	CCOMP	0.33uF	CAP, CERM, 0.33 μ F, 6.3 V, +/- 10%, X7R, 0603	Kemet	C0603C334K9RACTU
6	1	CIN	10uF	CAP, CERM, 10 μ F, 25 V, +/- 20%, X5R, 0805_140	Taiyo Yuden	TMK212BBJ106MG-T
7	1	CINT	2700pF	CAP, CERM, 2800 pF, 50 V, +/- 5%, C0G/NP0, 0603	TDK	C1608C0G1H282J
8	1	CL	47uF	CAP, CERM, 47 μ F, 25 V, +/- 20%, X5R, 1206	TDK	C3216X5R1E476M160AC
9	2	CR, CV	2.2uF	CAP, CERM, 2.2 μ F, 10 V, +/- 20%, X5R, 0402	Würth Elektronik	885012105013
10	3	D1, D2, D3	N/A	Diode, Schottky, 40 V, 0.5 A, SOD-323	Diodes Inc.	B0540WS-7
11	1	L1	10uH	Inductor, Shielded, Ferrite, 10 μ H, 1.4 A, 0.16 ohm, SMD	TDK	LTF5022T-100M1R4-LC
12	1	LED	N/A	LED, Warm White, SMD	Seoul Semiconductor	SAW0LH0A-W1/W2-CA
13	2	R1, R2	63kOhm	RES, 62 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW060362K0JNEA
14	2	R3, R4	200kOhm	RES, 200 k, 5%, 0.1 W, 0603	Vishay-Dale	CRCW0603200KJNEA
15	3	RB1, RFB, RINT	10kOhm	RES, 10.0 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060310K0FKEA
16	1	RB2	1.37kOhm	RES, 1.37 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06031K37FKEA
17	2	RF1, RG1	4.99kOhm	RES, 4.99 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06034K99FKEA
18	2	RF2, RG2	200kOhm	RES, 200 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-07200KL
19	1	RHYST	9.1kOhm	RES, 9.10 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-079K1L
20	1	RSET	3.3Ohm	RES, 3.30, 1%, 0.125 W, 0805	Panasonic	ERJ-6RQF3R3V
21	1	RT	100kOhm	Thermistor NTC, 100k ohm, 1%, 0603	MuRata	NCP18WF104F12RB
22	1	U1	N/A	High Brightness White LED Driver, 3 to 18 V, -40 to 85 degC, 6-pin SON (DRV6), Green (RoHS & no Sb/Br)	Texas Instruments	TPS61165DRVR
23	1	U2	N/A	Quad 6.5 MHz, 585 uA, Rail-to-Rail I/O CMOS Operational Amplifier, 2.3 to 5.5 V, -40 to 125 degC, 14-pin SOP (PW0014A), Green (RoHS & no Sb/Br)	Texas Instruments	OPA4374AIPWRA
24	1	U3	N/A	150-mA, 30-V, 1-uA IQ Voltage Regulators with Enable, DBV0005A	Texas Instruments	TPS70950DBVR
25	1	U4	N/A	150-mA, 30-V, 1-uA IQ Voltage Regulators with Enable, DBV0005A	Texas Instruments	TPS70925DBVR

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