

Variant: Default
 Generated: 12/16/2024 4:32 PM
 TID #: TIDA-01624



TIDA-01624 REV E Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-01624	Any	Printed Circuit Board	
2	BATT	1		MS621FE-FL11E	SeikoInstruments	MS Lihium Rechargeable Battery, 3 V, -20 to 60 degC, Tray	
3	C1, C2, C3, C4, C5, C7, C13	7	0.1uF	GRM033C71A104KE14D	MuRata	CAP, CERM, 0.1 uF, 10 V,+/- 10%, X7S, 0201	0201
4	C6, C8	2		GRM188Z71A106KA73D	Murata	Chip Multilayer Ceramic Capacitors for General Purpose	0603
5	C9	1	1µF	GRM155Z71A105KE01D	Murata	Chip Multilayer Ceramic Capacitors for General Purpose, 0402, 1.0uF, X7R, 15%, 10%, 10V	0402
6	C12, C14	2		GRM0335C1H1R5BA01J		Chip Multilayer Ceramic Capacitors for General Purpose, 0201, 1.5pF, C0G, 30ppm/°C, 0.1pF, 50V	
7	E1	1		ANTENNA_IIFA	N/A	PCB Antenna. There is nothing to buy or mount.	PCB Antenna, 2-Leads
8	L1	1		LQM18DN100M70L		Multilayer type Inductor for Power Lines 10uH ±20% @1MHz, 300mA, Max DCR 1.365Ω, SRF 32MHz	
9	L2	1	2.8nH	LQP03TN2N8B02J	Murata	Film type RF Inductor 2.8nH ±0.1nH 500mA 0.2Ω 0201 (0603)	0201 (0603)
10	R1	1	0	RC0402JR-070RL	Yageo America	RES, 0, 5%, 0.063 W, 0402	0402
11	R2, R3	2	6.98k	RC0201FR-7D6K98L	Yageo America	RES, 6.98 k, 1%, 0.05 W, 0201	0201
12	R4	1	2.40k	ERJ-2RKF2401X	Panasonic	RES, 2.40 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
13	R5	1	100k	RC0201JR-7D100KL	Yageo America	RES, 100 k, 5%, 0.05 W, 0201	0201
14	R6	1	0	CRCW02010000Z0ED	Vishay-Dale	RES, 0, 5%, 0.05 W, 0201	0201
15	S1	1		TL3780AF330QG	E-Switch	Switch, SPST-NO, 0.05 A, 12 VDC, SMT	3x2mm
16	U1	1		TMP119AIYBGR	Texas Instruments	High-Accuracy, Low-Power, Digital Temperature Sensor With SMBus™- and I2C-Compatible Interface	DSBGA6
17	U2	1		CC2340R53E0YBGR	Texas Instruments	Family SimpleLink™ Wireless MCU, DSBGA28	DSBGA28
18	Y1	1		TZ3908AAAO43	TAI-SAW Technology	Crystal Unit SMD 2.0x1.6 48.0MHz	SMT4_2MM05_1MM65

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#) or other applicable terms available either on [ti.com](https://www.ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2024, Texas Instruments Incorporated