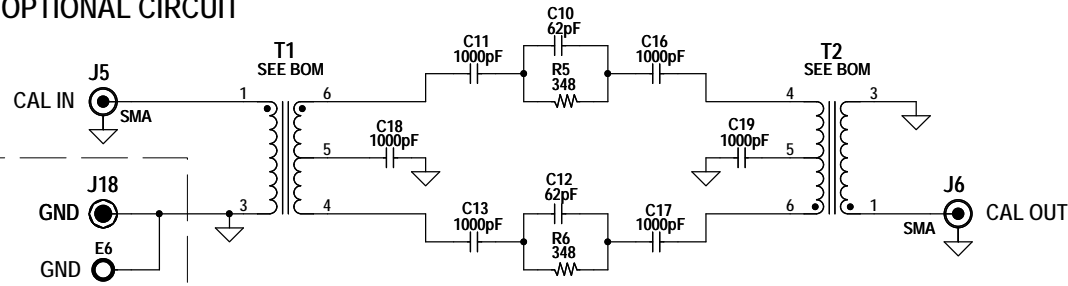
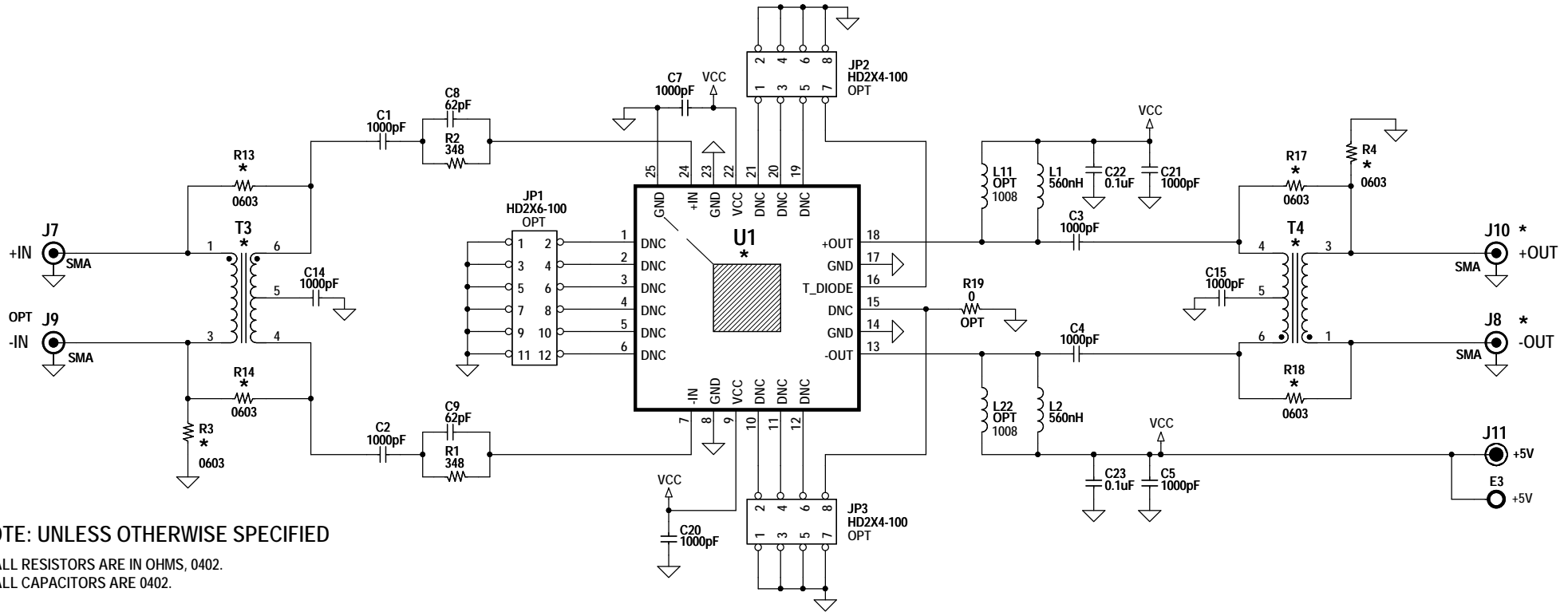


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	2	PRODUCTION	JOHN C.	08-03-12

### OPTIONAL CIRCUIT



THIS IS A UNIVERSAL PCB, DESIGNED TO ACCOMMODATE MULTIPLE VERSIONS OF THE IC. REFER TO SIMPLIFIED SCHEMATIC IN FIGURE 3 OF DC1774A DEMO MANUAL.



### NOTE: UNLESS OTHERWISE SPECIFIED

- ALL RESISTORS ARE IN OHMS, 0402.  
ALL CAPACITORS ARE 0402.
- ALL DNC PINS ON U1 ARE FOR LINEAR USE ONLY.

\*

ASSY	U1	FREQ.	T3, T4	R3, R4	R13,R14,R17,R18	J8	J10
-A	LTC6430IU-15	100-300 MHz	ADT2-1T+	0 OHM	OPT	STUFF	OPT
-B	LTC6430IU-15	400-1000 MHz	ADTL2-18	0 OHM	OPT	STUFF	OPT
-C	LTC6431IU-15	100-1200 MHz	OPT	OPT	0 OHM	OPT	STUFF

ASSY	C2,C4	C5	C9	C14,C15	C23	L2	R1
-A	1000pF, 0402	1000pF, 0603	62pF	1000pF, 0402	0.1uF	560nH	348
-B	1000pF, 0402	1000pF, 0603	62pF	OPT	0.1uF	560nH	348
-C	OPT	OPT	OPT	OPT	OPT	OPT	OPT

### 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.

### APPROVALS

PCB DES. KIM T.  
APP ENG. JOHN C.



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LTC Confidential-For Customer Use Only

TITLE: SCHEMATIC

**IF AMP/ADC DRIVER**

SIZE N/A IC NO. LTC643XIU FAMILY  
DEMO CIRCUIT 1774A

SCALE = NONE

DATE: 08/03/2012, 03:15 PM

SHEET 1 OF 1