

RF_FET_probe

Source: F:/KiCad_407_projects/RF_FET_probe/RF_FET_probe.sch

Date: 18/10/2022 11:14:10

Tool: Eeschema 4.0.7

Component Count: 28

Ref	Value	Datasheet	Footprint
C1	0,5p	2x2mm PCB pad	TestPoint:TestPoint_Pad_2.0x2.0mm
C2	1n	50V 5% C0G SMD1206 MLCC	Capacitor_SMD:C_1206_3216Metric
C3	100n	50V 5% C0G SMD1206 MLCC	Capacitor_SMD:C_1206_3216Metric
C4	100n	50V 5% C0G SMD1206 MLCC	Capacitor_SMD:C_1206_3216Metric
C5	10uF	16V 10% tantal SMD7343 7,3x4,3mm	Capacitor_Tantalum_SMD:CP_EIA-7343-15_Kemet-W
C6	2,2p	50V +-0,25pF C0G SMD1206 MLCC	Capacitor_SMD:C_1206_3216Metric
C7	100n	50V 5% C0G SMD1206 MLCC	Capacitor_SMD:C_1206_3216Metric
C8	2,2p	50V +-0,25pF C0G SMD1206 MLCC	Capacitor_SMD:C_1206_3216Metric
C9	470n	50V 5% X7R SMD1206 MLCC	Capacitor_SMD:C_1206_3216Metric
C10	10uF	16V 10% tantal SMD7343 7,3x4,3mm	Capacitor_Tantalum_SMD:CP_EIA-7343-15_Kemet-W
C11	10uF	16V 10% tantal SMD7343 7,3x4,3mm	Capacitor_Tantalum_SMD:CP_EIA-7343-15_Kemet-W
C12	100n	50V 5% C0G SMD1206 MLCC	Capacitor_SMD:C_1206_3216Metric
J1	tip		Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Horizontal
J2	out		TestPoint:TestPoint_THTPad_D2.0mm_Drill1.0mm
J3	PWR		Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical
J4	tip GND		Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Horizontal
L1	10nH	SMD1206	Inductor_SMD:L_1206_3216Metric
L2	10uH	0,16A 1,5om DLA10-MN Ferrocore	Inductor_THT:L_Axial_L6.3mm_D2.5mm_P10.16mm_Horizontal
L3	uH	TCCH-80+	Inductor_SMD:L_1206_3216Metric
Q1	BF998		Package_TO_SOT_SMD:SOT-143
R1	4,7k	1% thick film SMD1206	Resistor_SMD:R_1206_3216Metric
R2	10M	1% thick film SMD1206	Resistor_SMD:R_1206_3216Metric
R3	6,8k	1% thick film SMD1206	Resistor_SMD:R_1206_3216Metric
R4	50	1% thick film SMD1206	Resistor_SMD:R_1206_3216Metric
R5	8,25	1% thick film SMD1806	Resistor_SMD:R_1806_4516Metric
R6	523	1% thick film SMD1806	Resistor_SMD:R_1806_4516Metric
U1	L78L05	L78L05ACZ 100mA TO-92	Package_TO_SOT_THT:TO-92_Wide
U2	MAR-6+	3,5V 16mA 0-2GHz 20dB	Package_VV_WW:VV105