

Bill of Materials

TI DESIGNS

TIDA-BPM

Part Reference	Quantity	Value	PCB Package	Description	MPN	Manufacturer
A1	1	2.4GHz		MECHANIC, SMALL SIZE 2.4GHz PCB ANTENNA, SMD	AN043	TEXAS INSTRUMENTS
C3 C404	2	1uF	0603	CAPACITORS, CERAMIC, 1uF, 15%, X5R, 10V, 0603, SMD	GRM188R61A105KA61	MURATA
C4	1	DNM		CAPACITOR, DO NOT MOUNT, 0603, SMD		
C41	1	4.7uF	0603	CAPACITOR, CERAMIC X5R, 4.7uF, 6.3V, -10%/+10%, -55C	GRM188R60J475KE19U	MURATA
C101 C241 C271 C311	4	100nF	0402	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55C	GRM155R70J104KA01	MURATA
C211 C391 C401	3	1uF	0402	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55C	GRM155R61A105KE15	MURATA
C221 C231	2	15pF	0402	CAPACITOR, CERAMIC C0G/NP0, 15pF, 50V, -5%/+5%	GRM1555C1H150JA01	MURATA
C272	1	220pF	0402	CAPACITOR, CERAMIC C0G/NP0, 220pF, 50V, -5%/+5%	GRM1555C1H221JA01	MURATA
C394 C395	2	18pF	0402	CAPACITOR, CERAMIC C0G/NP0, 18pF, 50V, -55DEGC	GRM1555C1H180JA01	MURATA
C409	1	DNM		CAPACITOR, DO NOT MOUNT, 0402, SMD		
C410	1	1nF	0402	CAPACITOR, CERAMIC C0G/NP0, 1nF, 50V, -5%/+5%	CAPACITOR_0402_1nF	MANUFACTURER SELECTION
CR1	1	SML-LX0402SUGC	0402	OPTO, LED, GREEN COLOR, 574nm, 0.025A, 0.1W, 0402	SML-LX0402SUGC-TR	LUMEX
FB1	1	BLM15HG102SN1	0402	FILTER, INDUCTOR TYPE, 1000OHM@100MHZ, 25%, 20V	BLM15HG102SN1D	MURATA
FIDU1 FIDU2 FIDU3	3	FIDU_1MM		FIDUCIAL MARK, ROUND 1MM		
FL1	1	LFB182G45BG2D280	0603	FILTER, LC, BAND PASS FILTER@50R, 2450MHZ, -40DB	LFB182G45BG2D280	MURATA
J1	1	MTB02008		CONNECTOR, TERMINAL BLOCK, FEMALE, RIGHT ANGLE	MTB02008	SAURO
J2	1	MTB03008		CONNECTOR, TERMINAL BLOCK, FEMALE, RIGHT ANGLE	MTB03008	SAURO
MH5 MH6 MH7 MH8	4	HOLE_2.0mm_PTH		HOLE 2.0mm, PLATED THROUGH HOLE		
P1 P2	2	FTSH-105-01-F-DV-K		CONNECTOR, HEADER, MALE, STRAIGHT, 10 PINS, 2.54MM	FTSH-105-01-F-DV-K	SAMTEC
R41	1	2	0402	RESISTOR, THICK FILM, 2, -1%/+1%, 0.063W, 50V, -55C	RK73H1ETTP2R00F	KOA SPEER
R69	1	56k	0402	RESISTOR, THICK FILM, 56k, -1%/+1%, 0.063W, 50V, -55C	RESISTOR_0402_56k	Manufacturer selection
R79	1	2.7k	0402	RESISTOR, THICK FILM, 2.7k, -1%/+1%, 0.063W, 50V, -55C	RESISTOR_0402_2.7k	MANUFACTURER SELECTION
R81	1	120	0402	RESISTOR, THICK FILM, 120, -1%/+1%, 0.063W, 50V, -55C	RMCF0402FT120R	SEI STACKPOLE
R82	1	270	0402	RESISTOR, THICK FILM, 270, -1%/+1%, 0.063W, 50V, -55C	RK73H1ETTP2700F	KOA SPEER
R83	1	0	0402	RESISTOR, THICK FILM, 0, 0.0625W, 50V, -55DEGC/+1%	RC0402FR-070RL	YAGEO
SW1	1	B3U-1000PM		SWITCH, TACT, CUSTOM, SPST-NO, 0.05A@12V, SMD	B3U-1000P	OMRON
U1	1	CC2540F256	VQFN40	IC, DIGITAL WIRELESS, 2.4-GHz BLUETOOTH® LOW ENERGY	CC2540F256RHAR	TEXAS INSTRUMENTS
U3	1	TPS76933	SOT23-5	IC, ANALOG, ULTRALOW-POWER LINEAR REGULATOR	TPS76933DBVT	TEXAS INSTRUMENTS
U4	1	SN65HVD485	SO8	IC, DIGITAL, LOGIC, RS 485 TRANSCEIVER HALF DUPLEX	SN65HVD485ED	TEXAS INSTRUMENTS

Part Reference	Quantity	Value	PCB Package	Description	MPN	Manufacturer
Y1	1	32MHz	SMD	CRYSTAL, OSCILATOR, 32MHz, 12pF, -10PPM/+10PPM	FA-128 32MHz 12pF 10	Epson Toyocom
Y3	1	32.768kHz		CRYSTAL, RESONATOR, 32.768kHz, -20PPM/+20PPM,	FC-135 32.7680KA-AC	EPSON ELECTRONICS AMERICA

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