

# Bill of Materials

TI DESIGNS

Item	Quantity	Reference	Value	Part Description	Manufacturer	Manufacturer PartNumber	Alternate Part	PCB Footprint	Note
1	4	C1, C5, C6, C14	0.068uF	CAP, CERM, 0.068uF, 50V, +/-10%, C0G/NP0, 0402	TDK	C1005X7R1H683K		0402	C1005X7R1H683K
2	2	C2, C13	0.47uF	CAP, CERM, 0.47uF, 50V, +/-10%, X5R, 0402	Taiyo Yuden	UMK105ABJ474KV-F		0402	UMK105ABJ474KV-F
3	1	C3	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, C0G/NP0, 0402	TDK	C1005X7R1H104K		0402	C1005X7R1H104K
4	2	C4, C12	0.015uF	CAP, CERM, 0.015uF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H153KA12D		0402	GRM155R71H153KA12D
5	4	C7, C11, C15, C18	0.1uF	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0201	TDK	C0603X5R1E104K030BB		0201	C0603X5R1E104K030BB
6	1	C8	1uF	CAP, CERM, 1uF, 10V, +/-20%, X5R, 0201	Samsung	CL03A105MP3NSNC		0201	CL03A105MP3NSNC
7	1	C9	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0402	MuRata	GRM1555C1H101JA01D		0402	GRM1555C1H101JA01D
8	1	C10	2700pF	CAP, CERM, 2700pF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H272KA01J		0402	GRM155R71H272KA01J
9	2	C16, C17	10uF	CAP, CERM, 10uF, 25V, +/-10%, X5R, 0603	MuRata	GRM188R61E106MA73D		0603	GRM188R61E106MA73D
10	1	C19	1uF	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0402	TDK	CGB2A1X5R1E105K033BC		0402	CGB2A1X5R1E105K033BC
11	1	D1	5.1V	Diode, Zener, 5.1V, 300mW, SOD-523	Diodes Inc.	BZT52C5V1T-7		SOD-523	BZT52C5V1T-7
12	2	J1, J2		Header male, 2x1, 50mil, TH	Sullins Connector Solutions	GRPB021VWVN-RC		Sullins_GRPB021VWVN-RC	GRPB021VWVN-RC
13	1	R1	1M0	RES, 1M0 ohm, 1%, 0.05W, 0201	Panasonic	ERJ-1GEF1004C		0201M	ERJ-1GEF1004C
14	2	R2, R9	10k	RES, 10k ohm, 1%, 0.05W, 0201	Panasonic	ERJ-1GEF1002C		0201M	ERJ-1GEF1002C
15	1	R3	220	RES, 220 ohm, 1%, 0.05W, 0201	Panasonic	ERJ-1GEF2200C		0201M	ERJ-1GEF2200C
16	2	R4, R5	DNP, 20k	RES, 20k ohm, 1%, 0.05W, 0201	Panasonic	ERJ-1GEF2002C		0201M	ERJ-1GEF2002C
17	1	R6	499	RES, 499 ohm, 1%, 0.05W, 0201	Vishay-Dale	ERJ-1GEF4990C		0201M	ERJ-1GEF4990C
18	2	R7, R11	102k	RES, 102k ohm, 1%, 0.05W, 0201	Panasonic	ERJ-1GEF1023C		0201M	ERJ-1GEF1023C
19	3	R8, R12, R13	11.3k	RES, 11.3k ohm, 1%, 0.05W, 0201	Panasonic	ERJ-1GEF1132C		0201M	ERJ-1GEF1132C
20	1	R10	1.00k	RES, 1.00k ohm, 1%, 0.05W, 0201	Panasonic	ERJ-1GEF1001C		0201M	ERJ-1GEF1001C
21	1	U1		DUAL MODE (Qi and PMA) INTEGRATED WIRELESS RECEIVER POWER SUPPLY, YFP0042AWCG	Texas Instruments	bq51221YFP		YFP0042AWCG	bq5102x

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