

# Linear Technology Corporation

LTC2449CUHF

( RAIL-TO-RAIL AMPLIFIER )

Bill Of Material

Demo Bd. #742B-1

1/24/2014 5:15 PM

Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>200</b>
1	3	C2,C9,C12	CAP., CHIP X5R, 4.7uF 6.3V, 0805	TAIYO YUDEN, JMK212BJ475MG	600
2	4	C3,C7,C10,C13	CAP., CHIP X7R, 0.01uF 16V, 0603	AVX, 0603YC103KAT1A	800
3	9	C4,C6,C11,C14,C15,C16,C17	CAP., CHIP X7R, 0.1uF 16V, 0603	AVX, 0603YC104MAT1A	1800
4	1	C8	CAP., CHIP X5R, 10uF 6.3V, 0805	TDK, C2012X5R0J106M	200
5	0	C18,C19,C21,C22	CAP., 0603	OPT	0
6	1	C20	CAP., CHIP X5R, 2.7uF 10V, 0805	KEMET, C0805C275M8PACTU	200
7	2	D1,D2	DIODE, SMT SCHOTTKY BARRIER	DIODES INC. BAT54S-7-F	400
8	26	E1-E26	TP, .064"	MILL-MAX, 2308-2-00-80-00-00-07-0	5200
9	6	JP1-JP6	JMP, HD1X3, .079CC	SULLINS, NRPN031PAEN-RC	1200
10	0	JP7	JMP, HD1X2, .079CC	OPT	0
11	0	J1	CONN., SMA Coaxial, Straight Jack	OPT	0
12	1	J2	HEADERS, Vertical Dual 2X7 .079CC	MOLEX, 87831-1420	200
13	4	R1,R2,R3,R4	RES., CHIP, 0, 1/16W, 0603	VISHAY, CRCW06030000Z0ED	800
14	2	R5,R11	RES., CHIP, 10K, 5%, 0603	VISHAY, CRCW060310K0JKEA	400
15	0	R6	RES., 0603	OPT	0
16	1	R7	RES., CHIP, 100, 1%, 0603	VISHAY, CRCW0603100RFKEA	200
17	3	R8,R9,R10	RES., CHIP, 4.99K, 1%, 0603	VISHAY, CRCW06034K99FKEA	600
18	1	R12	RES., CHIP, 49.9, 1%, 0603	VISHAY, CRCW060349R9FKEA	200
19	1	U1	I.C., 8-/16-Channel Delta Sigma ADCs, QFN38UHF-3X7	LINEAR TECH., LTC2449CUHF	200
20	1	U2	I.C., 16-Bit Accurate Operational Amp., SO8	LINEAR TECH., LT1368CS8	200
21	1	U3	I.C., Non-inverting Multiplexer, SC70	FAIRCHILD, NC7SZ157P6X	200
22	1	U4	I.C., Serial EEPROM, TSSOP8	MICROCHIP, 24LC025-I/ST	200
23	1	U5	I.C., Precision Reference, SO8	LINEAR TECH., LT1236ACS8-5	200
24	1	U6	I.C., Single D Flip-Flop, US8	On Semi., NL17SZ74US	200
25	0	U7	I.C., LTC6655BHMS8-5, MSOP8	OPT	0
26	0	U8	I.C., DFN8DD-3X3	OPT	0
27	6	SHUNTS FOR JP1-JP6 (SEE ASSY DWG)	SHUNT, 0.079" Center	SAMTEC, 2SN-BK-G	1200
28	1	(FOR INVENTORY ONLY)	CABLE ASSY., 8" STRIP	LINEAR RIBBON CABLE CA-2440	200
29	2		STENCILS FOR TOP AND BOTTOM SIDES	STENCILS, 742B-1	2