

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
!PCB1	1		Printed Circuit Board		PMP22682	Any
C1, C4, C7, C9, C10, C12, C15, C17	8	10uF	CAP, CERM, 10 uF, 16 V, +/- 10%, X7R, 0805	0805	CL21B106K0QNNNE	Samsung Electro-Mechanics
C2, C5, C6, C8, C11, C13, C14, C16	8	0.1uF	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603	C1608X7R1H104K080AA	TDK
C3	1	100uF	CAP, AL, 100 uF, 10 V, +/- 20%, SMD	F55	EMVA100ADA101MF55G	Chemi-Con
C18, C19, C26, C27	4	0.47uF	CAP, CERM, 0.47 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603	GCM188R71C474KA55D	MuRata
C20, C23	2	1uF	CAP, CERM, 1 uF, 16 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0603	0603	GCM188R71C105MA64D	MuRata
C21, C24	2	0.1uF	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603	GCM188R71C104KA37J	MuRata
C22, C25	2	0.01uF	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603	CGA3E2X7R2A103K080AA	TDK
D1	1	Green	LED, Green, SMD	LED, 2.3x1.4x1.5mm	LP M67K-D2G1-25-Z	OSRAM
J1, J2, J7, J8, J11, J12, J13	7		Header, 100mil, 3x1, Tin, TH	Header, 3x1, 100mil, TH	5-146278-3	TE Connectivity
J3	1		JACK, SMB, 75 Ohm, Gold, TH	JACK, 75 Ohm, TH	142138-75	Amphenol RF
J4	1		Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH	0393570002	Molex
L1, L2, L3, L4, L5, L6, L7, L8	8	1500 ohm	Ferrite Bead, 1500 ohm @ 100 MHz, 0.5 A, 0603	0603	BLM18HE152SN1D	MuRata
Q1	1	60V	MOSFET, N-CH, 60 V, 0.115 A, AEC-Q101, SOT-23	SOT-23	2N7002Q-7-F	Diodes Inc.
R1, R2, R12, R13	4	51.1	RES, 51.1, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010	CRCW201051R1FKEF	Vishay-Dale
R4, R7, R15, R17, R20, R21	6	0	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603	ERJ-3GEY0R00V	Panasonic
R5	1	10.0k	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
R8	1	499	RES, 499, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603	CRCW0603499RFKEA	Vishay-Dale
R11	1	51.1k	RES, 51.1 k, 0.5%, 0.1 W, 0603	0603	RT0603DRE0751K1L	Yageo America
R24	1	18.0	RES, 18.0, 1%, 0.1 W, 0603	0603	RC0603FR-0718RL	Yageo
R25, R26	2	4.70k	RES, 4.70 k, 1%, 0.1 W, 0603	0603	RC0603FR-074K7L	Yageo
R27, R28	2	0	RES, 0, 3 W, 2512	2512	3522ZR	TE Connectivity
U1, U2, U3, U4	4		500 mW, High-Efficiency, Low-Emissions, 5 kVRMS Isolated DC-DC Converter, DVE0016A (SO-MOD-16)	DVE0016A	UCC12050DVER	Texas Instruments
U5	1		Ultra Low Noise, 150mA Linear Regulator for RF/Analog Circuits Requires No Bypass Capacitor, 6-pin LLP, Pb-Free		LP5900SDX-1.8/NOPB	Texas Instruments
U6	1		Ultra Low Noise, 150mA Linear Regulator for RF/Analog Circuits Requires No Bypass Capacitor, 6-pin LLP, Pb-Free	NGF0006A	LP5900SDX-3.3/NOPB	Texas Instruments
U7	1		Programmable 1-PLL VCXO Clock Synthesizer with 2.5-V or 3.3-V LVCMOS Outputs, PW0014A (TSSOP-14)	PW0014A	CDCE913PWR	Texas Instruments
Y1	1		Crystal, 16 MHz, 15 ppm, 8 pF, AEC-Q200 Grade 1, SMD	3.2x0.55x2.5mm	NX3225SA-16.000M-STD-CRS-2	NDK
C28, C29	0	10pF	CAP, CERM, 10 pF, 10 V, +/- 2.5%, C0G/NP0, 0402	0402	C0402C100C8GACTU	Kemet
J5, J6, J9, J10	0		Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH	0393570002	Molex
L9, L10	0	600 ohm	Ferrite Bead, 600 ohm @ 100 MHz, 1.3 A, 0603	0603	BLM18KG601SN1D	MuRata
R9, R10, R18, R19, R22, R23	0	0	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603	ERJ-3GEY0R00V	Panasonic
R3, R6, R14, R16	0	50	RES, 50, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603	CRCW060350R0FKEA	Vishay-Dale

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.