

Linear Technology Corporation

LTC2335ILX-18/16

DC2412A2-GENERAL BOM (AB)

9/21/2015 9:14 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	270
1	13	C1-C3,C5-C9,C14-C16,C21,C47	CAP., X7R, 0.1uF, 25V,10%, 0603	Murata, GRM188R71E104KA01D	3510
2	0	C4	CAP., 0603	OPT	0
3	2	C10,C12	CAP., X5R, 2.2uF, 25V, 20%, 0603	TDK, C1608X5R1E225M080AB	540
4	1	C11	CAP., X7R, 47uF, 10V, 10%, 1210	MURATA, GRM32ER71A476KE15L	270
5	8	C13,C25,C28,C30,C33,C36,C41,C44	CAP., X7R, 1uF, 50V,10%, 0603	Taiyo Yuden, UMK107AB7105KA-T	2160
6	41	C17-C20,C22,C48-C69,C73,C84,C85,C90-C92, C96,C97,C104,C105,C120,C121,C128,C129	CAP., X7R, 0.1uF, 50V,10%, 0402	MURATA, GRM155R71H104KE14D	11070
7	9	C23,C27,C29,C32,C35,C38,C40,C43,C46	CAP., X5R, 10uF 25V, 20%, 0603	Murata, GRM188R61E106MA73D	2430
8	1	C24	CAP., TANT, 47uF 25V, 20%,7343	AVX, TPSD476M025R0250	270
9	6	C26,C31,C34,C37,C42,C45	CAP., X7R, 0.01uF, 50V, 10%, 0603	MURATA, GRM188R71H103KA01D	1620
10	1	C39	CAP., X5R, 3.3uF 25V, 20%, 0603	TDK, C1608X5R1E335M	270
11	1	C70	CAP., X5R, 47uF 6.3V, 20%, 0805	SAMSUNG, CL21A476MQCLRNC	270
12	2	C71,C88	CAP., X5R, 4.7uF, 10V, 10%, 0603	SAMSUNG, CL10A475KP8NNNC	540
13	3	C72,C83,C89	CAP., X7R, 0.01uF, 16V, 10%, 0402	Murata, GRM155R71C103KA01D	810
14	1	C74	CAP., X7R, 1nF, 50V, 10%, 0402	AVX, 04025C102KAT2A	270
15	3	C75,C76,C77	CAP., X7R, 22nF, 50V, 10%, 0402	Murata, GRM155R71H223KA12D	810
16	2	C78,C93	CAP., X7R, 4.7nF, 50V, 10%, 0402	Murata, GRM155R71H472KA01D	540
17	4	C79,C80,C81,C82	CAP., C0G, 10pF, 50V, 5%, 0402	MURATA, GRM1555C1H100JA01D	1080
18	1	C86	CAP., X7R, 2.2nF, 50V, 10%, 0402	Murata, GRM155R71H222KA01D	270
19	1	C87	CAP., TANT, 470uF 10V, 20%,7343	AVX, TPSE477M010R0050	270
20	0	C94,C95,C102,C103,C106-C109,C113,C115-C119, C124,C125,C130-C133,C137,C139,C140,C141	CAP., 0402	OPT	0
21	8	C98,C99,C110,C111,C122,C123,C134,C135	CAP., NP0, 270pF, 50V, 2%, 0402	MURATA, GRM1555C1H271GA01D	2160
22	0	C100,C101,C112,C114,C126,C127,C136,C138	CAP., 0805	OPT	0
23	4	D1,D2,D3,D4	DIODE, SCHOTTKY 30V 0.1A, SOD323	DIODES INC., BAT54WS-7-F	1080
24	9	E1,E2,E4,E7-E12	TESTPOINT, TURRET, .064" pbf	MILL-MAX, 2308-2-00-80-00-00-07-0	2430
25	3	E3,E5,E6	TESTPOINT, TURRET, .094" pbf	MILL-MAX, 2501-2-00-80-00-00-07-0	810
26	4	JP1,JP2,JP3,JP4	JMP, 1X3, .100", HD1X3-100	Wurth Elektronik, 61300311121	1080
27	8	JP5-JP12	HEADER, 1X2, .100", HD1X2-100	SAMTEC, TSW-102-07-L-S	2160
28	3	J1,J5,J6	CONN BNC FEM JACK PC MNT STRGHT,BNC5	Amphenol Connex, 112404	810
29	2	J2,J3	HEADER, 2X5, .100", HD2X5-100	Wurth Elektronik, 61301021121	540
30	1	J4	CONN., 14 Pin, 2mm	MOLEX, 87831-1420	270
31	1	J7	HEADER, 3X8, .100", HD3X8-100	SAMTEC, TSW-108-07-L-T	270
32	1	L1	FERRITE BEAD, 1206	MURATA, BLM31PG391SN1L	270
33	10	R1,R5,R21,R22,R36,R37,R39,R41,R44,R46	RES., CHIP, 1K, 1/10W, 1% 0603	YAGEO, RC0603FR-071KL	2700
34	13	R2,R3,R6,R8,R11-R18,R20	RES., CHIP, 33, 1/10W, 5% 0603	YAGEO, RC0603JR-0733RL	3510
35	1	R4	RES., CHIP, 49.9, 1/4W, 1% 1206	YAGEO, RC1206FR-0749R9L	270

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DC2412A2-GENERAL BOM (AB)

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	270
36	0	R7	RES., 0603	OPT	0
37	11	R9,R10,R19,R107,R109,R124,R125, R133,R135,R149,R151	RES., CHIP, 0, 1/10W, 0603	YAGEO, RC0603FR-070RL	2970
38	0	R23,R50,R51,R53,R54,R56,R57,R111,R112, R114,R115,R117-R119,R121,R127,R128, R137,R138,R141-R145,R147,R153,R154	RES., 0402	OPT	0
39	39	R24-R31,R33,R52,R62-R90	RES., CHIP, 33, 1/16W, 5% 0402	YAGEO, RC0402JR-0733RL	10530
40	22	R32,R47-R49,R55,R58,R105,R106,R113, R116,R120,R122,R129-R132,R139,R140, R146,R148,R155,R156	RES., CHIP, 0, 1/10W, 0402	YAGEO, RC0402FR-070RL	5940
41	2	R34,R38	RES., CHIP, 11.5K, 1/10W, 1% 0603	YAGEO, RC0603FR-0711K5L	540
42	1	R35	RES., CHIP, 5.62K, 1/10W, 1% 0603	YAGEO, RC0603FR-075K62L	270
43	1	R40	RES., CHIP, 1.07K, 1/10W, 1% 0603	YAGEO, RC0603FR-071K07L	270
44	1	R42	RES., CHIP, 1.58K, 1/10W, 1% 0603	YAGEO, RC0603FR-071K58L	270
45	1	R43	RES., CHIP, 3.09K, 1/10W, 1% 0603	YAGEO, RC0603FR-073K09L	270
46	1	R45	RES., CHIP, 1.43K, 1/10W, 1% 0603	YAGEO, RC0603FR-071K43L	270
47	11	R59,R60,R95-R103	RES., CHIP, 10K, 1/16W, 5% 0402	YAGEO, RC0402JR-0710KL	2970
48	4	R91,R92,R93,R94	RES., CHIP, 4.99K, 1/10W, 1% 0603	YAGEO, RC0603FR-074K99L	1080
49	1	R104	RES., CHIP, 1K, 1/16W, 5% 0402	YAGEO, RC0402JR-071KL	270
50	8	R108,R110,R123,R126,R134,R136,R150,R152	RES., CHIP, 100, 1/16W, 1% 0402	YAGEO, RC0402FR-07100RL	270
51	4	U2,U3,U5,U13	IC., INVERTER UHS SINGLE, SC70-5	FAIRCHILD, NC7SZ04P5X	2160
52	1	U4	IC., D-TYPE POS TRG SNGL, US8	ON SEMI., NL17SZ74USG	1080
53	5	U6,U9,U10,U11,U12	IC., BUS SWITCH SPST SGL LV, SC70-5	FAIRCHILD, NC7SZ66P5X	270
54	1	U7	IC., 0.25ppm NOISE, LOW DRIFT PRECISION REF., MS8	LINEAR TECH., LTC6655BHMS8-5	1350
55	1	U8	IC., I/O EXPANDER I2C 8B, SSOP20	NXP, PCF8574TS/3,118	270
56	1	U14	IC., 200mA LDO MICROPWR REGULATORS, SOT23-5	LINEAR TECH., LT1964ES5-SD	270
57	5	U15,U16,U17,U18,U21	IC., 500mA LDO MICROPWR REGULATORS, SO8	LINEAR TECH., LT1763CS8	270
58	1	U19	IC, LINEAR REGULATOR, SO8	LINEAR TECH., LT3021ES8-1.2	1350
59	1	U20	IC., 500mA LDO MICROPWR REGULATORS, SO8	LINEAR TECH., LT1763CS8-2.5	270
60	1	U22	IC, CYCLONE III FPGA 5K, EQFP144	ALTERA, EP3C5E144C7N	270
61	1	U23	IC, CONFIG DEVICE 4MBIT, SO8	ALTERA, EPCS4SI8N	270
62	1	U24	IC., SERIAL EEPROM, TSSOP8	Microchip, 24LC024-I/ST	270
63	4	U25,U26,U27,U28	IC, Dual 12MHz, Op Amp, SO8	LINEAR TECH., LT1355CS8	270
64	4	MH1-MH4	STAND-OFF, NYLON, 0.25"	KEYSTONE, 8831(SNAP ON)	1080
64	12	SHUNTS AS ASSY DWG (JP1-JP4,J7)	SHUNT, 0.1" CENTER	Wurth Elektronik, 60900213421	1080
65	2		STENCILS FOR BOTH SIDES	DC2412A-2	2

Linear Technology Corporation

LTC2335ILX-18

Bill Of Materials
Demo Bd. 2412A2-A

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	135
1	1		DC2412A2-GENERAL BOM		1
2	1	R61	RES., CHIP, 0, 1/10W, 0402	YAGEO, RC0402FR-070RL	135
3	1	U1	I.C., 8-CH, LQFP48LX-7X7	LINEAR TECH., LTC2335ILX-18	135

Linear Technology Corporation

LTC2335ILX-16

Bill Of Materials
Demo Bd. 2412A2-B

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	135
1	1		DC2412A2-GENERAL BOM		1
2	0	R61	RES., CHIP, 0402	OPT	0
3	1	U1	I.C., 8-CH, LQFP48LX-7X7	LINEAR TECH., LTC2335ILX-16	135