

# Linear Technology Corporation

LTC1408CUH

14-BIT, 6-CHANNEL, 600KSPS SIMULTANEOUS ADC

ENG: MARK THOREN (25-30)

**BILL OF MATERIALS**

**DC887A-1**

**QTY- 175**

2/1/2006 11:09 AM

Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>175</b>
1	18	C1-C4,C6,C7,C8,C11,C13,C15,C17,C19,C21,C22,C23,C25,C26,C27	CAP, NPO 47PF 50V 10% 0402	AVX 04025A470KAT	3150
2	10	C5,C20,C35-C42	CAP, X7R 0.1UF 16V 10% 0402	TAIYO YUDEN, EMK105BJ104KVFR	1750
3	8	C9,C10,C12,C14,C16,C18,C30,C34	CAP, X5R 1.0UF 6.3V 20%, 0402	TDK, C1005X5R0J105M	1400
4	3	C24,C28,C32	CAP, X5R 10UF 6.3V 20% 0805	AVX, 08056D106MAT	525
5	2	C33,C29	CAP, X7R 0.01UF 16V 10% 0402	AVX, 0402YC103KAT	350
6	1	C31	CAP, X5R 100UF 6.3V 20% 1210	TDK, C3225X5R0J107M	175
7	2	E1,E2	TESTPOINT, TURRET, 0.064"	MILL-MAX, 2308-2	350
8	3	JP1,JP2,JP3	JMP, 2X3, 0.079"	SAMTEC, TMM-103-02-L-D	525
9	6	SHUNTS FOR JP1-JP3 PIN 1&3, PIN 2&4	SHUNT, .079" CENTER	SAMTEC, 2SN-BK-G	1050
10	1	JP4	JMP, 2X3, 0.100"	SAMTEC, TSW-103-07-L-D	175
11	2	JP5 (INSTALL 2 JUMPERS 3X3 AS SHOWN ON ASSY DWG)	JMP, 3X3, 0.100"	SAMTEC, TSW-103-07-L-T	350
12	6	SHUNTS FOR JP5 (REFER TO QSG. DO NOT STUFF)	SHUNT, .100" CENTER	SAMTEC, SNT-BK-G	1050
13	1	J1	HEADER, 2X20PIN, 0.100CC	SAMTEC, TSW-120-07-L-D	175
14	0	J2	CON., SMA 50-OHM EDGE-LANCH		0
15	1	J3	CONN, SMA, 5 PINS GOLD,CON-SMA	AMPHENOL CONNEX, 132357	175
16	2	RN1,RN2	RES ARRAY, 33 OHM, 5%, 0402	VISHAY, CRA04S0803330JRT7	350
17	13	R1,R3,R4,R6,R8,R10,R11,R13,R17,R21,R25,R28,R32	RES, 49.9 OHMS 1% 1/16W, 0402	AAC CR05-49R9FM	2275
18	0	R2,R5,R9,R12,R19,R27	RES, 0603	OPT	0
19	3	R7,R34,R35	RES, 33 OHMS 5% 1/16W, 0402	AAC CR05-330JM	525
20	8	R14,R15,R20,R23,R24,R26,R29,R30	RES, 499 OHMS 1% 1/16W, 0402	AAC CR05-4990FM	1400
21	5	R16,R18,R33,R44,R45	RES, 1K OHMS 1% 1/16W, 0402	AAC CR05-1001FM	875
22	1	R22	RES, 1.0 OHMS 5% 1/16W, 0402	AAC CR05-1R0JM	175
23	2	R31,R43	RES, 10 OHMS 5% 1/16W, 0402	AAC CR05-100JM	350
24	1	R36	RES, 10K OHMS 1% 1/16W, 0402	AAC CR05-1002FM	175
25	2	R38,R37	RES, 4.7K OHMS 1% 1/16W, 0402	AAC CR05-4701FM	350
26	1	R39	RES, 100K OHMS 1% 1/16W, 0402	AAC CR05-1003FM	175
27	3	R40,R41,R42	RES, 4.99K OHMS 1% 1/16W, 0402	AAC CR05-4991FM	525
28	1	U1	IC, LTC1408CUH, QFN32UH-5X5	LINEAR TECH., LTC1408CUH	175
29	1	U2	IC, LT1761ES5-2.5, SOT23-5	LINEAR TECH., LT1761ES5-2.5	175
30	1	U3	IC, LT1761ES5-3.3, SOT23-5	LINEAR TECH., LT1761ES5-3.3	175
31	1	U4	IC, 74LCX245BQX, DQFN20	FAIRCHILD, 74LCX245BQX	175
32	0	U5	IC, UHS SINGLE SPST BUS SWITCH, SC70-5	OPT	0
33	1	U6	IC, LTC6905CS5, SOT23-5	LINEAR TECH., LTC6905CS5	175
34	2	U10,U7	IC, ULP-A UNBUFFERED INVERTER, SC70-5	FAIRCHILD, NC7SVU04P5X	350
35	1	U8	IC, 24LC025,TSSOP-8	MICROCHIP, 24LC025-I /ST	175

# Linear Technology Corporation

LTC1408CUH

14-BIT, 6-CHANNEL, 600KSPS SIMULTANEOUS ADC

ENG: MARK THOREN (25-30)

**BILL OF MATERIALS**

**DC887A-1**

**QTY- 175**

2/1/2006 11:09 AM

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacture / Part #</i>	<i>Kit Qty</i>
				<b>NUMBER OF BOARDS =</b>	<b>175</b>
36	1	U9	IC, SINGLE D FLIP FLOP, US8	ON SEMI., NL17SZ74	175
37	4	STAND-OFFS ON BOTTOM SIDE	STAND-OFF, NYLON (SNAP ON), 0.25" TALL	KEYSTONE, 8831(SNAP ON)	700
38	1	STENCIL	STENCIL FOR TOP SIDE ONLY	DC887A	1
		<b>NOTES: UNLESS OTHERWISE SPECIFIED</b>			
		1. SEE ASSY DWG FOR JP5 JUMPERS LOCATIONS.			
		2. SHUNTS ON JP5 ARE FOR TESTING PURPOSE ONLY. DO NOT INSTALL ON THE FINAL ASSY PROCESS.			
		REFER TO QSG FOR JP5 CONFIGURATION.			