

Variant: 001
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 TID #: TIDA-01624



TIDA-01624 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-01624	Any	Printed Circuit Board	
2	C1, C2, C3, C4, C5, C7, C13	7	0.1uF	GRM155R71E104KE14D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0402	0402
3	C6, C8	2	10uF	C1608X5R1E106M080AC	TDK	CAP, CERM, 10 uF, 25 V, +/- 20%, X5R, 0603	0603
4	C9	1	1uF	GRM152R60J105ME15D	MuRata	CAP, CERM, 1 uF, 6.3 V, +/- 20%, X5R, 0402	0402
5	C10, C11	2	12pF	GRM0335C1H120JA01D	MuRata	CAP, CERM, 12 pF, 50 V, +/- 5%, COG/NP0, 0201	0201
6	E1	1		ANTENNA_IIFA	N/A	PCB Antenna. There is nothing to buy or mount.	PCB Antenna, 2-Leads
7	FL1	1		2450BM14G0011	Johanson Technology	2.4GHz Impedance Matched Balun + embedded FCC/ETSI Band Pass Filter, SMD	1.6x0.8mm
8	L1	1	10uH	CKS2125100M-T	Taiyo Yuden	Inductor, Multilayer, Ferrite, 10 uH, 0.11 A, 0.52 ohm, SMD	0805
9	R1	1	0	RC0402JR-070RL	Yageo America	RES, 0, 5%, 0.063 W, 0402	0402
10	R2, R3	2	6.98k	RC0603FR-076K98L	Yageo America	RES, 6.98 k, 1%, 0.1 W, 0603	0603
11	R4	1	2.40k	ERJ-2RKF2401X	Panasonic	RES, 2.40 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
12	R5	1	100k	ERJ-2RKF1003X	Panasonic	RES, 100 k, 1%, 0.1 W, 0402	0402
13	R6	1	0	CRCW02010000Z0ED	Vishay-Dale	RES, 0, 5%, 0.05 W, 0201	0201
14	S1	1		TL3780AF330QG	E-Switch	Switch, SPST-NO, 0.05 A, 12 VDC, SMT	3x2mm
15	U1	1		TMP117AIYBGR	Texas Instruments	±0.1°C accurate digital temperature sensor with integrated NV memory, YBG0006AJAP (DSBGA-6)	YBG0006AJAP
16	U2	1		CC2640R2FRSMR	Texas Instruments	SimpleLink(TM) Bluetooth(R) low energy Wireless MCU, RSM0032B (VQFN-32)	RSM0032B
17	Y1	1		TSX-3225 24.0000MF15X-AC3	Epson	Crystal, 24 MHz, 10 ppm, 9 pF, SMD	SMD, 4-Leads, Body 2.65x3.35mm, Height 0.6mm
18	Y2	1		CM2012H32768DZFT	Citizen Electronics	Crystal, 32.768 kHz, SMD	2.05x1.2mm
19	C12, C14	0				CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0201	0201
20	J2	0		U.FL-R-SMT-1(01)	Hirose Electric Co. Ltd.	Receptacle, Ultra Miniature Coaxial, Male Pin, 50 ohm, SMT	Ultra small CO-AX SMD

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