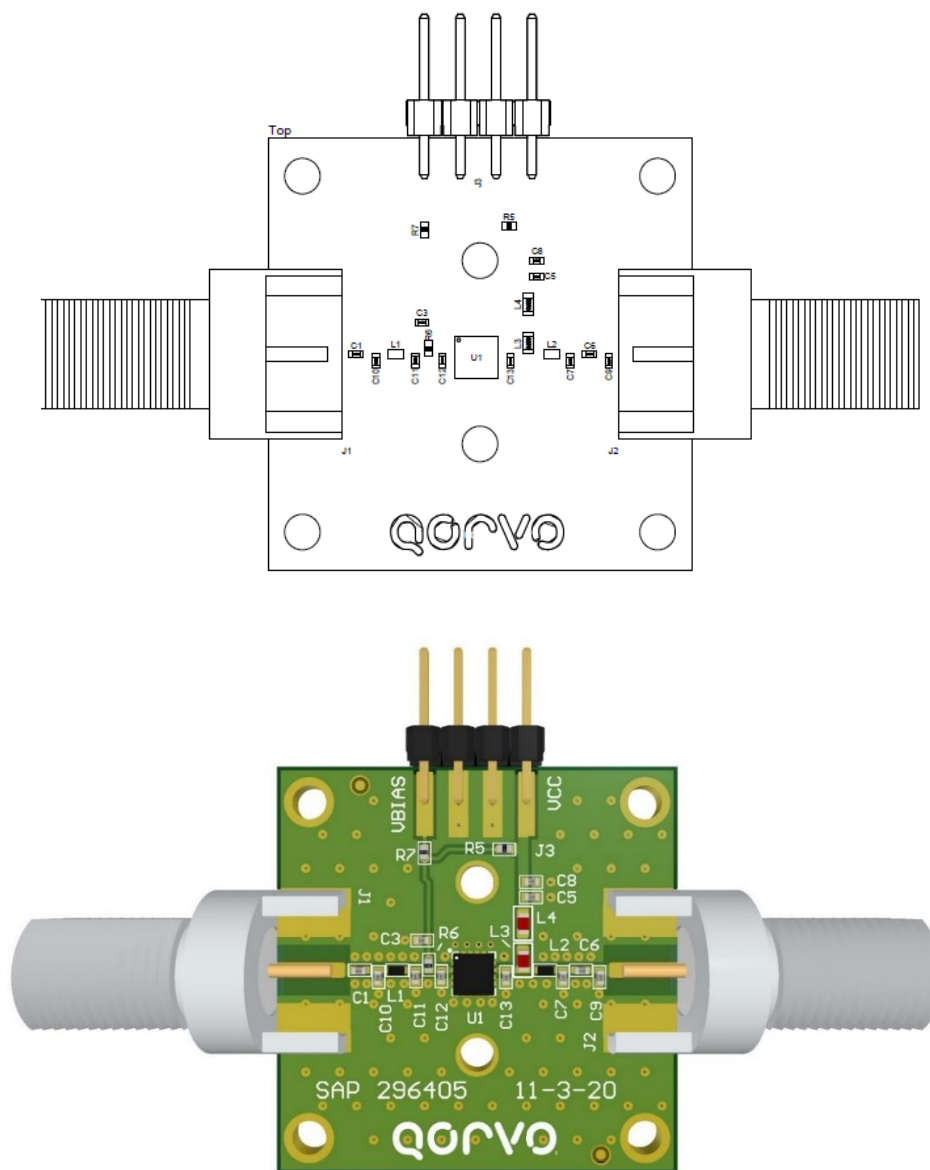


Evaluation Board Assembly Drawing

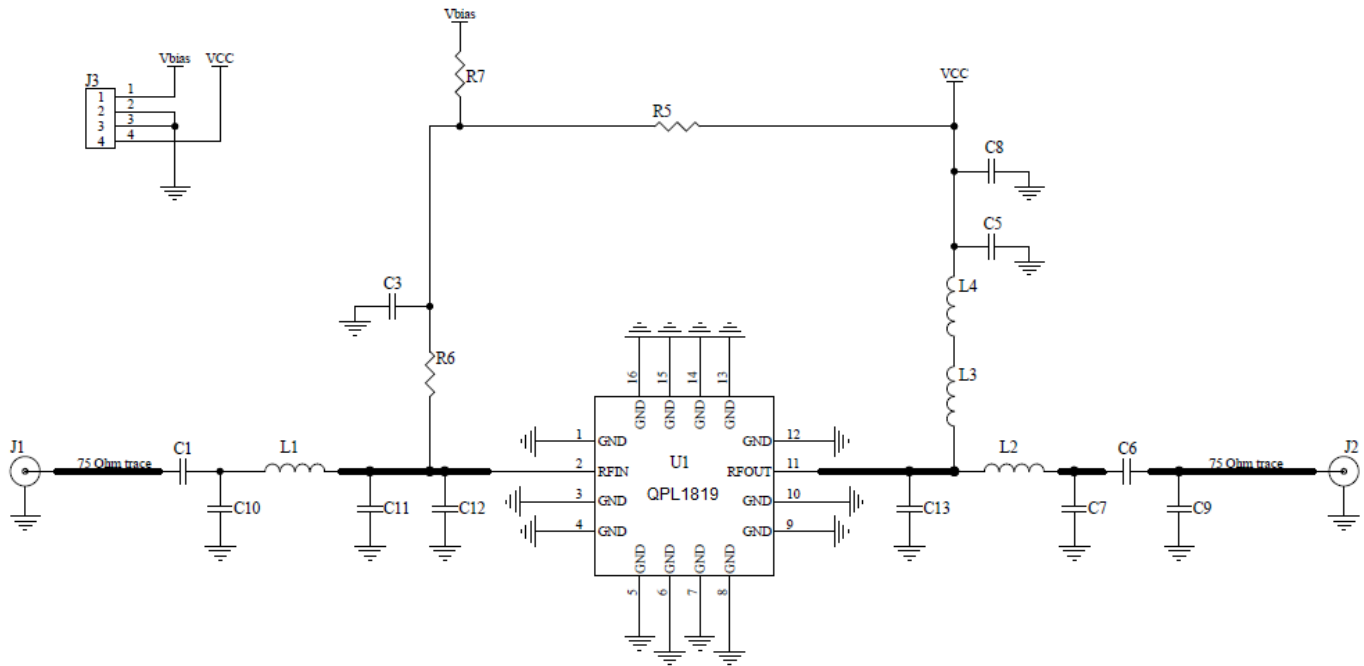


QPL1819 Evaluation Board

LAYER STACK LEGEND

Material	Layer	Thickness	Dielectric Material
	Top Overlay		
	Surface Material	0.0010in	SM-001
CF-004	Top Layer	0.0007in	
Core		0.0580in	FR-4
CF-004	Bottom Layer	0.0007in	
Total thickness: 0.0604			

Evaluation Board Schematic 50 MHz – 1800 MHz



Evaluation Board Bill of Materials

Ref Des	Description	Manufacturer	Part Number
U1	1791MHz, Low Noise, High Linearity Amp	Qorvo	QPL1819
PCB	EVB PCB, QPL1818	Qorvo	SAP 296405
C1, C6	CAP, 270 pF, 5%, 0402	Murata	GCM1555C1H271JA16D
C8	CAP, 0.01uF, 10%, 0402	Murata	GCM155R71H103KA55D
L4	RES, 0 Ω , 0603	VISHAY AMERICAS INC	MCT06030Z0000ZP500
L1, L2	IND, 4.4nH, ± 0.1 nH, W/W, HI-Q, 0402	Murata	LQW15AN4N4G80
C9	CAP, 0.5pF, ± 0.25 pF, 50V, HI-Q	Murata	GJM1555C1HR50CB01D
L3	IND, 2200nH, $\pm 20\%$, 500mA, 400MHz, 0603	Taiyo Yuden	BRL1608T2R2M
J1, J2	CONN, F FEM, 75 OHMS	Millimeter Wave	MW-846-C-DD-75
J3	CONN, HDR, ST, 4-PIN, 0.100"	Samtec	TSW-104-08-S-S
R5, R6, R7, C3, C5, C7, C10, C11, C12, C13	DNI		