

Linear Technology Corporation

LTC23XXILX FAMILY

DC2365A2-GENERAL BOM (ABCDEFGH)

12/17/2015 6:15 PM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	880
1	8	C1,C2,C3,C6,C7,C16,C21,C47	CAP., X7R, 0.1uF, 25V,10%, 0603	Murata, GRM188R71E104KA01D	7040
2	14	C4,C5,C8,C9,C13-C15,C25,C28,C30,C33,C36,C41,C44	CAP., X7R, 1uF, 50V,10%, 0603	Taiyo Yuden, UMK107AB7105KA-T	12320
3	10	C10,C23,C27,C29,C32,C35,C38,C40,C43,C46	CAP., X5R, 10uF 25V, 20%, 0603	Murata, GRM188R61E106MA73D	8800
4	1	C11	CAP., X7R, 47uF, 10V, 10%, 1210	MURATA, GRM32ER71A476KE15L	880
5	1	C12	CAP., X5R, 2.2uF, 25V, 20%, 0603	TDK, C1608X5R1E225M080AB	880
6	33	C17-C20,C22,C48-C69,C73,C84,C85,C90-C92	CAP., X7R, 0.1uF, 50V,10%, 0402	MURATA, GRM155R71H104KE14D	29040
7	1	C24	CAP., TANT, 47uF 25V, 20%,7343	AVX, TPSD476M025R0250	880
8	6	C26,C31,C34,C37,C42,C45	CAP., X7R, 0.01uF, 50V, 10%, 0603	MURATA, GRM188R71H103KA01D	5280
9	1	C39	CAP., X5R, 3.3uF 25V, 20%, 0603	TDK, C1608X5R1E335M	880
10	1	C70	CAP., X5R, 47uF 6.3V, 20%, 0805	SAMSUNG, CL21A476MQCLRNC	880
11	2	C71,C88	CAP., X5R, 4.7uF, 10V, 10%, 0603	SAMSUNG, CL10A475KP8NNNC	1760
12	3	C72,C83,C89	CAP., X7R, 0.01uF, 16V, 10%, 0402	Murata, GRM155R71C103KA01D	2640
13	1	C74	CAP., X7R, 1nF, 50V, 10%, 0402	AVX, 04025C102KAT2A	880
14	3	C75,C76,C77	CAP., X7R, 22nF, 50V, 10%, 0402	Murata, GRM155R71H223KA12D	2640
15	2	C78,C93	CAP., X7R, 4.7nF, 50V, 10%, 0402	Murata, GRM155R71H472KA01D	1760
16	4	C79,C80,C81,C82	CAP., C0G, 10pF, 50V, 5%, 0402	Murata, GRM155C1H100JDD5D	3520
17	1	C86	CAP., X7R, 2.2nF, 50V, 10%, 0402	Murata, GRM155R71H222KA01D	880
18	1	C87	CAP., TANT, 470uF 10V, 20%,7343	AVX, TPSE477M010R0050	880
19	0	C94,C95	CAP., 0805	OPT	0
20	0	C96-C119	CAP., 0402	OPT	0
21	4	D1,D2,D3,D4	DIODE, SCHOTTKY 30V 0.1A, SOD323	DIODES INC., BAT54WS-7-F	3520
22	9	E1,E2,E4,E7-E12	TESTPOINT, TURRET, .064" pbf	MILL-MAX, 2308-2-00-80-00-00-07-0	7920
23	3	E3,E5,E6	TESTPOINT, TURRET, .094" pbf	MILL-MAX, 2501-2-00-80-00-00-07-0	2640
24	12	JP1-JP12	JMP, 1X3, .100", HD1X3-100	Wurth Elektronik, 61300311121	10560
25	3	J1,J5,J6	CONN, BNC FEM JACK PC MNT STRGHT,BNC5	Amphenol Connex, 112404	2640
26	2	J2,J3	HEADER, 2X5, .100", HD2X5-100	Wurth Elektronik, 61301021121	1760
27	1	J4	CONN., 14 Pin, 2mm	MOLEX, 87831-1420	880
28	1	J7	HEADER, 3X8, .100", HD3X8-100	SAMTEC, TSW-108-07-L-T	880
29	1	L1	FERRITE BEAD, 1206	MURATA, BLM31PG391SN1L	880
30	10	R1,R5,R21,R22,R36,R37,R39,R41,R44,R46	RES., CHIP, 1K, 1/10W, 1% 0603	YAGEO, RC0603FR-071KL	8800
31	15	R2,R3,R6,R8,R10-R20	RES., CHIP, 33, 1/10W, 5% 0603	YAGEO, RC0603JR-0733RL	13200
32	1	R4	RES., CHIP, 49.9, 1/4W, 1% 1206	YAGEO, RC1206FR-0749R9L	880
33	0	R7	RES., 0603	OPT	0
34	3	R9,R106,R107	RES., CHIP, 0, 1/10W, 0603	YAGEO, RC0603FR-070RL	2640
35	0	R23,R50,R51,R53,R54,R56,R57	RES., 0402	OPT	0
36	40	R24-R31,R33,R49,R52,R62-R90	RES., CHIP, 33, 1/16W, 5% 0402	YAGEO, RC0402JR-0733RL	35200
37	21	R32,R47,R48,R55,R58,R108-R123	RES., CHIP, 0, 1/10W, 0402	YAGEO, RC0402FR-070RL	18480

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	880
38	2	R34,R38	RES., CHIP, 11.3K, 1/10W, 1% 0603	YAGEO, RC0603FR-0711K3L	1760
39	1	R35	RES., CHIP, 5.62K, 1/10W, 1% 0603	YAGEO, RC0603FR-075K62L	880
40	1	R40	RES., CHIP, 1.07K, 1/10W, 1% 0603	YAGEO, RC0603FR-071K07L	880
41	1	R42	RES., CHIP, 1.58K, 1/10W, 1% 0603	YAGEO, RC0603FR-071K58L	880
42	1	R43	RES., CHIP, 3.09K, 1/10W, 1% 0603	YAGEO, RC0603FR-073K09L	880
43	1	R45	RES., CHIP, 1.43K, 1/10W, 1% 0603	YAGEO, RC0603FR-071K43L	880
44	11	R59,R60,R95-R103	RES., CHIP, 10K, 1/16W, 5% 0402	YAGEO, RC0402JR-0710KL	9680
45	4	R91,R92,R93,R94	RES., CHIP, 4.99K, 1/10W, 1% 0603	YAGEO, RC0603FR-074K99L	3520
46	1	R104	RES., CHIP, 1K, 1/16W, 5% 0402	YAGEO, RC0402JR-071KL	880
47	4	U2,U3,U5,U13	IC., INVERTER UHS SINGLE, SC70-5	FAIRCHILD, NC7SZ04P5X	3520
48	1	U4	IC., D-TYPE POS TRG SNGL, US8	ON SEMI., NL17SZ74USG	880
49	5	U6,U9,U10,U11,U12	IC., BUS SWITCH SPST SGL LV, SC70-5	FAIRCHILD, NC7SZ66P5X	4400
50	1	U7	IC., 0.25ppm NOISE, LOW DRIFT PRECISION REF., MS8	LINEAR TECH., LTC6655BHMS8-5	880
51	1	U8	IC., I/O EXPANDER I2C 8B, SSOP20	NXP, PCF8574TS/3,118	880
52	1	U14	IC., 200mA LDO MICROPWR REGULATORS, SOT23-5	LINEAR TECH., LT1964ES5-SD	880
53	5	U15,U16,U17,U18,U21	IC., 500mA LDO MICROPWR REGULATORS, SO8	LINEAR TECH., LT1763CS8	4400
54	1	U19	IC, LINEAR REGULATOR, SO8	LINEAR TECH., LT3021ES8-1.2	880
55	1	U20	IC., 500mA LDO MICROPWR REGULATORS, SO8	LINEAR TECH., LT1763CS8-2.5	880
56	1	U22	IC, CYCLONE III FPGA 5K, EQFP144	ALTERA, EP3C5E144C7N	880
57	1	U23	IC, CONFIG DEVICE 4MBIT, SO8	ALTERA, EPCS4SI8N	880
58	1	U24	IC., SERIAL EEPROM, TSSOP8	Microchip, 24LC024-I/ST	880
59	4	MH1-MH4	STAND-OFF, NYLON, 0.25"	KEYSTONE, 8831(SNAP ON)	3520
56	20	SHUNTS AS ASSY DWG (JP1-JP12,J7)	SHUNT, 0.1" CENTER	Wurth Elektronik, 60900213421	17600
57	2		STENCILS FOR BOTH SIDES	DC2365A-2	2

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LTC2358ILX-18

Bill Of Materials

Demo Bd. 2365A2-A

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	220
1	1		DC2365A2-GENERAL BOM		1
2	1	R61	RES., CHIP, 0, 1/10W, 0402	YAGEO, RC0402FR-070RL	220
3	1	U1	I.C., 8-CH, LQFP48LX-7X7	LINEAR TECH., LTC2358ILX-18	220

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LTC2357ILX-18

Bill Of Materials

Demo Bd. 2365A2-B

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	90
1	1		DC2365A2-GENERAL BOM		1
2	1	R61	RES., CHIP, 0, 1/10W, 0402	YAGEO, RC0402FR-070RL	90
3	1	U1	I.C., 4-CH, LQFP48LX-7X7	LINEAR TECH., LTC2357ILX-18	90

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LTC2353ILX-18

Bill Of Materials

Demo Bd. 2365A2-C

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	90
1	1		DC2365A2-GENERAL BOM		1
2	1	R61	RES., CHIP, 0, 1/10W, 0402	YAGEO, RC0402FR-070RL	90
3	1	U1	I.C., 2-CH, LQFP48LX-7X7	LINEAR TECH., LTC2353ILX-18	90

Linear Technology Corporation

LTC2333ILX-18

Bill Of Materials

Demo Bd. 2365A2-D

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	90
1	1		DC2365A2-GENERAL BOM		1
2	1	R61	RES., CHIP, 0, 1/10W, 0402	YAGEO, RC0402FR-070RL	90
3	1	U1	I.C., 8-CH, LQFP48LX-7X7	LINEAR TECH., LTC2333ILX-18	90

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	120
1	1		DC2365A2-GENERAL BOM		1
2	0	R61	RES., 0402	OPT	0
3	1	U1	I.C., 8-CH, LQFP48LX-7X7	LINEAR TECH., LTC2358ILX-16	120

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LTC2357ILX-16

Bill Of Materials

Demo Bd. 2365A2-F

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	90
1	1		DC2365A2-GENERAL BOM		1
2	0	R61	RES., 0402	OPT	0
3	1	U1	I.C., 4-CH, LQFP48LX-7X7	LINEAR TECH., LTC2357ILX-16	90

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LTC2353ILX-16

Bill Of Materials

Demo Bd. 2365A2-G

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	90
1	1		DC2365A2-GENERAL BOM		1
2	0	R61	RES., 0402	OPT	0
3	1	U1	I.C., 2-CH, LQFP48LX-7X7	LINEAR TECH., LTC2353ILX-16	90

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LTC2333ILX-16

Bill Of Materials

Demo Bd. 2365A2-H

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Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	90
1	1		DC2365A2-GENERAL BOM		1
2	0	R61	RES., 0402	OPT	0
3	1	U1	I.C., 8-CH, LQFP48LX-7X7	LINEAR TECH., LTC2333ILX-16	90