

Bill of Materials

Item Number	Quantity	Value	Description	Part Number	Part Reference	MPN	NOTE Status	Manufacturer	PCB Package
2	0	DNM	CAPACITOR, CERAMIC, N/A VALUE, -55DEGC/+125DEGC, 0402, SMD	02-04164	ANT1 C12 C41 C177 C302	CAPACITOR_0402_DNM_N/A_M	PREFERRED	Manufacturer selection	0402
3	1	0.9pF	CAPACITOR, CERAMIC C0G/NP0, 0.9pF, 50V, -0.1pF/+0.1pF, -55DEGC/+125DEGC, 0402, SMD	02-04604	ANT2	GRM1555C1HR90BA01D	PREFERRED	MURATA	0402
4	3	56nH	INDUCTOR, CHIP, 56nH, -5%/+5%, 0.2A, -55DEGC/+125DEGC, 0402, SMD	03-06596	ANT3 L171 L191	LQW15AN56N00D	PREFERRED	MURATA	0402
5	11	47nF	CAPACITOR, CERAMIC, X7R, 47nF, 25V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	02-04324	C11 C51 C121 C131 C151 C221 C251 C261 C271 C281 C291	GRM155R71E473KA88D	PREFERRED	MURATA	0402
6	1	2.2uF	CAPACITOR, CERAMIC X5R, 2.2uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0603, SMD	02-02405	C52	GRM188R61A225KE34D	PREFERRED	MURATA	0603
7	1	220nF	CAPACITOR, CERAMIC X5R, 220nF, 10V, -15%/+15%, -55DEGC/+85DEGC, 0402, SMD	02-04353	C61	GRM155R61A224KE19D	PREFERRED	MURATA	0402
8	2	10nF	CAPACITOR, CERAMIC X7R, 10nF, 25V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	02-02314	C171 C211	GRM155R71E103KA01D	PREFERRED	MURATA	0402
9	1	100pF	CAPACITOR, CERAMIC C0G/NP0, 100pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	02-04365	C172	GRM1555C1H101JA01D	PREFERRED	MURATA	0402
10	1	56pF	CAPACITOR, CERAMIC C0G/NP0, 56pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	02-04612	C173	GRM1555C1H560JA01D	PREFERRED	MURATA	0402
11	1	39pF	CAPACITOR, CERAMIC C0G/NP0, 39pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	02-04611	C174	GRM1555C1H390JA01D	PREFERRED	MURATA	0402
12	1	6.2pF	CAPACITOR, CERAMIC C0G/NP0, 6.2pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	02-04608	C175	GRM1555C1H6R2CA01D	PREFERRED	MURATA	0402
13	1	2.2pF	CAPACITOR, CERAMIC C0G/NP0, 2.2pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	02-04605	C176	GRM1555C1H2R2CA01D	PREFERRED	MURATA	0402
14	3	5.1pF	CAPACITOR, CERAMIC C0G/NP0, 5.1pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	02-04607	C181 C191 C201	GRM1555C1H5R1CA01D	PREFERRED	MURATA	0402
15	1	1.5nF	CAPACITOR, CERAMIC U2J, 1.5nF, 10V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	02-04545	C231	GRM1557U1A152JA01D	PREFERRED	MURATA	0402
16	2	15pF	CAPACITOR, CERAMIC C0G/NP0, 15pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	02-04372	C301 C311	GRM1555C1H150JA01D	PREFERRED	MURATA	0402
17	0	DNM	CAPACITOR, CERAMIC X7R, 100nF, 10V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	02-00760	C321	GRM155R71A104KA01D	PREFERRED	MURATA	0402
18	0	DNM	CAPACITOR, CERAMIC C0G/NP0, 22pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	02-04373	C322	GRM1555C1H220JA01D	PREFERRED	MURATA	0402
20	1	BLM15HG102SN1	FILTER, INDUCTOR TYPE, 1000OHM@100MHZ, 25%,250mA, 0402, SMD	04-00032	L1	BLM15HG102SN1D	PREFERRED	MURATA	0402
21	2	15nH	INDUCTOR, CHIP, 15nH, -5%/+5%, 0.46A, -55DEGC/+125DEGC, 0402, SMD	03-06555	L172 L193	LQW15AN15N00D	PREFERRED	MURATA	0402
22	1	43nH	INDUCTOR, CHIP, 43nH, -5%/+5%, 0.25A, -55DEGC/+125DEGC, 0402, SMD	03-06595	L173	LQW15AN43N00D	PREFERRED	MURATA	0402
23	1	22nH	INDUCTOR, RF APPLICATION, WIREWOUND COIL, 22nH, -5%/+5%, 0.31A, -55DEGC/+125DEGC, 0402, SMD	03-06144	L174	LQW15AN22N00B	PREFERRED	MURATA	0402
24	2	27nH	INDUCTOR, CHIP, 27nH, -5%/+5%, 0.28A, -55DEGC/+125DEGC, 0402, SMD	03-06594	L192 L201	LQW15AN27N00D	PREFERRED	MURATA	0402
25	2	SFM-110-02-S-D-A-K-TR	CONNECTOR, HEADER, FEMALE, STRAIGHT, 2 ROWS, 20 PINS, PITCH 1.27mm, SMD	06-02251	P1 P2	SFM-110-02-SM-D-A-K-TR	PREFERRED	SAMTEC	
26	1	SMA-10V21-TGG	CONNECTOR, COAX RF, STRAIGHT, FEMALE, 1 PIN, SMD	06-02188	P3	SMA-10V21-TGG	PREFERRED	HUS-TSAN	
28	1	0	RESISTOR, JUMPER, -55DEGC/+155DEGC, 0402, SMD	01-01784	R12	RK73Z1ETTP	PREFERRED	KOA SPEER	0402
29	1	56k	RESISTOR, THICK FILM, 56k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	01-16848	R141	RK73H1ETTP5602F	PREFERRED	KOA SPEER	0402

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30	1	18	RESISTOR, THICK FILM, 18, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	01-11618	R171	RESISTOR_0402_18_+/-5%_50V_0.063W_M_+/-200PPM	PREFERRED	Manufacturer selection	0402
31	1	0	RESISTOR, JUMPER, 3 PORTS, -55DEGC/+155DEGC, 0402, SMD	01-16574	R181	RK73Z1ETTP	PREFERRED	KOA SPEER	0402
32	0	DNM	RESISTOR, DO NOT MOUNT, 0402, SMD	01-02472	R321 R322	DNM	PREFERRED	DO NOT MOUNT	0402
33	0	DNM	IC, ANALOG, HIGH PSRR FAST RF LOW DROPOUT REGULATOR IN WAFER CHIP SCALE, VIN:2.7V TO 5.5V, VOUT: 3V, SOT23-5, SMD	18-01358	U2	TPS79330DBVR	NOT_PREFERRED	TEXAS INSTRUMENTS	SOT23-5
34	1	CC120xRHB	IC, ANALOG RF, CC120xRHB, N/A, QFN32, SMD	18-28112	U3	CC120xRHB	PREFERRED	TEXAS INSTRUMENTS	QFN32
35	1	40MHz	CRYSTAL, OSCILATOR, 40MHz, -15PPM/DEGC/+15PPM/DEGC, 100V, -20DEGC/+75DEGC, SMD	12-00469	X1	NX3225SA 40MHz EXS00A-CS03880	PREFERRED	NIHON DEMP KOGYO CO., LTD	
36	0	DNM	CRYSTAL, OSCILATOR, TBD, 2.3V TO 3.6V, -30DEGC/+85DEGC, , SMD	12-00451	X2	TG_5021CG	PREFERRED	Epson Toyocom	

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