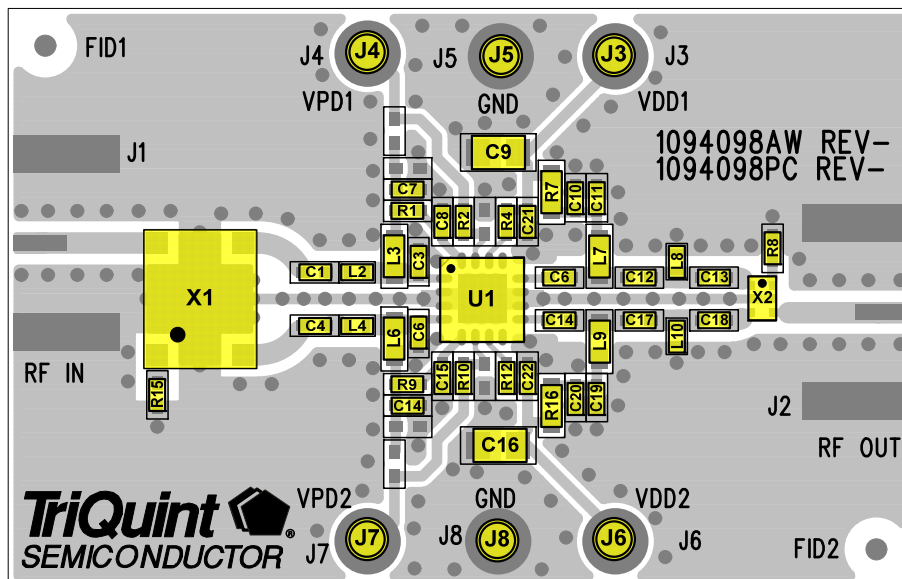


Application Circuit – TQP3M9041-PCB



See Evaluation Board PCB Information section for PCB material and stack-up.

Bill of Material – TQP3M9041-PCB

Reference Des.	Value	Description	Manuf.	Part Number
U1	n/a	Dual LNA	TriQuint	TQP3M9041
X1	n/a	Hybrid Coupler	Anaren	X3C26P1-03S
X2	n/a	Hybrid Coupler	Anaren	C2327J5003AHF
R1, R9	100 Ω	RES, 0402, +/-5%, 1/10W	Various	
R8, R15	51 Ω	RES, 0402, +/-5%, 1/10W	Various	
R4, R12	2.7K Ω	RES, 0402, +/-5%, 1/10W	Various	
R7, R16	6.8 Ω	RES, 0603, +/-5%, 1/8W	Various	
R2, R6, R10, R14, L2, L4	0 Ω	RES, 0402, +/-5%, 1/10W	Various	
C1, C4	22 pF	CAP, 0402, +/-5%, 50V	Panasonic	ECJ-0EC1H220J
C3, C6	0.3 pF	CAP, 0402, +/-0.1pF, 25V	AVX	04023J0R3ABSTR
C7, C14	4.7 pF	CAP, 0402, +/-0.25pF, 25V	Panasonic	ECD-G0E4R7C
C8, C11, C15, C19, C21, C22	100 pF	CAP, 0402, +/-5%, 50V	Panasonic	ECJ-0EC1H101J
C9, C16	0.01 μ F	CAP, 0805, +/-5%, 50V, X7R	Various	
C10, C20	1000 pF	CAP, 0402, +/-10%, 50V	Various	
C12, C13, C17, C18	1 pF	CAP, 0402, +/-0.05pF, 25V	AVX	04023J1R0ABSTR
L3, L6, L7, L9	47 nH	IND, 0603, +/-5%, 600mA	Coilcraft	0402CS-1N2XJL
L8, L10	2.2 nH	IND, 0402, +/-5%	Coilcraft	0603CS-47NXJL

Notes:

1. R2, R6, R10, and R14 may be replaced with metal trace in target applications.
2. L2 and L4, or an equivalent transmission line length, are required for impedance matching.