

Linear Technology Corporation

LTC212XIUK-14 FAMILY

Bill Of Materials DC1974A3-GENERAL BOM

2/25/2015 2:00 PM

Item	Qty	Reference		Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	430
1	2	C1,C2	CAP., X5R, 1uF, 10V, 10%, 0402	AVX, 0402ZD105KAT2A	860
2	1	C3	CAP., TANT, 100uF 10V, 10%, 6032	AVX, TAJW107K010RNJ	430
3	1	C4	CAP., X7R, 47uF, 10V, 10%, 1210	MURATA, GRM32ER71A476KE15L	430
4	4	C5,C11,C25,C26	CAP., X5R, 2.2uF, 10V, 20%, 0603	AVX, 0603ZD225MAT2A	1720
5	7	C6,C33-C35,C50-C52	CAP., X7R, 0.01uF, 16V, 10%, 0402	AVX, 0402YC103KAT2A	3010
6	1	C7	CAP., X5R, 10uF 6.3V, 20%, 0805	AVX, 08056D106MAT2A	430
7	22	C10,C12-C24,C27-C32,C41,C53	CAP., X5R, 0.1uF, 10V, 10%, 0402	AVX, 0402ZD104KAT2A	9460
8	4	C37,C38,C39,C40	CAP., C0G, 47pF, 16V, 10%, 0402	AVX, 0402YA470KAT2A	1720
9	8	C42-C49	CAP., X7R, 1000pF, 50V, 10%, 0402	AVX, 04025C102KAT2A	3440
10	4	E1,E2,E3,E4	TESTPOINT, TURRET, .094"	MILL-MAX, 2501-2-00-80-00-00-07-0	1720
11	2	JP1,JP2	HEADER, HD1X3-079	SULLINS, NRPN031PAEN-RC	860
12	10	J1-J6,J9-J12	CON., SMA 50 OHM, EDGE-LAUNCH	EF JOHNSON, 142-0701-851	4300
13	0	J7,J8	CON., SMA 50 OHM, EDGE-LAUNCH	OPT	0
14	1	J13	BGA CONNECTOR, 40X10	SAMTEC, SEAM-40-02.0-S-10-2-A-K-TR	430
15	1	L1	RES., CHIP, 0 Ohm, 1206	VISHAY, CRCW12060000Z0EA	430
16	1	L2	FERRITE BEAD, 33 Ohm, 1206	Murata, BLM31PG330SN1L	430
17	0	L3	RES., 1206	OPT	0
18	2	R1,R59	RES., CHIP, 3.01K 1/16W, 1%, 0402	VISHAY, CRCW04023K01FKED	860
19	1	R2	RES., CHIP, 10K 1/16W, 1%, 0402	VISHAY, CRCW040210K0FKED	430
20	1	R4	RES., CHIP, 182K, 1/16W, 1%, 0402	VISHAY, CRCW0402182KFKED	430
21	4	R5,R24,R25,R58	RES., CHIP, 1K 1/16W, 1%, 0402	NIC, NRC04F1001TRF	1720
22	10	R6-R11,R32-R35	RES., CHIP, 24.9, 1/16W, 1%, 0402	VISHAY, CRCW040224R9FKED	4300
23	11	R12,R13,R15,R16,R18,R39, R40,R44,R45,R46,,R57	RES., CHIP, 0, 1/16W, 0402	NIC, NRC04Z0TRF	4730
					0
24	5	R14,R17,R41,R56,R61	RES., CHIP, 100 OHMS, 1/16W, 1%, 0402	NIC, NRC04F1000TRF	2150
25	0	R19-R23,R42,R43,R48-R55,R60	RES., 0402	OPT	0
26	2	R26,R29	RES., CHIP, 20 OHMS, 1/16W, 1%, 0402	NIC, NRC04F20R0TRF	860
27	2	R27,R28	RES., CHIP, 49.9, 1/16W, 1%, 0402	VISHAY, CRCW040249R9FKED	860
28	2	R30,R31	RES., CHIP, 300 OHMS, 1/16W, 1%, 0402	NIC, NRC04F3000TRF	860
29	3	R36,R37,R38	RES., CHIP, 4.99K 1/16W, 1%, 0402	VISHAY, CRCW04024K99FKED	1290
30	5	R47,R62,R63,R64,R65	RES., CHIP, 4.99, 1/16W, 1%, 0402	NIC, NRC04F4R99TRF	2150
31	2	R66,R67	RES., CHIP, 100 OHMS, 1/20W, 1%, 0201	NIC, NRC02F1000TRF	860
32	3	T1,T2,T3	XFMR, MABA-007159-000000	M/A-COM, MABA-007159-000000	1290
33	1	U2	I.C., LT3080EDD, DFN 3X3	LINEAR TECH., LT3080EDD	430
34	1	U3	I.C., LT1763CDE-3.3, DFN12DE-4X3	LINEAR TECH., LT1763CDE-3.3	430
35	1	U6	I.C. EEPROM 32KBIT 400KHZ, TSSOP8	MICROCHIP, 24LC32A-I/ST	430

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				NUMBER OF BOARDS =	430
36	1	U7	I.C., NC7WZ14P6X, SC70-6	FAIRCHILD SEMI., NC7WZ14P6X	430
37	1	U9	I.C., LTC6957IDD-2, DFN12DD-3X3	LINEAR TECH., LTC6957IDD-2	430
38	2	SHUNTS FOR JP1 AND JP2	SHUNT, 0.079" CENTER	SAMTEC, 2SN-BK-G	860
39	2	MH1,MH2	Screw, M3 Thread, #4-40x5/8"	KEYSTONE, 29316 (Do Not Install)	860
40	2	MH1,MH2	Standoff, Alum., M3 Thread,5.0 Hex, #4-40x1"	KEYSTONE, 24438 (Do Not Install)	860
41	2	STENCILS	STENCILS (TOP & BOTTOM)	DC1974A-3	2

<i>Assy Version</i>	<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
					NUMBER OF BOARDS =	430
B	1	1		DC1974A3-GENERAL BOM		1
	2	1	U1	I.C., 14-Bit, 250Msps, QFN48UK-7X7	LINEAR TECH., LTC2123IUK	215
C	1	1		DC1974A3-GENERAL BOM		1
	2	1	U1	I.C., 14-Bit, 170Msps, QFN48UK-7X7	LINEAR TECH., LTC2122IUK	215