

Bill of Materials

TI DESIGNS

TIDC-BLUETOOTH-SMART-KEYBOARD-MODULE

Item	Quantity	Part Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Package
1	1	C2	DNM	CAPACITOR, DO NOT MOUNT, 0603, SMD			Nil	
2	2	C3 C4	12pF	CAPACITOR, CERAMIC C0G/NP0, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MANUFACTURE R SELECTION	CAPACITOR_0402_12pF_C0 G/NP0_M_+/-5%_50V	Nil	0402
3	2	C5 C18	10uF	CAPACITOR, CERAMIC X5R, 10uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	MURATA	GRM188R60J106ME47D	Nil	0603
4	6	C6 C7 C9 C10 C22 C25	100nF	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM155R70J104KA01D	Nil	0402
5	1	C11	6.8pF	CAPACITOR, CERAMIC C0G/NP0, 6.8pF, 50V, -0.25pF, +0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H6R8CA01D	Nil	0402
6	2	C12 C13	1pF	CAPACITOR, CERAMIC C0G/NP0, 1pF, 50V, -0.25pF/ +0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H1R0CA01D	Nil	0402
7	2	C14 C16	1.2pF	CAPACITOR, CERAMIC C0G/NP0, 1.2pF, 50V, -0.1pF/ +0.1pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H1R2BA01D	Nil	0402
8	1	C15	12pF	CAPACITOR, CERAMIC C0G/NP0, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H120JA01D	Nil	0402

9	1	C17	100nF	CAPACITOR, CERAMIC X7R, 100nF, 25V, -10%/+10%, -55DEGC/+125DEGC, 0603, SMD	MURATA	GRM188R71E104KA01D	Nil	0603
10	4	C19 C20 C26 C27	DNM	CAPACITOR, CERAMIC, N/A VALUE, -55DEGC/+125DEGC, 0402, SMD	Manufacturer selection	CAPACITOR_0402_DNM_N/A_M	Nil	0402
11	1	C23	1uF	CAPACITOR, CERAMIC, 1uF, -20%+80%, Y5V, 6.3V, 0402, SMD	MURATA	GRM155F50J105ZE01D	Nil	0402
12	1	FL1	BLM18HE152SN1	FILTER, EMI, 1500@100MHz, -55DEGC/+125DEGC, 0603, SMD	MURATA	BLM18HE152SN1D	Nil	0603
13	1	L1	10uH	INDUCTOR, CHIP, 10uH, -20%/+20%, 0.11A, -40DEGC/+85DEGC, 0805, SMD	TAIYO YUDEN	CKS2125100M-T	Nil	0805
14	2	L2 L3	2.4nH	INDUCTOR, CHIP, 2.4nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQG15HN2N4S02D	Nil	0402
15	1	L4	2nH	INDUCTOR, CHIP, 2nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQG15HS2N0S02D	Nil	0402
16	1	R4	100k	RESISTOR, THICK FILM, 100k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURE R SELECTION	RESISTOR_0402_100k_+/-1%_50V_0.063W_M_+/-100PPM	Nil	0402
17	1	R20	0	RESISTOR, JUMPER, -55DEGC/+155DEGC, 0402, SMD	KOA SPEER	RK73Z1ETTP	Nil	0402
18	1	U1	CC2650F128RGZ	IC, DIGITAL, 2.4GHZ SIMPLELINK WIRELESS MCU, PITCH 0,5MM, QFN48, SMD	TEXAS INSTRUMENTS	CC2650F128RGZT	Nil	QFN48
19	1	Y1	32.768kHz	CRYSTAL, RESONATOR, 32.768kHz, -20PPM/+20PPM, -40DEGC/+85DEGC, SMD	EPSON	FC-135 32.7680KA-AGO	Nil	
20	1	Y3	24MHz	CRYSTAL, OSCILATOR, 24MHz, -40DEGC/+85DEGC, SMD	Epson Toyocom	TSX-3225 24MHz	Nil	

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