

Designator	Value	Description	Digi-Key_Purchase_URL	Digi-Key_Part_Number	Quantity
12RIF, 12RIFIN, RF_OUT, URRF, URRFIN, VRRF, VRRFIN	UF.L	Conn Coaxial PL 50Ohm Solder ST SMD Gold Over Nickel	https://www.digikey.com/product-detail/en/te-connectivity-amp-connectors/1909763-1/A118077DKR-ND/4914093	A118077DKR-ND	7
C1, C4	10uF	Cap Ceramic 10uF 25V X5R 10% SMD 0805 85Â°C Embossed T/R	https://www.digikey.com.tr/product-detail/en/samsung-electro-mechanics/CL21A106KAYNNNE/1276-2891-1-ND/3890977	1276-2891-6-ND	2
C2, C5	1uF 16V	Eia Case Size: 0805, Voltage: 50, Cap Value: 1000000, Tol: +/-10%, Thickness: 1.25 Â± 0.20	https://www.digikey.com/product-detail/en/kemet/C0805C105Z4VACTU/399-8011-6-ND/3472542	399-8011-6-ND	2
C3, C6, C7, C8, C9, CF, CFA, CFB, CFC	100nF 50V	CAP CER 1000PF 50V C0G/NP0 0805, CAP CER 100nF 50V C0G/NP0 0805, Eia Case Size: 0805, Voltage: 50, Cap Value: 100000, Tol: +/-10%, Thickness: 1.25 Â± 0.20	https://www.digikey.com/product-detail/en/tdk-corporation/CGA4J2X8R1H104K125AA/445-5909-6-ND/2444516	445-5909-6-ND	9
CINA, CINB, CINC	100nF	Eia Case Size: 0805, Voltage: 50, Cap Value: 100000, Tol: +/-10%, Thickness: 1.25 Â± 0.20	https://www.digikey.com/product-detail/en/samsung-electro-mechanics/CL10B104KA8NNNC/1276-1006-1-ND/3889092	1276-1006-1-ND	3
COUT	10nF	Eia Case Size: 0805, Voltage: 50, Cap Value: 10000, Tol: +/-10%, Thickness: 1.25 Â± 0.20	https://www.digikey.com/product-detail/en/samsung-electro-mechanics/CL21C103JBF1PNE/1276-6790-6-ND/5962024	1276-6790-6-ND	1
D1	1N4148WTR	Diode Standard 75V 250mA (DC) Surface Mount SOD-123	https://www.digikey.com/product-detail/en/smc-diode-solutions/1N4148WTR/1655-1360-6-ND/6023160	1655-1360-6-ND	1
FL	EMIF-500MHz	LC (Pi) EMI Filter 3rd Order Low Pass 1 Channel L = 31nH	https://www.digikey.com/product-detail/en/murata-electronics/NFL21SP507X1C3D/490-6960-6-ND/3847173	490-6960-1-ND	1
Fsupp		Thermal Fuse 200mA	https://www.digikey.com/product-detail/en/bel-fuse-inc/0ZCM0020FF2G/507-1821-1-ND/4156270	507-1821-1-ND	1
JPBPIN_0	5 Pin	Connector Header Through Hole, Right Angle 5 position 0	https://www.digikey.com/product-detail/en/jst-sales-america-inc/B5B-PH-K-S-LF-SN/455-1707-ND/926614 https://www.digikey.com/en/products/detail/jst-sales-america-inc/PHR-5/608605	455-1707-ND	1
JPBPOUT_0	5 Pin	Connector Header Through Hole, Right Angle 5 position 0	https://www.digikey.com/product-detail/en/jst-sales-america-inc/B5B-PH-K-S-LF-SN/455-1707-ND/926614 https://www.digikey.com/en/products/detail/jst-sales-america-inc/PHR-5/608605	455-1163-ND	1
JPOUT_0	2 pin	Connector Header Through Hole 2 position 0.079 _2.00mm	https://www.digikey.com/short/z2v159	455-1704-ND	1
LID1		Lid for rf-cage.	https://www.digikey.com/product-detail/en/te-connectivity-amp-connectors/2118731-2/A126136-ND/7381875	A126136-ND	1
LIN, Lout	1uH	1ÂµH Shielded Multilayer Inductor 1.15A 60mOhm 0805 _2012 Metric_	https://www.digikey.com/product-detail/en/tdk-corporation/MLZ2012N1R0LT000/445-6756-6-ND/2523662	445-6756-6-ND	2
POWER_IN	2 pin	Connector Header Through Hole, Right Angle 2 position	https://www.digikey.com/product-detail/en/jst-sales-america-inc/S2B-PH-K-S_LF__SN_/455-1719-ND/926626	455-1719-ND	1
POWER_LED	Green LED	LED GREEN DIFFUSED 0805 SMD	https://www.digikey.com/en/products/detail/osram-opto-semiconductors-inc/LG-R971-KN-1/1227925	475-1410-6-ND	1
R10, R20, R30, R40, R50, R60	20k	Res Thick Film 0805 20K Ohm 1% 0.125W_ 1/8W_ ?100pp	https://www.digikey.com/en/products/detail/yageo/RT0603FRE0720KL/1075194	YAG5727DKR-ND	6
RF1	150R	150 Ohms Â±1% 0.125W, 1/8W Chip Resistor 0805 (2012)	https://www.digikey.com/product-detail/en/yageo/RC0805FR-07150RL/311-150CRDKR-ND/733507	311-150CRDKR-ND	1
RF2, RFA2, RFB2, RFC2	270R	270 Ohms Â±1% 0.125W, 1/8W Chip Resistor 0805 (2012)	https://www.digikey.com/product-detail/en/te-connectivity-passive-product/CRGCQ0805F270R/A129742DKR-ND/8578804	A129742DKR-ND	4
RFA1	100R	100 Ohms Â±1% 0.125W, 1/8W Chip Resistor 0805 (2012)	https://www.digikey.com/product-detail/en/yageo/RC0805FR-07100RL/311-100CRDKR-ND/733437	311-100CRDKR-ND	1
RFB1	82R	82 Ohms Â±1% 0.125W, 1/8W Chip Resistor 0805 (2012)	https://www.digikey.com/product-detail/en/yageo/RC0805FR-0782RL/311-82-0CRDKR-ND/734058	311-82.0CRDKR-ND	1
RFC1	220R	220 Ohms Â±1% 0.125W, 1/8W Chip Resistor 0805 (2012)	https://www.digikey.com/short/znc2q9	A129741DKR-ND	1
RFSHIELD		Rf cage.	https://www.digikey.com/product-detail/en/te-connectivity-amp-connectors/2118732-2/A126160CT-ND/7381920	A126160TR-ND	1
RG	1k	0805/Case Surface Mount/Pkg 1/10-Watt 1k-Ohms 1pct-To	https://www.digikey.com.tr/product-detail/en/yageo/RC0805FR-071KL/311-1.00KCRCT-ND/730391	311-1.00KCRDKR-ND	1
RLA, RLB, RLC	100R	0805/Case Surface Mount/Pkg 1/10-Watt 1k-Ohms 1pct-To	https://www.digikey.com/short/znc2b8	311-100CRDKR-ND	3
RLED	10k	2.2 kOhms Â±1% 0.125W, 1/8W Chip Resistor 0805 _2012 Metric_ Moisture Resistant Thick Film	https://www.digikey.com/short/znc28v	311-10.0KCRDKR-ND	1
RS	49R9	49.9 Ohms Â±1% 0.125W, 1/8W Chip Resistor 0805 (2012)	https://www.digikey.com/product-detail/en/yageo/RC0805FR-0749R9L/311-49-9CRDKR-ND/733878	311-49.9CRDKR-ND	1
U1	LM7810	Linear Voltage Regulator IC 1 Output 1A SOT-223-4	https://www.digikey.com/product-detail/en/texas-instruments/LM2940IMP-10-NOPB/LM2940IMP-10-NOPBDKR-ND/1847195	LM2940IMP-10/NOPBDKR-ND	1
U2, U3, U4, U5	LMH6702	Current Feedback OpAmp	https://www.digikey.com/product-detail/en/texas-instruments/LMH6702MF-NOPB/LMH6702MF-NOPBDKR-ND/1847728	LMH6702MF/NOPBDKR-ND	4
cable1	ipex-ipex cable	u.fl female to u.fl female cable 10 cm	https://www.digikey.com/en/products/detail/te-connectivity-amp-connectors/2118651-6/11205742	17-2118651-6-ND	3
cable2	ipex-sma	sma female to u.fl female cable 30 cm	https://www.digikey.com/en/products/detail/adam-tech/CA-DKCA0-305L0-AJI0-O/9831216	2057-CA-DKCA0-305L0-AJI0-O-ND	1