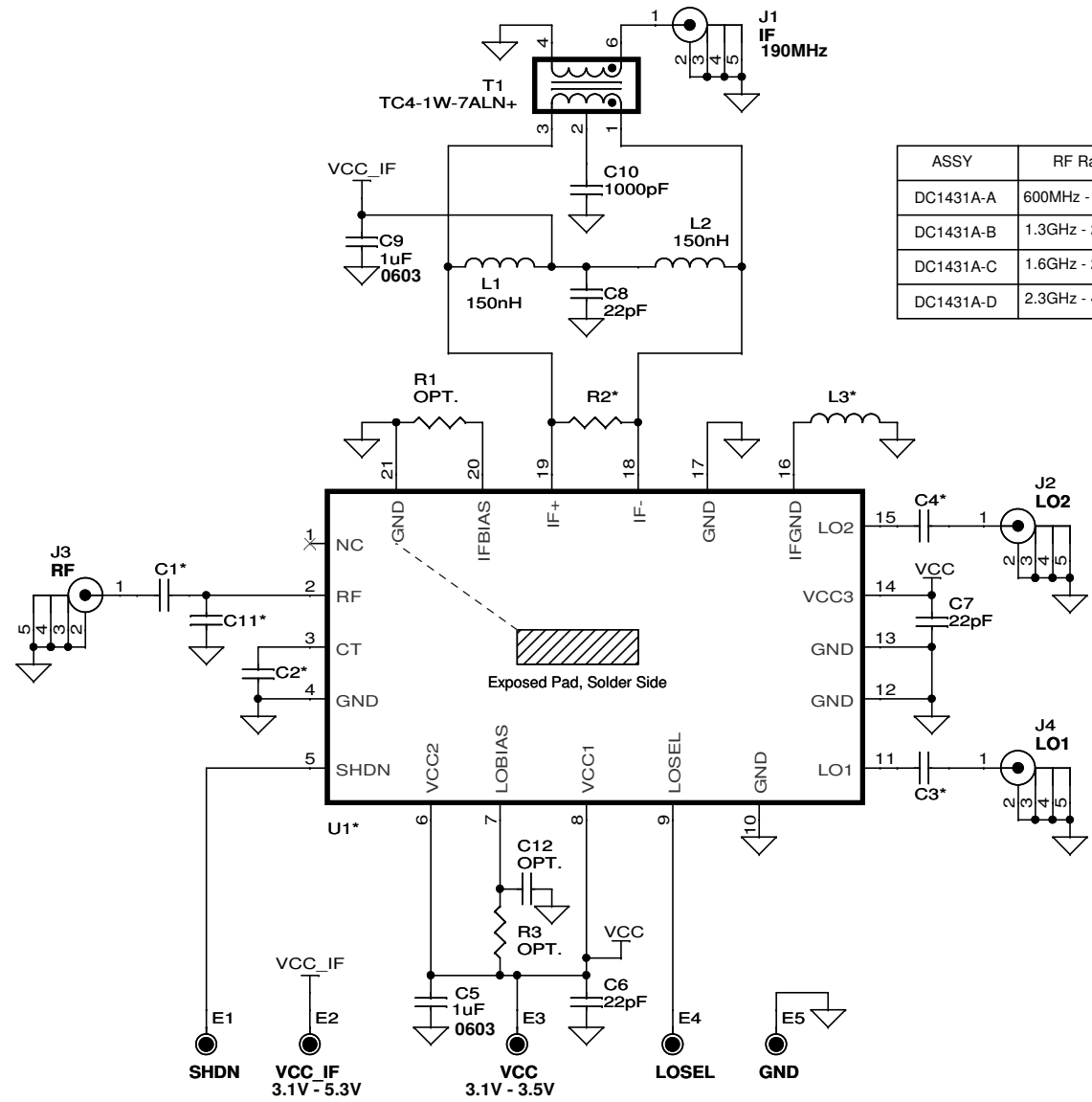


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
	1	PRODUCTION	SUNNY H.	3-01-10

ASSY	RF Range	LO Range	U1	C1	C2	C3,C4	C11	L3	R2
DC1431A-A	600MHz - 1.3GHz	700MHz - 1.2GHz	LTC5540IUH	5.6pF	1.5pF	100pF	OPEN	30nH	2.05K
DC1431A-B	1.3GHz - 2.3GHz	1.4GHz - 2.0GHz	LTC5541IUH	2.2pF	OPEN	22pF	OPEN	SHORT	OPEN
DC1431A-C	1.6GHz - 2.7GHz	1.7GHz - 2.5GHz	LTC5542IUH	22pF	OPEN	4.7pF	0.7pF	SHORT	OPEN
DC1431A-D	2.3GHz - 4.0GHz	2.4GHz - 3.6GHz	LTC5543IUH	1.2nH	OPEN	2.7pF	0.8pF	SHORT	OPEN




**NOTE: UNLESS OTHERWISE SPECIFIED**

- 1. ALL RESISTORS ARE IN OHMS, 0402.
- ALL CAPACITORS ARE IN PICOFARADS, 0402.
- ALL INDUCTORS ARE IN NANOHENRIES, 0603.

**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.			1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
APPROVALS			TITLE: SCHEMATIC	
PCB DES. KL		HIGH DYNAMIC RANGE DOWN CONVERTING MIXER		
ENG. SUNNY H.		SIZE	IC NO.	REV
		A	LTC554xIUH DEMO CIRCUIT 1431A	1
		DATE: Thursday, March 25, 2010		SHEET 1 OF 1