

# Linear Technology Corporation

LT3748EMS

ENG: ZHONGMING Y. (27-30)

**BILL OF MATERIALS**

**DC1557A-2**

**QTY-275**

8/10/2010 2:00 PM

Item	Qty	Reference	Part Description	Manufacture / Part # NUMBER OF BOARDS =	Kit Qty 600
1	1	C1	CAP., ELECTROLYTIC, 10uF 100V, 6.3X8	NIC, NACEW100M100V6.3X8TR13F	600
2	1	C2	CAP., X7R, 2.2uF 100V, 1210	TDK, C3225X7R2A225M	600
3	1	C3	CAP., X5R, 47uF 16V, 2220	TDK, C5750X5R1C476M	600
4	0	C4	CAP., X7R, 0.01uF 50V, 0603 OPT	TDK, C1608X7R1H103K	0
5	0	C5	CAP., X7R, 4.7uF 100V, 1210 OPT	TDK, C4532X7S2A475M	0
6	0	C6	CAP., 22uF 100V	OPT	0
7	1	C7	CAP., X7R, 0.1uF 16V, 0402	TDK, C1005X7R1C104K	600
8	1	C8	CAP., C0G, 470pF 50V, 0402	TDK, C1005C0G1H471M	600
9	1	C10	CAP., X7R, 0.1uF 100V, 0805	TDK, C2012X7R2A104K	600
10	1	C11	CAP., X7R, 6800pF 25V, 0402	TDK, C1005X7R1E682K	600
11	1	C12	CAP., X7S, 1uF 100V, 0805	TDK, C2012X7S2A105K	600
12	0	C14	CAP., 0.033uF, 2220	OPT	0
13	0	C15	CAP., NPO, 47pF 50V, 0402	OPT	0
14	1	C16	CAP., X5R, 4.7uF 25V, 0805	TDK, C2012X5R1E475K	600
15	1	D1	DIODE, SCHOTTKY BARRIER RECTIFIER 2.1A,SMA-DIODE	VISHAY, VS-10MQ100NTRPbF	600
16	1	D2	DIODE, SCHOTTKY MINI, SOD323	DIODES/ZETEX., BAV20WS-7-F	600
17	1	D3	DIODE, 70V SCHOTTKY, SOD323	DIODES/ZETEX., 1N5711WS-7-F	600
18	5	E1,E2,E3,E4,E5	TP, TURRET, 0.094"	MILL-MAX, 2501-2-00-80-00-00-07-0	3000
19	0	FB1	BEAD, 1206 OPT	TAIYO YUDEN, FB MJ3216HS800	0
20	0	L1	IND, PWR, 10UH, L-CDRH4D22/HP OPT	SUMIDA, CDRH4D22HPNP-100MC	0
21	1	Q1	MOSFET N-CH, POWER33	FAIRCHILD SEMI., FDMC2674	600
22	1	R1	RES., CHIP, 12KΩ, 0402	VISHAY, CRCW040212K0FKED	600
23	1	R3	RES., CHIP, 357KΩ, 0402	NIC, NRC04F3573TRF	600
24	2	R4,R8	RES., CHIP, 2KΩ, 1206	VISHAY, CRCW12062K00JNEA	1200
25	1	R5	RES., CHIP, 6.04KΩ, 0402	NIC, NRC04F6041TRF	600
26	1	R6	RES., CHIP, 16.5KΩ, 0402	VISHAY, CRCW040216K5FKED	600
27	1	R7	RES., CHIP, 121KΩ, 0603	VISHAY, CRCW0603121KFKED	600
28	1	R9	RES., CHIP, 57.6KΩ, 0402	VISHAY, CRCW040257K6FKED	600
29	1	R10	RES., SENSE, 0.03, 0805	VISHAY, WSL0805R0300FEA	600
30	2	R11,R12	RES., CHIP, 0Ω, 0402	VISHAY, CRCW04020000Z0ED	1200
31	1	T1	XFR, FLYBACK	PULSE, PA2467NL	275
	1	T1		WURTH, 750311439	325
32	1	U1	IC., LT3748EMS, MS16(12)	LINEAR TECH., LT3748EMS	600
33	1		STENCILS FOR BOTH SIDES	DC1557A-2	1