

# Linear Technology Corporation

## LT3508EFE/EUF

DUAL MONOLITHIC 1.4A STEP-DOWN SWITCHING REGULATOR --- ENG: KEITH S. (27-30)

**BILL OF MATERIALS**

**DC1060A-1**

**QTY- 425**

Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>425</b>
1	1	C1	CAP., X5S, 10uF 50V, 20%, 1210	TAIYO YUDEN, UMK325BJ106MM-T	425
2	2	C2,C16	CAP., X7R, 10uF 6.3V 20%, 0805	AVX, 08056C106MAT2A	850
3	2	C3,C4	CAP., X5R 0.22uF 16V, 10%, 0402	TDK, C1005X5R1C224K	850
4	1	C5	CAP., X7R, 10uF 10V, 20%, 1206	TDK, C3216X7R1A106M	425
5	4	C6,C7,C14,C15	CAP., X7R, 1000pF 50V 20%, 0402	AVX, 04025C102MAT2A	1700
6	1	C8	CAP., X7R, 1500pF 50V 20%, 0402	AVX, 04025C152MAT2A	425
7	1	C9	CAP., NP0, 330pF 50V 20%, 0402	AVX, 04025A331MAT2A	425
8	1	C10	CAP., X7R, 4.7uF 25V 10%, 1206	TDK, C3216X7R1E475M	425
9	1	C11	CAP., X5R, 22uF 6.3V 20%, 0805	AVX, 08056D226MAT2A	425
10	2	C12,C13	CAP., X7R, 0.1uF 16V, 10%, 0402	TDK, C1005X7R1C104K	850
11	1	C17	CAP., X7R, 1200pF 50V 20%, 0402	AVX, 04025C122MAT2A	425
12	1	C18	CAP., X7R, 680pF 50V 20%, 0402	AVX, 04025C681MAT2A	425
13	0	C19,C20,CFF	CAP., 0402	OPT	0
14	4	D1,D2,D6,D7	DIODE, SWITCHING, SOD123	DIODES INC., 1N4448W	1700
15	2	D3,D4	DIODE, SCHOTTKY, 2.0A, SMA-DIODE	DIODES INC., B240A	850
16	2	D8,D9	DIODE, SCHOTTKY, 1.0A, POWERDI123	DIODES INC., DFLS130	850
17	23	E1-E23	TP, TURRET, 0.094"	MILL-MAX, 2501-2-00-80-00-00-07-0	9775
18	1	L1	IND, PWR, 6.2uH	SUMIDA, CDRH5D28-6R2NC	425
19	1	L2	IND, PWR, 10uH	SUMIDA, CDRH6D28-100NC	425
20	1	L3	IND, PWR, 3.0uH	SUMIDA, CDRH3D18NP-3R0NC	425
21	1	L4	IND, PWR, 4.7uH	SUMIDA, CDRH4D18C-4R7NC	425
22	2	R1,R12	RES, 51k OHM 5% 1/16W, 0402	AAC, CR05-513JM	850
23	1	R2	RES, 52.3k OHM 1% 1/16W, 0402	AAC, CR05-5232FM	425
24	2	R17,R3	RES, 35.7k OHM 1% 1/16W, 0402	AAC, CR05-3572FM	850
25	1	R4	RES, 20k OHM 5% 1/16W, 0402	AAC, CR05-203JM	425
26	1	R5	RES, 43k OHM 5% 1/16W, 0402	PANASONIC, ERJ-2GEJ433X	425
27	1	R6	RES, 56.2k OHM 1% 1/16W, 0402	ACC, CR05-5622FM	425
28	2	R19,R7	RES, 11.5k OHM 1% 1/16W, 0402	PANASONIC, ERJ-2RKF1152X	850
29	1	R8	RES, 10.7k OHM 1% 1/16W, 0402	ACC, CR05-1072FM	425
30	3	R9,R10,R21	RES, 100k OHM 1% 1/16W, 0402	PANASONIC, ERJ-2RKF1003X	1275
31	1	R13	RES, 16.9k OHM 1% 1/16W, 0402	ACC, CR05-1692FM	425
32	1	R14	RES, 12.4k OHM 1% 1/16W, 0402	PANASONIC, ERJ-2RKF1242X	425
33	1	R15	RES, 9.1k OHM 5% 1/16W, 0402	PANASONIC, ERJ-2GEJ912X	425
34	1	R16	RES, 11k OHM 5% 1/16W, 0402	AAC, CR05-113JM	425
35	1	R18	RES, 10k OHM 5% 1/16W, 0402	AAC, CR05-103JM	425
36	1	U1	IC., LT3508EFE, TSSOP16FE-BC	LINEAR TECH., LT3508EFE	425
37	1	U2	IC., LT3508EUF, QFN24UF-4X4	LINEAR TECH., LT3508EUF	425
38	1		STENCIL TOP SIDE, 20X20	DC1060A	1