

# Linear Technology Corporation

LTC3610EWP

HIGH INPUT VOLTAGE AND HIGH CURRENT DENSITY STEP-DOWN CONVERTER

ENG: MANJING XIE (23-30)

**BILL OF MATERIALS**

**DC1129A-1**

**QTY-225**

8/9/2007 3:59 PM

Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>225</b>
1	2	CIN1,CIN2	CAP., X5R, 10UF 35V, 1206	TAIYO YUDEN, GDK316BJ106ML	450
2	1	CIN3	CAP., ELECTROLYTIC, 150UF 35V	SANYO, 35ME150WXV+TS	225
3	0	CIN4,CIN5	CAP., 1210	OPT	0
4	0	CIN6,CIN7	CAP., 1206	OPT	0
5	2	CO1,CO2	CAP., X5R, 100UF 6.3V 20%, 1812	TDK, C4532X5R0J107MT	450
6	0	CO3,CO4	CAP., 7343	OPT	0
7	2	CO5,CO6	CAP., X5R, 22UF 6.3V 20%, 0805	TDK, C2012X5R0J226M	450
8	1	CSS	CAP., X7R, 0.1UF 25V 20%, 0603	TDK, C1608X7R1E104M	225
9	1	C1	CAP., X7R, 0.22UF 16V 20%, 0603	TDK, C1608X7R1C224M	225
10	1	C2	CAP., X7R, 0.01UF 25V 20%, 0603	TDK, C1608X7R1E103M	225
11	1	C3	CAP., NPO, 100PF 50V, 0603	AVX, 06035A101KAT2A	225
12	1	C4	CAP., NPO, 1000PF 50V, 0603	AVX, 06035A102KAT2A	225
13	1	C5	CAP., NPO, 47PF 50V 10%, 0603	AVX, 06035A470KAT2A	225
14	0	C6,C7	CAP., 0603	OPT	0
15	1	C8	CAP., X5R, 4.7UF 16V, 0805	TDK, C2012X5R1C475M	225
16	1	C9	CAP., X5R, 1UF 35V 20%, 0603	TAIYO YUDEN, GMK107BJ105MA-T	225
17	1	C10	CAP., X5R, 4.7UF 6.3V 10%, 0603	AVX, 06036D475KAT	225
18	1	D1	DIODE,SCHOTTKY, SOD323	CENTRAL SEMI., CMDSH-3	225
19	8	E1,E2,E3,E4,E5,E6,E7,E8	TESTPOINT, TURRET, 0.064"	MILL-MAX, 2308-2	1800
20	2	JP1,JP6	JMP, 3PIN 1 ROW .079CC	SAMTEC, TMM-103-02-L-S	450
21	4	JP2,JP3,JP4,JP5	JMP, 2PIN 1 ROW .079CC	SAMTEC, TMM-102-02-L-S	900
22	3	SHUNTS ON JP1&JP6 PINS 1&2, AND JP3	SHUNT, .079" CENTER	SAMTEC, 2SN-BK-G	675
23	4	J1,J2,J3,J4	JACK, BANANA,KEY-575	KEYSTONE, 575-4	900
24	2	J5,J6	CONN, BNC, 50 OHMS	CONNEX, 112404	450
25	1	L1	IND, 0.47UH, L-TOKO-FDV0630	TOKO, FDV0630-R47M=P3	225
	0	L1	IND, 0.36UH, L-TOKO-FDH1040 OPT	TOKO, FDH1040B-R36M=P3	0
26	1	Q1	XTER, N-CH, 30V, DPAK-TO252AA	VISHAY, SUD50N03-10CP	225
27	0	R1,R2	RES., 0603	OPT	0
28	1	R3	RES., Chip 11K 1/16W 5%,0603	AAC, CR16-113JM	225
29	1	R4	RES., Chip 100K 1/16W 5%,0603	AAC, CR16-104JM	225
30	1	R5	RES., Chip 0.005 1W 1%,2512	PANASONIC, ERJM1WSF5M0U	225
31	1	R6	RES., Chip 7.5K 1/16W 5%,0603	AAC, CR16-752JM	225
32	2	R7,R9	RES., Chip 60.4K 1/16W 1%,0603	AAC, CR16-6042FM	450
33	1	R8	RES., Chip 137K 1/16W 1%,0603	AAC, CR16-1373FM	225

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				<b>NUMBER OF BOARDS =</b>	<b>225</b>
34	1	R10	RES., Chip 40.2K 1/16W 1%,0603	AAC, CR16-4022FM	225
35	1	R11	RES., Chip 30.1K 1/16W 1%,0603	AAC, CR16-3012FM	225
36	1	R12	RES., Chip 19.1K 1/16W 1%,0603	AAC, CR16-1912FM	225
37	1	R13	RES., Chip 1 1/16W 5%,0603	AAC, CR16-1R0JM	225
38	1	R14	RES., Chip 2 1/16W 5%,0603	AAC, CR16-2R0JM	225
39	1	R16	RES., Chip 10K 1/16W 5%,0603	AAC, CR16-103JM	225
40	1	U1	I.C., LTC3610EWP, QFN64WP-6PADS	LINEAR TECH., LTC3610EWP	225
41	4	MTG 4 CORNERS	STAND-OFF, NYLON (SNAP ON), 0.50" TALL	KEYSTONE, 8833	900
42	2		STENCIL FOR BOTH SIDES	DC1129A	2