

Linear Technology Corporation

I2C/SMBUS/PMBUS CONTROLLER

ENG: LEO C. (25-30)

BILL OF MATERIALS
DC1613A2-GENERAL BOM

QTY-175

5/26/2010 2:22 PM

Item	Qty	Reference	Part Description	Manufacture / Part #	Kit Qty
				NUMBER OF BOARDS =	175
1	21	C1-C3,C9,C11-C13,C15-C17,C20, C23-C24,C26-C30,C32,C39,C40	CAP., X5R,0.1uF 10V 10%,0402	AVX, 0402ZD104KAT	3675
2	7	C10,C22,C34,C36,C42,C44,C45	CAP., X5R, 10uF 6.3V 20%, 0805	TDK, C2012X5R0J106M	1225
3	6	C14,C21,C35,C41,C43,C46	CAP., X7R 0.01uF 16V 10%,0402	AVX, 0402YC103KAT2A	1050
4	2	C18,C19	CAP., NPO 47pF 50V 10%,0402	AVX, 04025A470KAT2A	350
5	1	C25	CAP., X5R,0.1uF 10V 10%,0402	AVX, 0402ZD104KAT	175
6	1	C31	CAP., X5R, 10uF 16V 20%, 0805	TDK, C2012X5R1C106M	175
7	1	C33	CAP., X5R, 100uF 6.3V 20%,1210	TDK, C3225X5R0J107M	175
8	1	C37	CAP., X7R, 330pF 50V 10%, 0402	AVX, 04025C331KAT2A	175
9	1	C38	CAP., X7R, 2.2nF 1000V,1206	AVX, 1206AC222KAT1A	175
10	2	D1,D2	DIODE,SCHOTTKY, SOT23	DIODES INC., BAT54S-7-F	350
11	10	E1-E10	TESTPOINT, TURRET, 0.064"	MILL-MAX, 2308-2-00-80-00-00-07-0	1750
12	2	JP1,JP9	JMP, 2X3, 0.079"	SAMTEC, TMM-103-02-L-D	350
13	0	JP2	JMP, 3PIN 1 ROW, 0.079CC	OPT	0
14	5	JP4,JP5,JP6,JP7,JP10	JMP, 3PIN 1 ROW, 0.079CC	SAMTEC, TMM-103-02-L-S	875
15	0	JP8	JMP, 2PIN 1 ROW, 0.079CC	OPT	0
16	1	J1	HEADER, 2X6PIN, 0.079CC	FCI, 98414-G06-12ULF	175
17	1	J2	CON, USB-B, 4 PINS, SINGLE THR. HOLE	MILL-MAX, 897-43-004-90-000	175
18	2	LED1,LED2	LED, GND, 0603	LITE ON, LTST-C190KGKT	350
19	1	Q4	MOSFET, N-CH, DS, SOT23	SILICONIX, Si2316DS-T1-E3	175
20	1	Q5	XSTOR,N-CH, SOT23	SILICONIX, 2N7002K-T1-E3	175
21	1	RSENSE1	RES., Chip 0.1 OHM, 1%, 0805	VISHAY/DALE, WSL0805R1000F	175
22	1	R1	RES., Chip 49.9K 1/16W 1%,0402	VISHAY, CRCW040249K9FKED	175
23	2	R2,R14	RES., Chip 475 1/16W 1%,0402	VISHAY, CRCW0402475FKED	350
24	1	R3	RES., Chip 20K 1/16W 1%,0402	VISHAY, CRCW040220K0FKED	175
25	2	R4,R22	RES., Chip 33.2 1/16W 1%,0402	VISHAY, CRCW040233R2FKED	350
26	9	R5,R23,R42,R43,R48,R49,R50,R51,R53	RES., Chip 1K 1/16W 1%,0402	VISHAY, CRCW04021K00FKED	1575
27	0	R10	RES., Chip 4.99K 1/16W 1%,0402	OPT	0
28	8	R29,R32,R41,R44-R47,R54	RES., Chip 4.99K 1/16W 1%,0402	VISHAY, CRCW04024K99FKED	1400
29	0	R12	RES., Chip 1M 1/16W 1%,0402	OPT	0
30	11	R20,R21,R24,R26,R36-R39,R55,R59,R61	RES., Chip 10K 1/16W 1%,0402	VISHAY, CRCW040210K0FKED	1925
31	2	R17,R18	RES., Chip 22.1 1/16W 1%,0402	VISHAY, CRCW040222R1FKED	350
32	2	R19,R62	RES., Chip 1.5K 1/16W 1%,0402	VISHAY, CRCW04021K50FKED	350
33	1	R25	RES., Chip 2.21K 1/16W 1%,0402	VISHAY, CRCW04022K21FKED	175

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				NUMBER OF BOARDS =	175
34	1	R27	RES., Chip 4.53K 1/16W 1%,0402	VISHAY, CRCW04024K53FKED	175
35	3	R28,R33,R40	RES., Chip 499 1/16W 1%,0402	VISHAY, CRCW0402499RFKED	525
36	2	R30,R34	RES., Chip 2K 1/16W 1%,0402	VISHAY, CRCW04022K00FKED	350
37	0	R31,R35	RES., Chip,0402	OPT	0
38	1	R52	RES., Chip 2.49K 1/16W 1%,0402	VISHAY, CRCW04022K49FKED	175
39	3	R56,R57,R60	RES., Chip 100 1/16W 1%,0402	VISHAY, CRCW0402100RFKED	525
40	1	R58	RES., Chip 16.9K 1/16W 1%,0402	VISHAY, CRCW040216K9FKED	175
41	1	R69	RES., Chip, 0, 1/4W, 1206	VISHAY, CRCW12060000Z0EA	175
42	1	T1	XFMR, PA0510, TRANS-PA0510	PULSE, PA0510NLT	175
43	1	U1	I.C., PIC16LF1937-I/PT, TQFP44	MICROCHIP, PIC16LF1937-I/PT	175
44	1	U2	I.C., LTC1799CS5#PBF, TSOT23-5	LINEAR TECH., LTC1799CS5#PBF	175
45	1	U6	I.C., FT245BL, LQFP32	FUTURE TECH., FT245BL	175
46	1	U7	I.C., 93LC46BT-I/OT, SOT23-6	MICROCHIP, 93LC46BT-I/OT	175
47	1	U8	I.C., LTC6905CS5-96#TRPBF, TSOT23-5	LINEAR TECH.,LTC6905CS5-96#TRPBF	175
48	1	U10	I.C., LTC4311CDC, DFN6DC	LINEAR TECH., LTC4311CDC	175
49	2	U11,U20	I.C., LT1720CS8, SO8	LINEAR TECH., LT1720CS8	350
50	1	U12	I.C., I2C BUS CONTROLLER, TSSOP20	NXP SEMI., PCA9665PW	175
51	2	U13,U16	I.C., QUAD 3-STATE NONINVERTING BUFFERS,TSSOP14	ON SEMI., MC74HC125A	350
52	1	U14	I.C., HIGH SPEED DIGITAL ISOLATOR, SO16-NB	AVAGO/AGILENT, HCPL-091J-000E	175
53	0	U15	I.C., MC14551BDG, SO16 OPT	ON SEMI., MC14551BDG	0
54	3	U17,U18,U19	I.C., OPTOCOUPLER, MOCD207M, S08	FAIRCHILD SEMI., MOCD207M	525
55	1	U21	I.C., LT3439EFE#PBF, TSSOP16FE	LINEAR TECH., LT3439EFE#PBF	175
56	2	U22,U25	I.C., LT1761ES5-3.3,SOT23-5	LINEAR TECH., LT1761ES5-3.3	350
57	1	U23	I.C., LTC4210-1CS6#PBF, TSOT23-6	LINEAR TECH., LTC4210-1CS6#PBF	175
58	1	U24	I.C., LT1761ES5-5#TRPBF, SOT23-5	LINEAR TECH., LT1761ES5-5#TRPBF	175
59	1	U26	I.C., FST3257MTCX, TSSOP16	FAIRCHILD SEMI., FST3257MTCX	175
60	8	SHUNTS AS SHOWN ON ASSY DWG	SHUNT, .079" CENTER	SAMTEC, 2SN-BK-G	1400
61	4	MTG	STAND-OFF, NYLON 0.50"	KEYSTONE, 8833 (SNAP-ON)	700
62	1		CABLE 12 PINS	CA-2978	175
63	1		PLASTIC BOX, GRAY WITH BLACK RUBBER SIDES	PACTEC, 83557-510-508	175
64	4	M1-M4: TO MOUNT BOARD TO PLASTIC BOX	SCREWS, #2, 0.1" HOLE DIA, FLAT HEAD	#2/56 X 1/4" LENGTH	700
65	2		STENCILS FOR BOTH SIDES	DC1613A-2	2
66	1		BOX LABEL		175
67	1		CABLE A-B MALE DBL SHIELD 2M	ASSMANN ELECTRONICS AK672	175

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<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacture / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	175
1	1	DC1613A-2	GENERAL BOM		175
2	0	R63,R66,R68	RES., Chip, 0402	OPT	0
3	3	R64,R65,R67	RES., Chip, 0, 1/16W, 0402	VISHAY, CRCW04020000Z0EA	525
4	0	Q6,Q7	XSTOR,N-CH, SOT23 OPT	SILICONIX, 2N7002K-T1-E3	0

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BILL OF MATERIALS

DC1613A2-B

QTY-0

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<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacture / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	0
1	1	DC1613A-2	GENERAL BOM		0
2	1	R63	RES., Chip, 0, 1/16W, 0402	VISHAY, CRCW04020000Z0EA	0
3	0	R64,R65,R67	RES., Chip, 0402	OPT	0
4	2	R66,R68	RES., Chip 1K 1/16W 1%,0402	VISHAY, CRCW04021K00FKED	0
5	2	Q6,Q7	XSTOR,N-CH, SOT23	SILICONIX, 2N7002K-T1-E3	0