

BEST RF BOARD Bill of M

RF board 1

Xiaoliang Li,12/23/

Item #	QTY/one board	Manufacturer Part #	Vendor	Value
1	5	GALI-19+		GALI-19+
2	10	QCCP501Q101J1GV001	Digikey	100pF
3	2	CL10A106MA8NRNC	Digikey	10uF
4	21	C0603C104K5RACTU	Digikey	0.1uF
5	1	HFCN-3800+	Digikey	HFCN-3800+
6	1	LFCN-5000+	Digikey	LFCN-5000+
7	1	HFCN-3100+	Digikey	HFCN-3100+
8	1	LFCN-4400+	Digikey	LFCN-4400+
9	1	HFCN-2275+	Digikey	HFCN-2275+
10	1	LFCN-3400+	Digikey	LFCN-3400+
11	1	HFCN-1910+	Digikey	HFCN-1910+
12	1	LFCN-2850+	Digikey	LFCN-2850+
13	1	732512120	Digikey	SMA
14	1	FX2-120P-1.27SV(71)	Digikey	FX2-120P-1.27SV71
15	5	B82496C3120G000	Digikey	12nH
16	1	MBA-15L+	Mouser	MBA-15L+
17	2	MBA-25L+	Mouser	MBA-25L+
18	5	MCA1-85L+	Digikey	MCA1-85L+
19	20	RC0402FR-07215RL	Digikey	215 ohms
20	16	CRCW06031K00FKEA	Digikey	1k ohms
21	7	CH0402-100RGFPA	Digikey	100 ohms
22	7	CH0402-200RGFPA	Digikey	200 ohms
23	8	3214W-1-104E	Digikey	1k ohms
24	1	HMC384LP4	Digikey	HMC384LP4
25	1	HMC386LP4E	Digikey	HMC386LP4
26	1	HMC416LP4	Mouser	HMC416LP4
27	1	HMC388LP4	Digikey	HMC388LP4
28	1	HMC390LP4	Digikey	HMC390LP4
29	1	HMC391LP4	Digikey	HMC391LP4
30	2	HMC429LP4E	Digikey	HMC429LP4

aterials (BOM)

2025

Size/Footprint	Part Description	Type
Package_TO_SOT_SMD:SOT-89-3_IC	AMP CELLULAR 0HZ-7GHZ SOT89	SMD
Capacitor_SMD:C_0603_1608Met	CAP CER 500PF 50V X7R 0603	SMD
Capacitor_SMD:C_0603_1608Met	CAP CER 10UF 25V X5R 0603	SMD
Capacitor_SMD:C_0603_1608Met	CAP CER 0.1UF 50V X7R 0603	SMD
Filter:Filter_Mini-Circuits_FV1206	CER FILTER 7.125GHZ HIGH PASS	SMD
Filter:Filter_Mini-Circuits_FV1206	CER FILTER 5.58GHZ LOW PASS	SMD
Filter:Filter_Mini-Circuits_FV1206	CER FILTER 6.65GHZ HIGH PASS	SMD
Filter:Filter_Mini-Circuits_FV1206	CER FILTER 5.29GHZ LOW PASS	SMD
Filter:Filter_Mini-Circuits_FV1206	CER FILTER 4.725GHZ HIGH PASS	SMD
Filter:Filter_Mini-Circuits_FV1206	CER FILTER 3.95GHZ LOW PASS	SMD
Filter:Filter_Mini-Circuits_FV1206	CER FILTER 3.6GHZ HIGH PASS	SMD
Filter:Filter_Mini-Circuits_FV1206	CER FILTER 3.3GHZ LOW PASS	SMD
PDG Footprints:SMA_Molex_7325 NN	SMA JACK STR 50OHM EDGE MI	SMD
PDG Footprints:CON120_2X60_UT ition	Plug Connector Surface Mount	SMD
Inductor_SMD:L_0603_1608Metri	ED IND 12NH 450MA 350MOHM SM	SMD
PDG Footprints:Mixer_DZ885	MIX Double Balanced Mixer, RF/LO FI	SMD
PDG Footprints:Mixer_DZ885		SMD
PDG Footprints:Mixer_DZ885	DBM, RF/LO FREQ 2800 - 8500 MHZ	SMD
Resistor_SMD:R_1206_3216Metric	RES 215 OHM 1% 1/16W 0402	SMD
Resistor_SMD:R_0603_1608Metric	RES SMD 1K OHM 1% 1/8W 0603	SMD
Resistor_SMD:R_0402_1005Metric	RES 100 OHM 2% 1/20W 0402	SMD
Resistor_SMD:R_0402_1005Metric	RES 200 OHM 2% 1/20W 0402	SMD
Potentiometer_SMD:Potentiometer_Bourns_3214W_Ver	tical	SMD
PDG Footprints:Hittite_LP4E_The	IC AMP GPS 2.05GHZ-2.25GHZ 24QFI	SMD
PDG Footprints:Hittite_LP4E_The	IC RF AMP 2.6GHZ-2.8GHZ 24QFN	SMD
PDG Footprints:Hittite_LP4E_The	lators VCO SMT w/Buffer amp, 3.9 -	SMD
PDG Footprints:Hittite_LP4E_The	IC AMP VSAT 3.15GHZ-3.4GHZ 24QFI	SMD
PDG Footprints:Hittite_LP4E_The	IC AMP VSAT 3.55GHZ-3.9GHZ 24QFI	SMD
PDG Footprints:Hittite_LP4E_The	IC AMP VSAT 3.9GHZ-4.45GHZ 24QFI	SMD
PDG Footprints:Hittite_LP4E_The	Amp General Purpose 4.45GHz ~ 50	SMD

Number in Box

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