

## Bill of Materials

Ref/Part name	pcs/unit	Description	Manufacturer	Value	Part Number	MPN	PCB Package	Rtd Voltage	Min Oper Temp	Max Oper Temp
C2	1	CAPACITOR, CERAMIC X5R, 2.2uF, 10V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	MURATA	2.2uF	02-01132	GRM188R61A225ME34D	0603	10V	-55DEGC	+85DEGC
C3	1	CAPACITORS, CERAMIC, 1uF, 15%, X5R, 10V, 0603, SMD	MURATA	1uF	02-01389	GRM188R61A105KA61D	0603	10V	-55DEGC	+85DEGC
C4	0	CAPACITOR, DO NOT MOUNT, 0603, SMD		DNM	02-01324					
C21 C31	2	CAPACITOR, CERAMIC C0G/NPO, 47pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	47pF	02-04366	GRM1555C1H470JA01D	0402	50V	-55DEGC	+125DEGC
C41	1	CAPACITOR, CERAMIC X5R, 4.7uF, 6.3V, -10%/+10%, -55DEGC/+85DEGC, 0603, SMD	MURATA	4.7uF	02-02418	GRM188R60J475KE19D	0603	6.3V	-55DEGC	+85DEGC
C101 C151 C241 C331 C361 C391 C431	7	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MURATA	100nF	02-02323	GRM155R70J104KA01D	0402	6.3V	-55DEGC	+125DEGC
C281	1	CAPACITOR, CERAMIC X7R, 1nF, 50V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MURATA	1nF	02-02070	GRM155R71H102KA01D	0402	50V	-55DEGC	+125DEGC
C321 C551 C561	3	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	MURATA	1uF	02-02381	GRM155R61A105KE15D	0402	10V	-55DEGC	+85DEGC
C341 C351	2	CAPACITOR, CERAMIC C0G/NPO, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	12pF	02-04168	GRM1555C1H120JA01D	0402	50V	-55DEGC	+125DEGC
C371 C381	2	CAPACITOR, CERAMIC C0G/NPO, 18pF, 50V, -55DEGC/+125DEGC, 0402, SMD	MURATA	18pF	02-02407	GRM1555C1H180JA01D	0402	50V	-55DEGC	+125DEGC
C372 C382	2	CAPACITOR, CERAMIC C0G/NPO, 1pF, 50V, -0.1pF/+0.1pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	1pF	02-04367	GRM1555C1H1R0BA01D	0402	50V	-55DEGC	+125DEGC
C373	1	CAPACITOR, CERAMIC C0G/NPO, 1.2pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	1.2pF	02-04524	GRM1555C1H1R2CA01D	0402	50V	-55DEGC	+125DEGC
C374	0	CAPACITOR, DO NOT MOUNT, 0402, SMD		DNM	02-01321					
C392	1	CAPACITOR, CERAMIC C0G/NPO, 220pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	220pF	02-01276	GRM1555C1H221JA01D	0402	50V	-55DEGC	+125DEGC
C441 C451	2	CAPACITOR, CERAMIC C0G/NPO, 22pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	22pF	02-04373	GRM1555C1H220JA01D	0402	50V	-55DEGC	+125DEGC
FL1	1	FILTER, EMI, 1500@100MHz, -55DEGC/+125DEGC, 0603, SMD	MURATA	BLM18HE152SN1	04-00470	BLM18HE152SN1D	0603		-55DEGC	+125DEGC
J1	1	CONNECTOR, USB-B, 5 PINS, PITCH 0.65mm, SMD	Tyco	1981568-1	06-02244	1981568-1			N/A	N/A
J2	0	CONNECTOR, COAX RF, DO NOT MOUNT								
L372 L373 L381	3	INDUCTOR, CHIP, 2nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	2nH	03-06525	LQG15HS2N0S02D	0402		-55DEGC	+125DEGC
L374	0	INDUCTOR, DO NOT MOUNT, 0402, SMD		TBD	03-01022					



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