

Linear Technology Corporation

LTC4264CDE/LT3825EFE ENG: DILIAN REYES (25-30)

TRIPLE OUTPUT, HIGH POWER, HIGH EFFICIENCY POE PD

BILL OF MATERIALS
DC1049A-2* QTY-175

4/30/2007 9:26 AM

Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				NUMBER OF BOARDS =	175
1	3	C1,C20,C21	CAP., X5R 47UF 6.3V, 1210	TDK, C3225X5R0J476M	525
2	2	C22,C3	CAP., 100UF 6.3V, 3528	KEMET, T520B107M006ATE070	350
3	1	C4	CAP., NPO, 1500PF 100V, 0805	PANASONIC, ECJ-2VB2A152K	175
4	1	C5	CAP., ELEC., 12UF 100V, C-SANYO-MV-AX-6.3X11	SANYO, 100ME12AX	175
5	1	C6	CAP., X7R, 2.2UF 100V, 1812	TDK, C4532X7R2A225K	175
6	0	C7	CAP., 1206	OPT	0
7	1	C8	CAP., X7R, 0.1UF 100V, 0805	TDK, C2012X7R2A104K	175
8	3	C9,C10,C18	CAP., X7R, 22UF 16V, 1210	TDK, C3225X7R1C226M	525
9	1	C11	CAP., NPO, 220PF 100V, 0805	AVX, 08051A221JAT	175
10	4	C13,C14,C15,C16	CAP, X7R, 0.01UF 200V, 0805	AVX, 08052C103JAT	700
11	1	C17	CAP, X7R 1000pF 2KV, 1808	AVX, 1808GC102MAT	175
12	3	C19,C27,C32	CAP., X5R, 0.1UF 25V, 0603	AVX, 06033D104KAT2A	525
13	1	C23	CAP., MONOLITHIC, 4700PF 250V, C-MRATA-GA343D	MURATA, GA343DR7GD472KW01L	175
14	1	C24	CAP., X7R, 1UF 25V, 0805	TDK, C2012X7R1E105K	175
15	0	C25	CAP., NPO, 470PF 50V, 0603	OPT	0
16	1	C26	CAP., X7R, 3300PF 25V, 0603	AVX, 06033C332KAT	175
17	1	C28	CAP., X7R, 2200PF 50V, 0603	AVX, 06035C222JAT	175
18	1	C30	CAP., NPO, 33PF 50V, 0603	AVX, 06035A330KAT2A	175
19	0	C31	CAP., 0603	OPT	0
20	1	C33	CAP., NPO, 680PF 50V, 0603	AVX, 06035A681JAT	175
21	1	D1	DIODE, 58V 400W TVS, SMA-DIODE	DIODES INC., SMAJ58A	175
22	11	D2-D10,D12,D15	DIODE, SCHOTTKY, 2.0A, SMB-DIODE	DIODES INC., B2100-13	1925
23	1	D11	DIODE, FAST SWITCHING, SOT23	DIODES INC., BAS21-7-F	175
24	1	D13	DIODE, 0.5A SCHOTTKY, SOD123	DIODES INC., B0540W-7	175
25	1	D14	DIODE, SCHOTTKY, SOT23	DIODES INC., BAT54-7-F	175
26	1	D17	DIODE, SWITCHING, SOT23	CENTRAL SEMI., CMPD3003TR	175
27	11	E1-E11	TP, TURRET, 0.094"	MILL-MAX, 2501-2-00-80-00-00-07-0	1925
28	2	JP1,JP2	JMP, 3PIN 1 ROW .079"	SAMTEC, TMM-103-02-L-S	350
29	1	JP3	JMP, 2X6, 0.079"	SAMTEC, TMM-106-02-L-D	175
30	3	SHUNT FOR JP1-JP3 (1&2)	SHUNT, .079" CENTER	SAMTEC, 2SN-BK-G	525
31	1	J1	CONN, RJ-45 RIGHT ANGLE, RJ45	STEWART CONN. SYS.,SS-6488-NF-K1	175
32	0	J2	JMP, 2X3, .079CC, HD2X3-079	OPT	0
33	1	J3	CONN, DC PWR JACK, CON-CUI-PJ002A	CUI INC., PJ-002AH	175
34	2	L1,L3	IND, 0.33UH, L-DO1813HC	COILCRAFT, DO1813H-331MLB	350
35	1	L2	IND, 4.7UH, L-HCP0703	COILTRONICS, HCP0703-4R7-R	175
36	1	LED1	LED, LN1351C, GREEN	PANASONIC, LN1351C-(TR)	175
37	1	Q1	XSTR, MOSFET, N-CH, 60-V, SO8	VISHAY, Si4470EY	175
38	2	Q3,Q2	XSTR, MOSFET, N-CH, 150-V, SO8	VISHAY, Si4488DY	350

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				175	
1	3	C1,C20,C21	CAP., X5R 47UF 6.3V, 1210	TDK, C3225X5R0J476M	525
39	1	Q4	XSTR, MOSFET, N-CH, 30-V, SO8	VISHAY, Si4362DY	175
40	1	Q5	XSTR, PNP, 100V, SOT23	ZETEX, FMMT723TA	175
41	1	Q6	XSTR, PNP, 20V, SOT23	ZETEX, FMMT718TA	175
42	1	Q7	XSTR, NPN, 20V, SOT23	ZETEX, FMMT618TA	175
43	2	R1,R8	RES., CHIP, 10, 1/4W, 5%, 1206	AAC, CR18-100JM	350
44	0	R2	RES., 1206	OPT	0
45	1	R3	RES., CHIP, 124, 1/16W, 1%, 0603	AAC, CR16-1240FM	175
46	4	R4,R5,R6,R7	RES., CHIP, 75, 1/16W, 5%, 0603	AAC, CR16-750JM	700
47	1	R9	RES., CHIP, 20K, 1/4W, 1%, 1206	AAC, CR18-2002FM	175
48	1	R10	RES., CHIP, 91, 1/10W, 5%, 0805	AAC, CR10-910JM	175
49	1	R11	RES., CHIP, 0, JUMPER, 0603	PANASONIC, ERJ3GEY0R00V	175
50	1	R12	RES., CHIP, 332, 1/16W, 1%, 0603	VISHAY, CRCW0603332RFKEA	175
51	1	R13	RES., CHIP, 29.4K, 1/16W, 1%, 0603	AAC, CR16-2942FM	175
52	4	R14,R18,R27,R28	RES., CHIP, 10K, 1/16W, 1%, 0603	AAC, CR16-1002FM	700
53	1	R15	RES., CHIP, 47, 1/10W, 5%, 0805	AAC, CR10-470JM	175
54	1	R16	RES, CHIP, 0.015 OHMS 1% 1/8W, 1206	IRC, LRC-LRF1206LF-01-R015-F	175
55	1	R17	RES., CHIP, 330, 1/16W, 5%, 0603	AAC, CR16-331JM	175
56	1	R19	RES., CHIP, 20K, 1/16W, 1%, 0603	AAC, CR16-2002FM	175
57	1	R20	RES., CHIP, 3.01K, 1/16W, 1%, 0603	AAC, CR16-3011FM	175
58	0	R21	RES., CHIP, 100K, 1/16W, 1%, 0603	OPT	0
59	1	R22	RES., CHIP, 15, 1/16W, 5%, 0603	AAC, CR16-150JM	175
60	1	R23	RES., CHIP, 15K, 1/16W, 1%, 0603	AAC, CR16-1502FM	175
61	1	R24	RES., CHIP, 100K, 1/16W, 1%, 0603	AAC, CR16-1003FM	175
62	1	R25	RES., CHIP, 2.1K, 1/16W, 1%, 0603	AAC, CR16-2101FM	175
63	1	R26	RES., CHIP, 150K, 1/16W, 1%, 0603	AAC, CR16-1503FM	175
64	1	R29	RES., CHIP, 69.8, 1/10W, 1%, 0603	AAC, CR16-69R8FM	175
65	1	R30	RES., CHIP, 45.3, 1/10W, 1%, 0603	AAC, CR16-45R3FM	175
66	1	R31	RES., CHIP, 30.9, 1/10W, 1%, 0603	AAC, CR16-30R9FM	175
67	1	R32	RES., CHIP, 22.1, 1/10W, 1%, 0603	AAC, CR16-22R1FM	175
68	1	R33	RES., CHIP, 130, 1/16W, 5%, 0603	AAC, CR16-131JM	175
69	1	T1	XFMR, FLYBACK, PA1558NL, TRANS-PA1558NL	PULSE, PA1558NL	175
70	1	T2	XFMR, 1.4mH MIN, 50KHz, TRANS-PA0184	PULSE, PA0184	175
71	1	T3	XFMR, POE PLUS, ETH1-230LD, TRANS-ETH1-230LD	COILCRAFT, ETH1-230LB	175
72	1	U1	IC, LT3825EFE, TSSOP16FE	LINEAR TECH., LT3825EFE	175
73	1	U2	IC, LTC4264CDE, DFN12DE	LINEAR TECH., LTC4264CDE	175
74	4	STAND-OFFS AT 4 CORNERS	STAND-OFF, NYLON (SNAP ON), 0.625" TALL	KEYSTONE, 8834(SNAP ON)	700
75	2		STENCILS BOTH SIDES	DC1049A	2