

Linear Technology Corporation
LTC2498UHF/ LTC2449UHF

Bill Of Material
Demo Bd. #1410A3-GENERAL BOM
QTY- 75
1/31/2017 12:33 PM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	70
1	5	C1,C7,C8,C17,C18	CAP., 0.1uF, X7R, 16V, 10%, 0603	AVX, 0603YC104KAT2A	350
2	1	C2	CAP., 2.2uF, X5R, 16V, 10%, 0603	AVX, 0603YD225KAT2A MURATA, GRM188R61C225KE15D TDK, C1608X5R1C225K080AB	70
3	3	C3,C5,C21	CAP., 4.7uF, X5R, 16V, 10%, 0603	AVX, 0603YD475KAT2A TDK, C1608X5R1C475K080AC	210
4	3	C4,C6,C22	CAP., 0.01uF, X7R, 16V, 10%, 0603	AVX, 0603YC103KAT2A MURATA, GRM188R71C103KA01D	210
5	2	C9,C10	CAP., 22pF, C0G, 25V, 5%, 0603	AVX, 06033A220JAT2A	140
6	2	C19,C20	CAP., 10uF, X5R, 25V, 10%, 0805	MURATA, GRM219R61E106KA12D	140
7	2	D1,D2	DIODE, SCHOTTKY, 30V, 200mW, 200mA, SOT-23	DIODES INC., BAT54S-7-F	140
8	18	E1-E18	TEST POINT, TURRET, 0.064", MTG. HOLE	MILL-MAX, 2308-2-00-80-00-00-07-0	1260
9	3	JP1,JP2,JP3	CONN., HEADER, MALE, 1X3, 2mm, THT	Wurth Elektronik, 62000311121	210
10	2	J1,J4	CONN.,SOCKET STRIPS,RCPT.,1x8,2.54mm,THT, VERT.,Gold Plated	ADAM TECH., RS1-08-G-.561-A11596	140
11	1	J2	CONN.,SOCKET STRIPS,RCPT.,1x6,2.54mm,THT, VERT.,Gold Plated	ADAM TECH., RS1-06-G-.561-A11596	70
12	1	J3	CONN.,SOCKET STRIPS,RCPT.,1x10,2.54mm,THT, VERT.,Gold Plated	ADAM TECH., RS1-10-G-.561-A11596	70
13	1	J5	CONN.,SOCKET, FLEXIBLE ELEVATED,RCPT.,2x7,2mm,THT	SAMTEC, ESQT-107-02-F-D-518	70
14	3	R1,R4,R8	RES., 10k OHMS, 5%, 1/10W, 0603	VISHAY, CRCW060310K0JNEA PANASONIC, ERJ3GEYJ103V	210
15	2	R2,R3	RES., 20 OHMS, 5%, 1/10W, 0603	VISHAY, CRCW060320R0JNEA PANASONIC, ERJ3GEYJ200V	140
16	6	R5,R6,R28,R29,R32,R35	RES., 0 OHM, 1/10W, 0603	VISHAY, CRCW06030000Z0EA NIC, NRC06ZOTRF	420
17	3	R7,R13,R18	RES., 49.9 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060349R9FKEA PANASONIC, ERJ3EKF49R9V	210
18	3	R9,R10,R11	RES., 4.99k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06034K99FKEA NIC, NRC06F4991TRF	210
19	2	R12,R19	RES., 698 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603698RFKEA YAGEO, RC0603FR-07698RL	140
20	2	R14,R17	RES., 23.2 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060323R2FKEA	140

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				NUMBER OF BOARDS =	70
21	2	R15,R16	RES., 24.9 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060324R9FKEA	140
22	0	R20,R30,R31,R33,R34	RES., OPTION, 0603	OPT	0
23	1	U2	IC, MEMORY, EEPROM, 2K-bit, 400kHz, TSSOP-8	MICROCHIP, 24LC025-I/ST	70
24	1	U3	I.C., Low Drift Precision Reference, MSOP-8, 5V, 0.25ppm Noise	LINEAR TECH., LTC6655BHMS8-5#PBF	70
25	1	U4	I.C., ANALOG MUX/DEMUX DUAL 4X1, TSSOP-16, 174kB	ON SEMI., MC74HC4052ADTR2G	70
26	1	U5	I.C., Precision Op Amps, SO-8, Dual/Quad Low Noise,R-R	LINEAR TECH., LT1678CS8#PBF	70
27	3	SHUNTS ON JP1-JP3 PINS 1&2	CONN., SHUNT, FEMALE, 2-POS., 2mm	Wurth Elektronik, 60800213421	210
28	1	(FOR INVENTORY ONLY)	CABLE ASSY., 8" STRIP	MMT PRECISION CORP., CA-2440	70
29	2		STENCIL FOR BOTH SIDES	DC1410A-3	2

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	35
1	1		DC1410A3-GENERAL BOM		1
2	0	C11,C12,C15,C16	CAP., OPTION, 0603	OPT	0
3	2	C13,C14	CAP., 0.1uF, X7R, 16V, 10%, 0603	AVX, 0603YC104KAT2A	70
4	0	R21,R23	RES., OPTION, 0603	OPT	0
5	2	R22,R24	RES., 0 OHM, 1/10W, 0603	VISHAY, CRCW06030000Z0EA NIC, NRC06ZOTRF	70
6	2	R25,R26	RES., 1k OHMS, 5%, 1/10W, 0603	VISHAY, CRCW06031K00JNEA	70
7	1	U1	IC., 24-BIT,8/16-CH ADC, QFN38UHF-5X7	LINEAR TECH., LTC2498CUHF#P	35
8	0	U6	IC., SO8	OPT	0

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				NUMBER OF BOARDS =	35
1	1		DC1410A3-GENERAL BOM		1
2	2	C11,C12	CAP., 1000pF, C0G, 25V, 5%, 0603	AVX, 06033A102JAT2A	70
3	2	C13,C14	CAP., 0.01uF, X7R, 16V, 10%, 0603	AVX, 0603YC103KAT2A MURATA, GRM188R71C103KA01D	70
4	2	C15,C16	CAP., 0.1uF, X7R, 16V, 10%, 0603	AVX, 0603YC104KAT2A	70
5	2	R21,R23	RES., 2.49k OHMS, 1/10W 1%, 0603	VISHAY, CRCW06032K49FKEA	70
6	2	R22,R24	RES., 49.9 OHMS, 1/10W 1%, 0603	VISHAY, CRCW060349R9FKEA	70
7	0	R25,R26	RES., OPTION, 0603	OPT	70
8	1	U1	IC., 24-BIT,8/16-CH ADC, QFN38UHF-5X7	LINEAR TECH., LTC2449CUHF#PBF	35
9	1	U6	I.C., CMOS OP AMPS, SO8	LINEAR TECH., LTC6241HVCS8#PBF	35