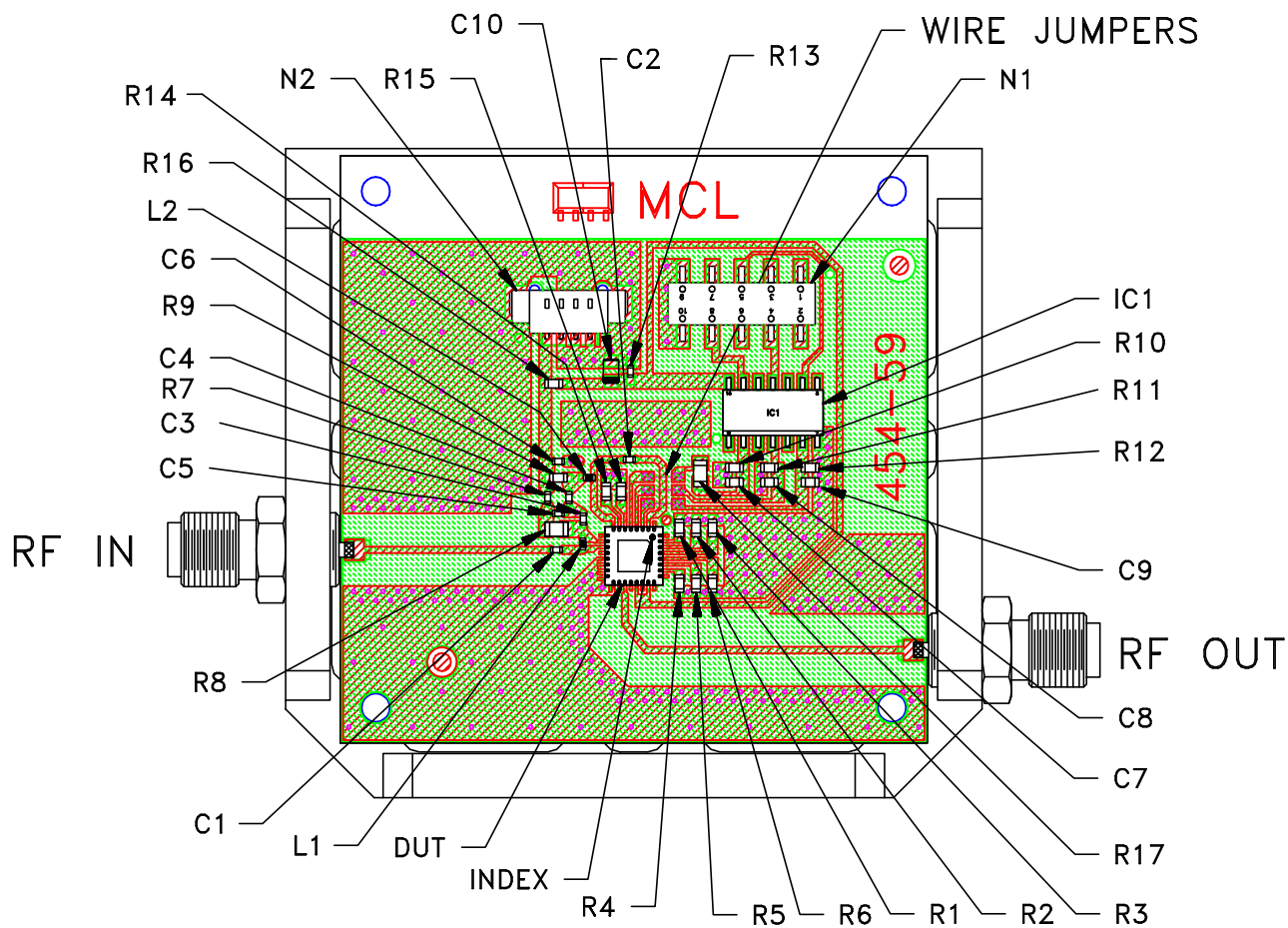


Evaluation Board and Circuit



TB-DVGA3-122+

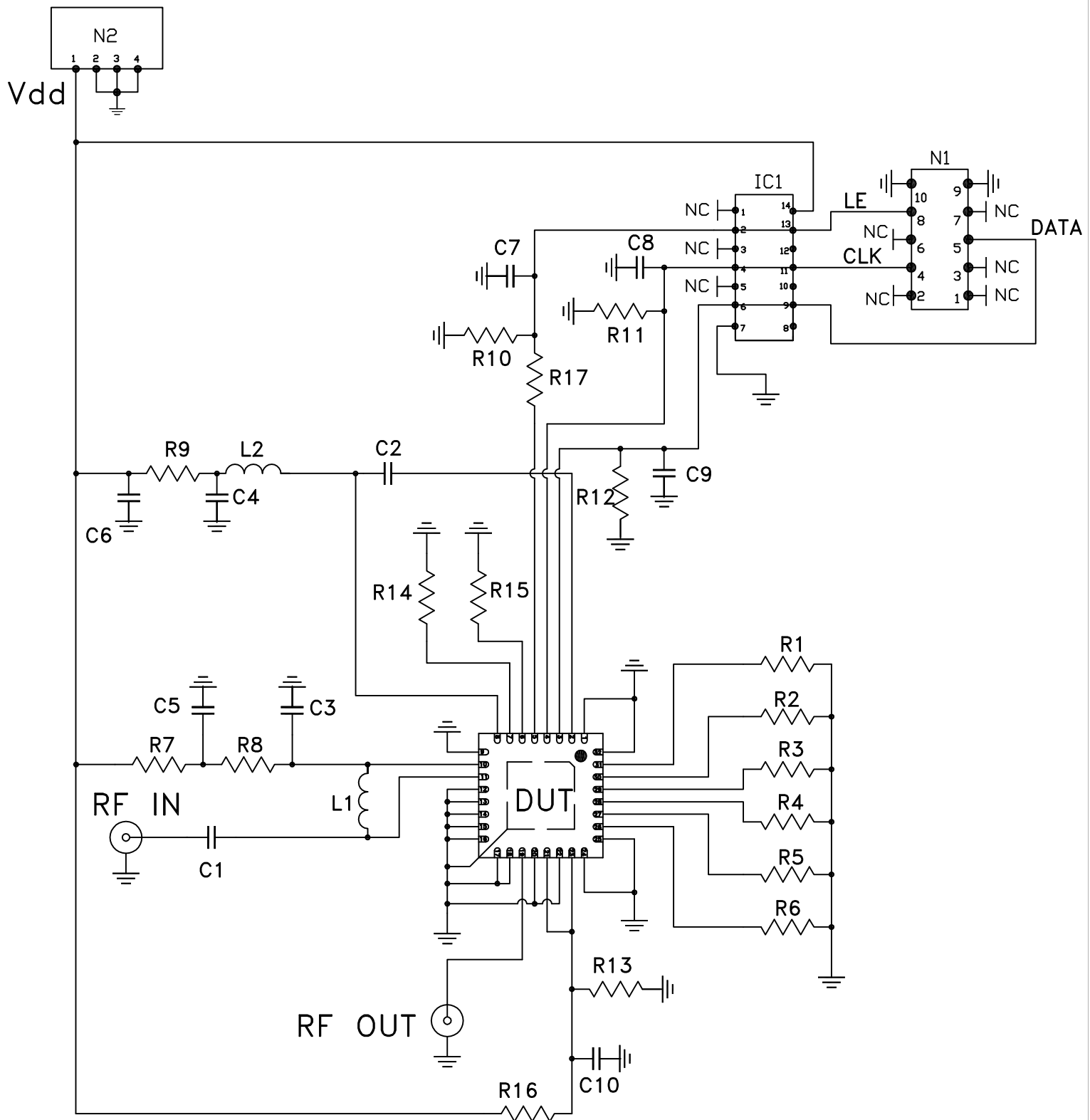
COMPONENT	DESCRIPTION/VALUE	SIZE
DUT	AMPLIFIER DVGA3-122+	5X5 MM
IC1	HEX INVERTING SCHMITT TRIGGER	—
N1	VERTICAL BREAKAWAY HEADER 10 CIRCUITS	—
N2	VERTICAL HEADER 4 CIRCUITS	—
C1,C2	CAPACITOR 0.001 μ F	0402
C3,C4	CAPACITOR 100 pF	0402
C5,C6	CAPACITOR 4.7 μ F	0603
C7,C8,C9	CAPACITOR 100 pF	0603
C10	CAPACITOR 0.47 μ F	0805
R1-R6	RESISTOR 10 K Ω m	0603
R7	RESISTOR 5.11 k Ω m	0402
R8	RESISTOR 49.9 Ω m	0805
R9	RESISTOR 0 Ω m	0603
R10,R11,R12,R14,R15	RESISTOR 10 K Ω m	0603
R17	RESISTOR 10 K Ω m	0805
R13	RESISTOR 681 Ω m	0603
R16	RESISTOR 475 Ω m	0603
L1	INDUCTOR 10 nH	0402
L2	INDUCTOR 8.2 nH	0402

Notes:

1. Test cables for connectors "N1 & N2" are included in TB-____+ package.
2. Test software "Digital Step Attenuator & DVGA" is available for download from Mini-Circuits website: http://www.minicircuits.com/support/software_download.html
3. 50 Ω m SMA Female connectors.
4. PCB Material: Rogers RO4350 or equivalent, Dielectric Constant=3.5, Thickness=.010 inch.

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SCHEMATIC DIAGRAM

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