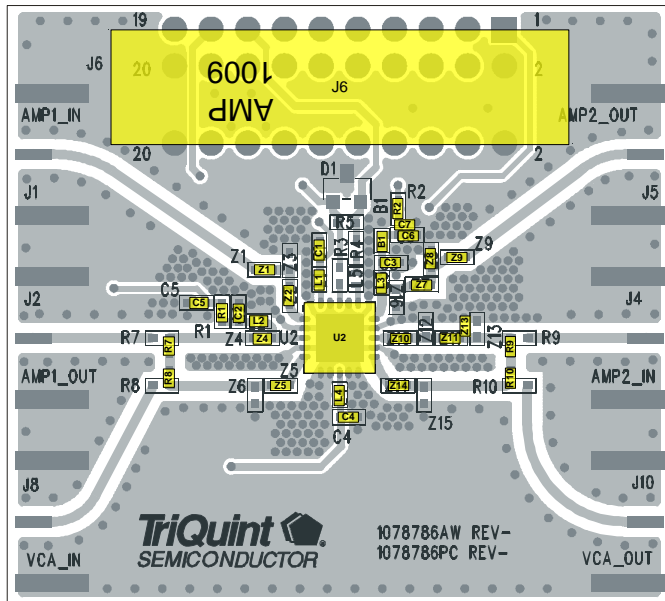


# TQM8M9074

1/2 W High Linearity Variable Gain Amplifier

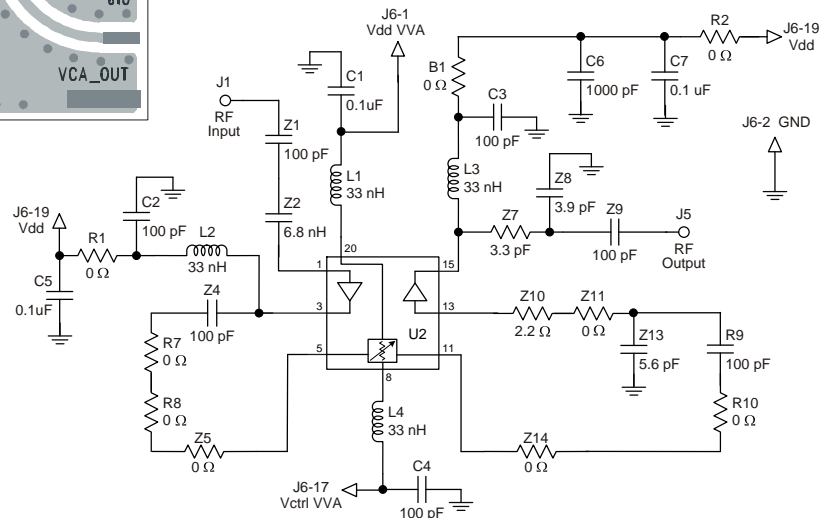


## Reference Design 920 MHz (869-960 MHz)



### Notes:

1. PC Board Layout, page 7 for more information.
2. 0 Ohm resistors may be replaced with copper traces in the target application layout.



### Bill of Material

Ref Des	Value	Description	Manufacturer	Part Number
U2	N/A	Variable Gain Amplifier	TriQuint	TQM8M9074
L1, L2, L3, L4	33 nH	Inductor, 0402	various	
B1, R1, R2, R7, R8, R10, Z5, Z11, Z14	0 Ohm	Resistor, 0402	various	
C1, C5, C7	0.1 uF	Capacitor, 0402	various	
C2, C3, C4, Z1, Z4, Z9, R9	100 pF	Capacitor, 0402	various	
C6	1000 pF	Capacitor, 0402	various	
Z2	6.8 nH	Inductor, 0402	various	
Z7	3.3 pF	Capacitor, 0603	various	
Z8	3.9 pF	Capacitor, 0402	various	
Z10	2.2 Ohm	Resistor, 0402	various	
Z13	5.6 pF	Capacitor, 0402	various	