

Linear Technology Corporation

LTC4240CGN28

I2C COMPACT PCI HOT SWAP CONTROLLER

ENG: VICTOR FLEURY

BILL OF MATERIALS

DC458A-A/-B

QTY- 125

Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				NUMBER OF BOARDS =	125
1	2	C1,C4	CAP,TANT TPS 100UF 16V,7343	AVX, TPSD107M016S0125	250
2	4	C2,C3,C5,C16	CAP,TANT TPS 47UF 25V,7343	AVX, TPSD476M025R0250	500
3	2	C6,C9	CAP,TANT TPS 470UF 10V, 7343	AVX, TPSE477M010R0059	250
4	5	C7,C8,C10,C11,C12	CAP CER X7R 0.1UF 16V,0603	TAIYO YUDEN, EMK107BJ104MA	625
5	1	C13	CAP, CER Z5U 0.047UF 50V	AVX, 08055E473KAT2A	125
6	3	C14,C17,C18	CAP, CER X7R 0.01UF 25V	AVX, 06033C103MAT1A	375
7	1	C15	CAP, CER X7R 4700PF 25V	AVX, 06033C472MAT1A	125
8	2	D1,D2	DIODE, 1PMT5.OAT3,POWERMITE	ON SEMI., 1PMT5.OAT3	250
9	2	D3,D4	DIODE, SMAJ12CA, SMA-DIODE	DIODES, SMAJ12CA	250
10	19	E1-E19	TP, TURRET, .094"	MILL-MAX, 2501-2	2375
11	6	JP1-JP6	HEADER, 3PIN 1 ROW .079CC	COMM-CON, 2802S-03-G1	750
12	6	SHUNTS FOR JP1-JP6	SHUNT, 0.079" CENTER	COMM-CON, CCIJ2MM-138G	750
13	6	J1-J6	JACK, BANANA,KEY-575	KEYSTONE, 575-4	750
14	1	J7	HEADER, 2X7PIN, 0.079CC	MOLEX, 87331-142	125
15	1	LED1	LED,GREEN,LED-LN1351C-GREEN	PANASONIC, LN1351C-(TR)	125
16	1	LED2	LED,BLUE,LNJ951C4BRA	PANASONIC, LNJ951C4BRA	125
17	1	LED3	LED,RED,LED-LN1251C-RED	PANASONIC, LN1251C-(TR)	125
18	1	P1	CON., COMPACTPCI MALW	AMP, 352332-1	125
19	1	P2	CON., COMPACTPCI FEMALE	AMP, 352068-1	125
20	1	Q1	TRANS, MMBT3906, SOT23	DIODES INC., MMBT3906	125
21	2	Q2,Q3	MOSFET, HEXFET POWER, SO8-POWERPAK	SILICONIX, Si7880DP	250
22	1	Q4	TRANS, MMBT2222A, SOT23	DIODES INC., MMBT2222A	125
23	1	R1	RES, CHIP 51.1K 1/16W 1%,0603	AAC,CR16-5112FM	125
24	2	R2,R25	RES, CHIP 200 1/16W 5%,0603	AAC,CR16-201JM	250
25	2	R3,R33	RES, CHIP 2K 1/16W 5%,0603	AAC, CR16-202JM	250
26	6	R4,R14,R16,R19,R23,R32	RES, CHIP 1K 1/16W 5%,0603	AAC, CR16-102JM	750
27	1	R5	RES, CHIP 0.007 1W 1%,2512	PANASONIC, ERJM1WSF7M0U	125
28	2	R6,R9	RES, CHIP 2.7 1/16W 5%,0603	AAC,CR16-2R7JM	250
29	7	R7,R10,R13,R15,R22,R27,R29	RES, CHIP 10 1/16W 5%,0603	AAC,CR16-100JM	875
30	1	R8	RES, CHIP 0.005 1W 1%,2512	PANASONIC, ERJM1WSF5M0U	125
31	1	R11	RES, CHIP 75K 1/16W 5%,0603	AAC, CR16-753JM	125
32	1	R12	RES, CHIP 1.2K 1/16W 5%,0603	AAC, CR16-122JM	125
33	4	R17,R24,R28,R35	RES, CHIP 100 1/16W 5%,0603	AAC,CR16-101JM	500
34	1	R18	RES, CHIP 180 1/16W 5%,0603	AAC,CR16-181JM	125

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Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				NUMBER OF BOARDS =	125
35	1	R20	RES, CHIP 24 1/16W 5%,0603	AAC,CR16-240JM	125
36	1	R21	RES, CHIP 12.1 1/16W 1%,0603	AAC,CR16-12R1FM	125
37	1	R26	RES, CHIP 10K 1/16W 5%,0603	AAC,CR16-103JM	125
38	1	R30	RES, CHIP 20K 1/16W 5%,0603	AAC,CR16-203JM	125
39	1	R31	RES, CHIP 511 1/16W 1%,0603	AAC,CR16-5110FM	125
40	1	R34	RES, POT 10K 1/16W 5%	BOURNS, 3266W-1-103	125
41	2	R36,R37	RES., CHIP 4.99K 1/16W 1%,0603	AAC, CR16-4991FM	250
42	1	R38	RES., CHIP 86.6K 1/16W 1%,0603	AAC, CR16-8662FM	125
43	1	R39	RES., CHIP 1.37K 1/16W 1%,0603	AAC, CR16-1371FM	125
44	1	U1	IC., LTC4240CGN28,SSOP28GN	LINEAR TECH., LTC4240CGN28	125
45	1	U2	IC., IDTQS3384PA, TSSOP24	IDT., IDTQS3384PA	125
46	1	U3	I.C., 24LC025, TSSOP8	MICROCHIP, 24LC025	125
47	8	MTGS AT 4 CORNERS	SCREW, #4-40, 1/4"	ANY	1000
48	8	MTGS AT 4 CORNERS	STANDOFF, NYLON HEX #4-40 1/2"	MICRO PLASTICS 14HTSP003	1000
		NOTES: UNLESS OTHERWISE SPECIFIED			
		1. ALL RESISTORS ARE IN OHMS.			
		2. INSTALL 4 STAND OFF COMPONENTS AT 4 CONERS OF EACH BOARD AND ON BOTTOM SIDE.			
		3. INSTALL SHUNTS ON JP1-JP6 PIN 1 AND 2.			
		4. INSTALL P2 ON SOLDER SIDE (BOTTOM SIDE)			