

# Linear Technology Corporation

LT3430EFE-1

2A 100kHz HIGH VOLTAGE BUCK CONVERTER

ENG: KEITH S.

**BILL OF MATERIALS**

**DC1200A**

**QTY-325**

2/8/2007

3:45 PM

Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>325</b>
1	1	C1	CAP, NP0, 220pF 25V 10%	AVX, 06033A221KAT1A	325
2	1	C2	CAP, X7R 0.022uF 16V 10%	AVX, 0603YC223KAT1A	325
3	1	C3	CAP, X7R 4.7uF 100V, 20%, 2220	TDK, C5750X7R2A475M	325
4	1	C4	CAP, X5R 1.5uF 10V 10%, 0805	AVX, 0805ZD155KAT1A	325
5	2	C5,C10	CAP, TANT. 100uF 6.3V 20%, 6032	AVX, TPSC107M006R0150	650
6	0	C6	CAP, 0805	OPT	0
7	0	C7	CAP, C SIZE, 6032	OPT	0
8	0	C8,C9	CAP, 0603	OPT	0
9	1	D1	DIODE SCHOTTKY,3A, 60V,SMA-DIODE	IR, 30BQ060	325
10	1	D2	DIODE, 200mA, 100V, SOD123	ON SEMI., MMSD914T1	325
11	0	D3	DIODE, 200mA, 100V, SOD123	OPT	0
12	0	D4	DIODE ZENER, SMA-DIODE	OPT	0
13	7	E1-E7	TP, TURRET, .094"	MILL-MAX, 2501-2-00-80-00-00-07-0	2275
14	1	L1	IND, SMT, 68uH, L-COIL-UP4B	COILTRONICS, UP4B-680	325
15	0	Q1	TRANS, MMBT2222A, SOT23	OPT	0
16	1	R1	RES, 3.3k 5%, 0603	AAC, CR16-332JM	325
17	0	R4,R5,R6	RES, 0603	OPT	0
18	1	R2	RES, 20.5k 1%, 0603	AAC, CR16-2052FM	325
19	1	R3	RES, 12.1k 1%, 0603	AAC, CR16-1212FM	325
20	1	U1	IC, LT3430EFE-1, TSSOPFE16	LINEAR TECH., LT3430EFE-1	325
21	4		STAND-OFF, NYLON 0.25" tall	KEYSTONE, 8831 (SNAP ON)	1300
22	1		STENCIL FOR TOP SIDE ONLY 20X20	DC1200A	1