

Linear Technology Corporation

LT1766EFE

1.5A, 200kHz HIGH VOLTAGE BUCK CONVERTER

ENG: KEITH SZOLUSHA

BILL OF MATERIALS

DC326C-1

6/16/2005

12:43 PM

Item	Qty	Reference	Part Description	Manufacture / Part #
1	1	C1	CAP, NPO 220pF 25V 10%	AVX, 06033A221KAT1A
2	1	C2	CAP, X7R 0.022uF 16V 10%	AVX, 0603YC223KAT1A
3	1	C3	CAP, X7R 2.2uF 100V, 80%, 1812	TDK, C4532X7R2A225K
4	1	C4	CAP, X5R 0.33uF 10V 10%	AVX, 0603ZD334KAT1A
5	1	C5	CAP, TANT. 100uF 10V 20%, 7343	AVX, TPSD107M010R0100
6	0	C6	CAP, Y5V 0.47uF 25V, 80%	OPT
7	0	C7	CAP, C SIZE, 6032	OPT
8	0	C8,C9	CAP, 0603	OPT
9	1	D1	DIODE SCHOTTKY,1.5A, 60V,SMA-DIODE	IR, 10MQ060N
10	1	D2	DIODE, 200mA, 100V, SOD123	DIODES INC., 1N4148W
11	0	D3	DIODE, 200mA, 100V, SOD123	DIODES INC., 1N4448W (OPT)
12	0	D4	DIODE ZENER, SOD123	CENTRAL SEMI., CMHZ5236B (OPT)
13	6	E1-E6	TP, TURRET, .094"	MILL-MAX, 2501-2
14	1	L1	IND, SMT, 47uH, L-CDRH104R	SUMIDA, CDRH104R-470NC
15	0	Q1	TRANS, MMBT2222A, SOT23	DIODES INC., MMBT2222A-7 (OPT)
16	1	R1	RES, 3.3k 5%, 0603	AAC, CR16-332JM
17	1	R2	RES, 15.4k 1%, 0603	AAC, CR16-1542FM
18	1	R3	RES, 4.99k 1%, 0603	AAC, CR16-4991FM
19	0	R4,R5,R6	RES, 0603	OPT
20	1	U1	IC, LT1766EFE, TSSOPFE16	LINEAR TECH., LT1766EFE
21	4	MTG HOLES AT 4 CORNERS	STANDOFF, NYLON HEX #4-40 x 1/4"	MICRO PLASTICS, #14HTSP101
22	4		SCREW, #4-40 x 1/4	ANY
		NOTES: UNLESS OTHERWISE SPECIFIED		
		1. ALL RESISTORS ARE IN OHMS.		
		2. INSTALL 4 STANDOFFS AT 4 CORNERS OF BOARD AND ON THE BOTTOM SIDE.		