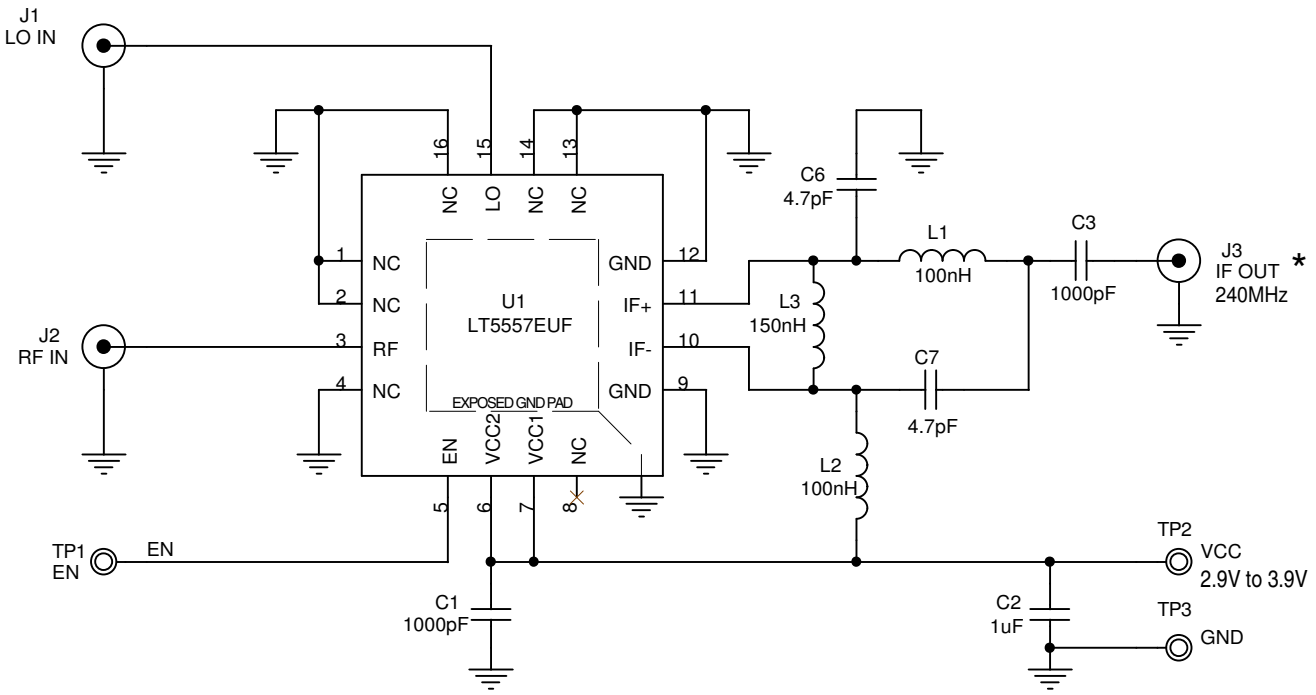

* Discrete IF Balun Component Values for Alternate IF Frequencies

IF FREQ (MHz)	L3 (nH)	L1,L2 (nH)	C6,C7 (pF)
190 ** 1, 2	270	120	6.0
360 ** 2	82	56	3.0
450	47	47	2.2

** NOTES: 1) A 3.3K 0603 chip resistor is soldered in parallel with L3 for the 190MHz application. The board layout does not include pads for this resistor.
2) For the 190MHz and 360MHz applications, C6 & C7 are Murata 0402 NP0 chip capacitors (since these values are not available from ATC).
3) L1, L2 & L3 are Toko LL1608FSL-series 0603 multi-layer chip inductors.

CUSTOMER NOTICE

LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.

THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

CONTRACT NO.

APPROVALS		DATE
DRAWN	June Wu	4/1/05
CHECKED		
APPROVED		
ENGINEER	VLAD. D.	4/1/05
DESIGNER		

Thursday, August 31, 2006

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TITLE
LT5557EUF, DOWNCOVERTING MIXER W/DISCRETE IF BALUN

SIZE	CAGE CODE	DWG NO	REV
		DC910A	A

SCALE: | FILENAME: | SHEET 1 OF 1