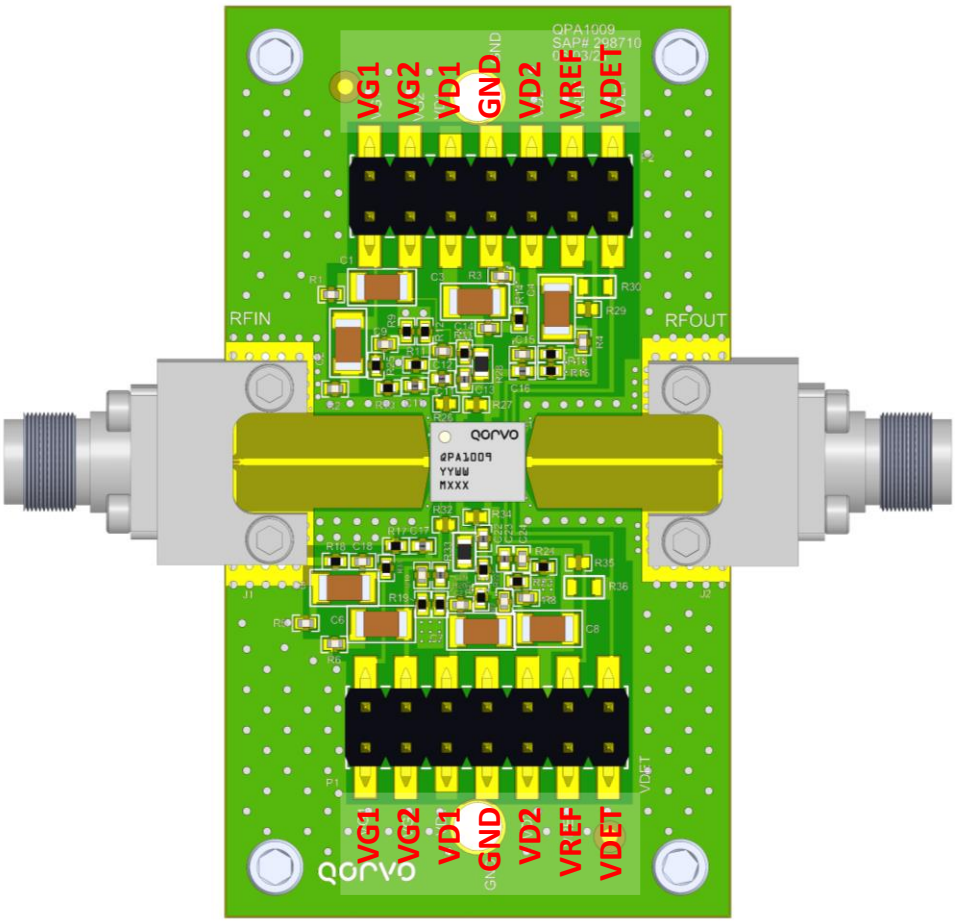
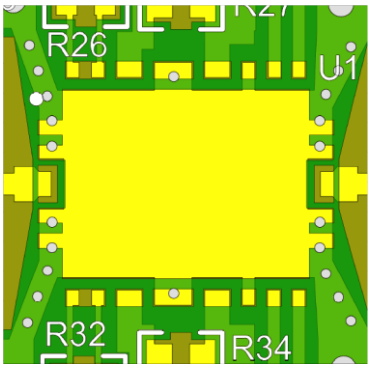
Evaluation Board (EVB) Layout Assembly



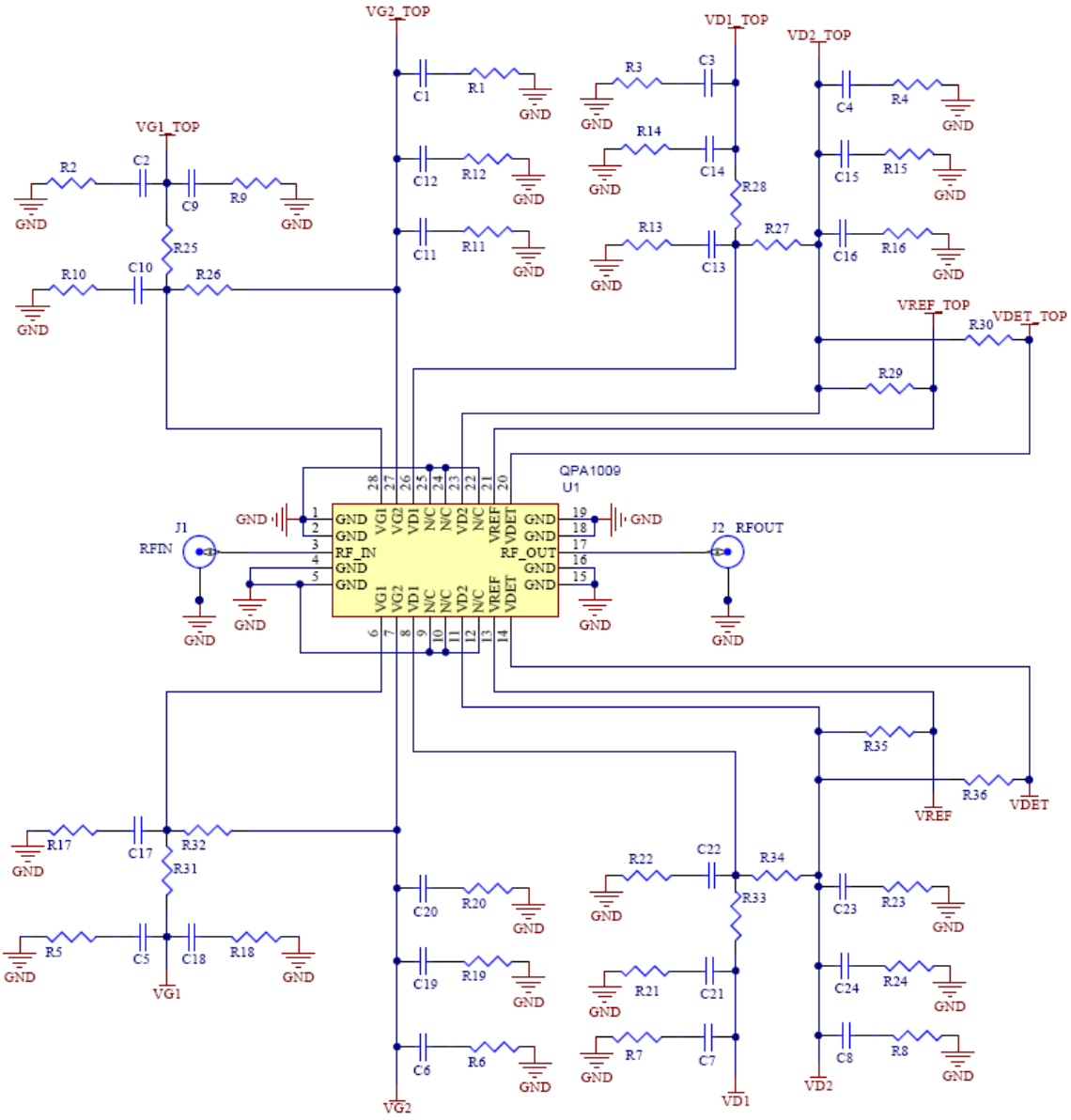


Package removed to show mounting location

Bill of Materials

Reference Des.	Value	Description	Manuf.	Part No.
C1, C2, C3, C4, C5, C6, C7, C8	10 uF	CAP, 10uF, 20%, 50V, 20%, X5R, 1206	Various	
C9, C12, C14, C15, C18, C19, C21, C24	0.01 uF	CAP, 0.01uF, 10%, 50V, X7R, 0402	Various	
C10, C11, C13, C16, C17, C20, C22, C23	1 nF	CAP, 1nF, 10%, 50V, X7R, 0402	Various	
R1, R2, R3, R4, R5, R6, R7, R8	5.1 Ω	RES, 5.1 OHM, 1%, 1/10W, 0402	Various	
R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R31	0 Ω	RES, 0 OHM, 1/10W, 0402	Various	
R28, R33	0 Ω	RES, 0 OHM, 0603	Various	
J1, J2	2.92 mm	CONN, 2.92, END, F, PIN .005, DIEL .029	Southwest Microwave	1092-01A-5

Applications Information



Bias-Up Procedure

Turn on V_G supply and set V_G = −4V, I_G limit to 20 mA
Turn on V_D supply and set V_D = 0V, I_D limit to 3750 mA
Adjust V_D to 20 V
Adjust V_G to obtain desired I_{DQ} (300 mA)

Bias-Down Procedure

Set V_G = −4 V
Set V_D = 0 V
Turn off V_D Supply
Turn off V_G Supply