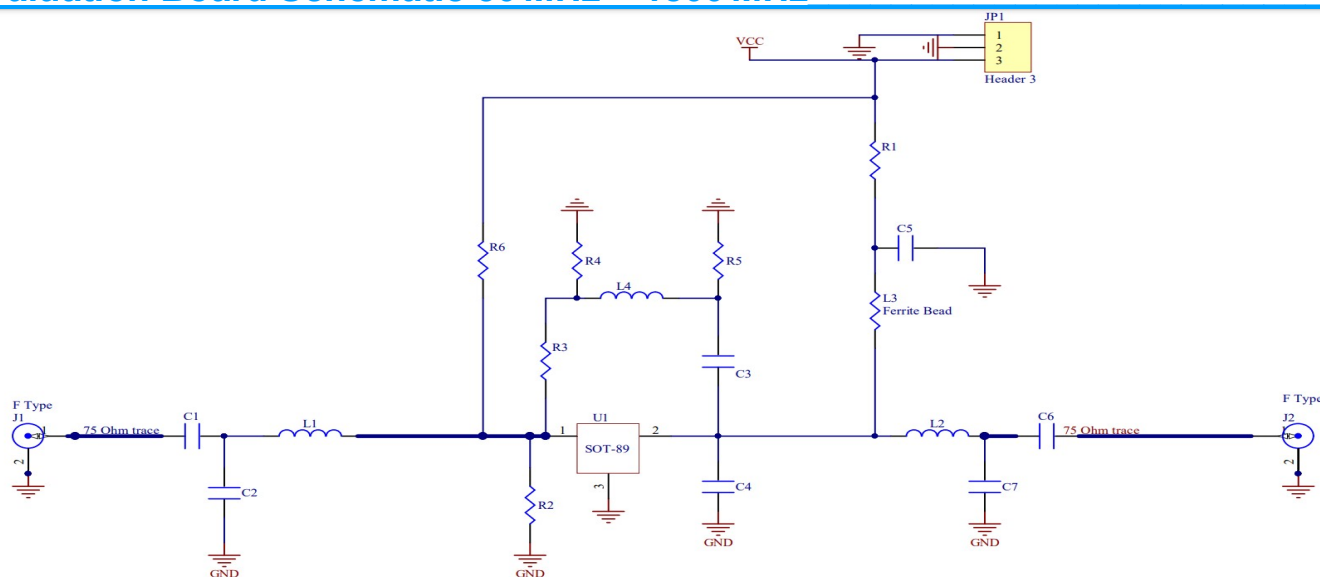
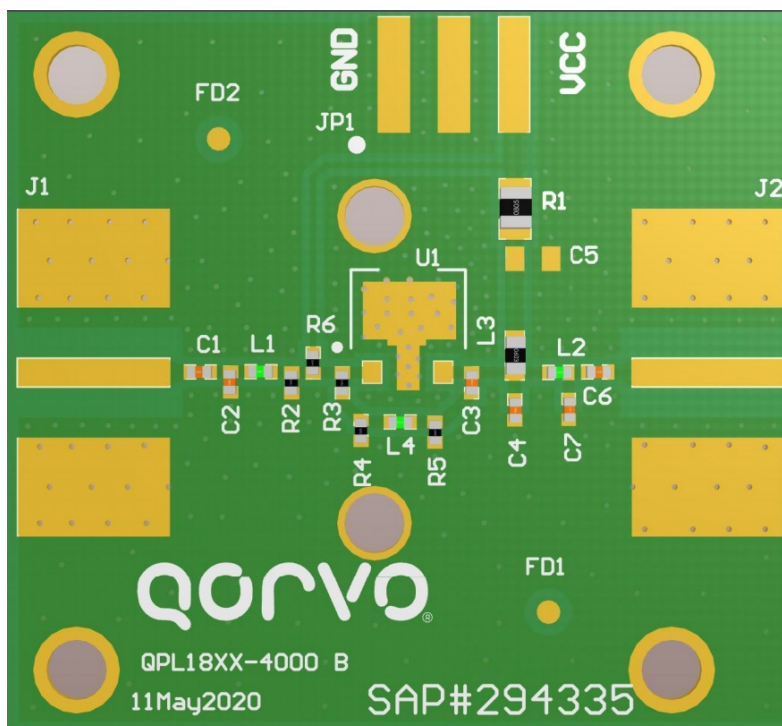


Evaluation Board Schematic 50 MHz – 1800 MHz



Evaluation Board Assembly Drawing



**QPL1816****75 Ω 10 dB CATV Amplifier 50 – 1800 MHz**Classification | **UNRESTRICTED**

Evaluation Board Bill of Materials

Ref Des.	Description	Mfg Name	Mfg Part #
U1	CATV DOCSIS 4.0 LNA, 5V, 1.8GHz, 75-ohm	Qorvo	QPL1816
C5	CAP, 1000 PF, 50V, 10%, 0603	AVX Asia Limited	06035C102KAT2A
C7	CAP, 0.5pF, +/-0.25pF, 50V, HI-Q, 0402	MURATA ELECTRONICS	GJM1555C1HR50CB01D
C1, C6	CAP, 1000pF, 5%, 50V, C0G, 0402	MURATA ELECTRONICS	GRM1555C1H102JA01D
C2	CAP, 0.3pF, +/-0.05pF, 50V, HI-Q, 0402	MURATA ELECTRONICS	GJM1555C1HR30WB01D
R1	RES, 0 OHM, 0603	Kamaya, Inc	RMC1/16JPTP
L1	IND, 3.9nH, +/-0.3nH, M/L, 0402	MURATA ELECTRONICS	LQG15HN3N9S02D
L2	IND, 4.3nH, +/-0.1nH, T/F, 0402	MURATA ELECTRONICS	LQP15MN4N3B02D
L3	FER, BEAD, 1500 OHM, 500mA, 0603	MURATA ELECTRONICS	BLM18HE152SN1D
JP1	CONN, HDR, ST, 3-PIN, 0.100"	SAMTEC INC.	TSW-103-07-G-S
J1, J2	CONN, F FEM EDGE MOUNT, 75 OHMS, 0.068"	Millimeter Wave Tech	MW-846-C-DD-75
R2, R6, R3, R4, R5, C3, C4, L4	NOT POPULATED ITEM-1		DUMMY PART