

TIDA-00762 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		TIDA-00762	Any	Printed Circuit Board	Ť
C1, C2, C3, C4	4	0.1uF	C3216C0G1E104J		CAP, CERM, 0.1 µF, 25 V, +/- 5%, C0G/NP0, 1206	1206
C5, C7, C8, C10,	8	0.1uF	CGA2B3X7R1H104M050BB	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 20%, X7R, 0402	0402
C11, C19, C20,						
C22						
C6, C14, C17	3	10uF	C1608X5R1A106M	TDK	CAP, CERM, 10 µF, 10 V, +/- 20%, X5R, 0603	0603
C9	1	1000pF	C1005X7R1H102K		CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	0402
C12	1	0.022uF	C1005X7R1E223K	TDK	CAP, CERM, 0.022 µF, 25 V, +/- 10%, X7R, 0402	0402
C13	1	2200pF	C1005X7R1H222K	TDK	CAP, CERM, 2200 pF, 50 V, +/- 10%, X7R, 0402	0402
C15	1	2700pF	GRM155R71H272KA01D	MuRata	CAP, CERM, 2700 pF, 50 V, +/- 10%, X7R, 0402	0402
C16, C21	2	2.2uF	C1005X5R1A225K050BC	TDK	CAP, CERM, 2.2 µF, 10 V, +/- 10%, X5R, 0402	0402
C18	1	0.47uF	C1005X5R1A474K050BB	TDK	CAP, CERM, 0.47 µF, 10 V, +/- 10%, X5R, 0402	0402
D1, D6	2	Green	LTST-C190KGKT		LED, Green, SMD	1.6x0.8x0.8mm
D2, D3	2	75V	1N4148X-TP		Diode, Switching, 75 V, 0.3 A, SOD-523	SOD-523
D4	1	Orange	LTST-C190KFKT	Lite-On	LED, Orange, SMD	1.6x0.8x0.8mm
D5	1	Red	LTST-C190CKT	Lite-On	LED, Red, SMD	Red LED,
						1.6x0.8x0.8mm
H1, H2, H3, H4	4		2563	Voltrex	Mounting Feet, 0.25" tall	
J1, J3	2		PEC02SAAN		Header, 100mil, 2x1, Tin, TH	Header, 2 PIN,
						100mil, Tin
J2	1		105017-0001	Molex	Receptacle, Micro-USB-B, Right Angle, SMD	Micro USB receptacle
L1	1	6.5uH	760308101103	Wurth Elektronik	Inductor, 6.5 µH, 3 A, 0.15 ohm, TH	TH, Dia 30mm, Pin spacing 15mm
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
NTC1	1	10.0k ohm	NTCG163JF103F	TDK	Thermistor NTC, 10.0k ohm, 1%, 0603	0603
R1	1	10.0k 0nm 113k	CRCW0402113KFKED		RES, 113 k, 1%, 0.063 W, 0402	0402
R2	1	7.50k	CRCW04027K50FKED		RES, 7.50 k, 1%, 0.063 W, 0402	0402
R2 R3	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, 0402	0402
R4, R9, R17, R19	4	1.00k	CRCW040224R9FRED CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
R5	4	80.6k	CRCW04021K00FKED CRCW040280K6FKED	Vishay-Dale	RES, 80.6 k, 1%, 0.063 W, 0402	0402
R6	1	69.8k	CRCW040269K8FKED	Vishay-Dale	RES, 69.8 k, 1%, 0.063 W, 0402	0402
R7, R8, R12, R20,	5	10.0k	CRCW040209K0FKED		RES, 10.0 k, 1%, 0.063 W, 0402	0402
R24	5	10.0K	CICW040210R01 RED	Visitay-Dale	RES, 10.0 K, 176, 0.003 W, 0402	0402
R10	1	499k	CRCW0402499KFKED	Vishay-Dale	RES, 499 k, 1%, 0.063 W, 0402	0402
R11	1	2.00	CRCW04022R00FKED	Vishay-Dale	RES, 2.00, 1%, 0.063 W, 0402	0402
R13	1	76.8k	CRCW040276K8FKED	Vishay-Dale	RES, 76.8 k, 1%, 0.063 W, 0402	0402
R14	1	10.0k	PCF0402-12-10KBT1		RES, 10.0 k, 0.1%, 0.063 W, 0402	0402
R15, R21, R22	3	10.0k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R18	1	0.02	RL0603FR-070R02L		RES, 0.02, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R23	1	200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, 0402	0402
TP6, TP7	2	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose
	_	Didok				Testpoint
U1	1		BQ500511RHAR	Texas Instruments	BQ500511RHA, RHA0040A	RHA0040A

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U2	1		BQ50002RHB		4.2V to 5.5V Input, 3A Full Bridge, 2 Channel Analog Demodulation Wireless Power TX-Driver for Wireless Charging Applications, RHB0032E	RHB0032E
FID1. FID2. FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
R16	0					0402

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