

Linear Technology Corporation

LTC2270CUP

Bill Of Materials

Demo Bd. #1975A1-A

QTY- 150

3/27/2013 11:39 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	150
1	1	CN1	CAP, X5R, ARRAY, 2.2uF 20% 4V, 0508	AVX, W2L14D225MAT1A	150
2	2	C1,C5	CAP, 0402 2.2uF 20% 6.3V X5R	TAIYO YUDEN JMK105BJ225MV-F	300
3	0	C2,C3,C6,C12,C13,C14,C22,	CAP, 0402	OPT	0
4	5	C4,C8,C9,C11,C18	CAP, 0402 1uF 10% 16V X6S	TDK C1005X6S1C105K	750
5	6	C7,C10,C15,C16,C17,C19	CAP, 0402 0.01uF 10% 16V X7R	AVX 0402YC103KAT2A	900
6	5	C20,C21,C23,C30,C31	CAP, 0402 0.1uF 10% 10V X5R	TDK C1005X5R1A104K	750
7	12	C24-C29,C33-C38	CAP, 0603 0.1uF 10% 50V X7R	TDK C1608X7R1H104K	1800
8	3	C39,C40,C41	CAP, 0603 22pF 5% 16V NPO	AVX 0603YA220JAT2A	450
9	1	C42	CAP, 0603 4.7uF 20% 6.3V X5R	TDK C1608X5R0J475MT	150
10	4	C43,C45,C46,C48	CAP, 0603 1uF 10% 16V X7R	TDK C1608X7R1C105K	600
11	2	C44,C47	CAP, 0805 10uF 10% 16V X5R	MURATA GRM21BR61C106KE15L	300
12	6	JP1,JP2,JP3,JP4,JP5,JP6	HEADER, 3PIN, 2mm	SULLIN, NRPN031PAEN-RC	900
13	6	J1-J6	CONN, SMA 50-OHM EDGE-LAUNCH	E.F.JOHNSON, 142-0701-851	900
14	0	L1	IND, 0603 BEAD	TBD	0
15	3	L2,L3,L4	FERRITE BEAD, 1206	MURATA BLM31PG330SN1L	450
16	9	RN1-RN9	RES, THICK FILM ARRAY, 33 OHMS	VISHAY CRA04S08333R0JTD	1350
17	1	R1	RES, 0402 1K OHMS 5% 1/16W	VISHAY CRCW04021K00JNED	150
18	15	R2,R3,R7,R8,R11,R12,R17,R18	RES, 0402 0 OHMS JUMPER	NIC NRC04ZOTRF	2250
		R26,R27,R30,R35,R36,R37,C32			
19	10	R4,R5,R9,R10,R13,R16,R19,R20,R31,R33	RES, 0402 49.9 OHMS 1% 1/16W	NIC NRC04F49R9TRF	1500
20	3	R6,R24,R39	RES, 0402 100 OHMS 1% 1/16W	NIC NRC04F1000TRF	450
21	4	R14,R21,R22,R23	RES, 0402 4.99K OHMS 1% 1/16W	NIC NRC04F4991TRF	600
22	1	R15	RES, 0402 100K OHMS 5% 1/16W	NIC NRC04J104TRF	150
23	0	R25,R28,R29,R32,R34,R38	RES, 0402	OPT	0
24	1	R40	RES, 0603 10K OHMS 5% 1/10W	NIC NRC06J103TRF	150
25	5	R41,R42,R43,R44,R45	RES, 0603 1K OHMS 5% 1/10W	VISHAY CRCW06031K00JNED	750
26	2	R46,R48	RES, 0603 3K OHMS 1% 1/10W	VISHAY CRCW06033K00FKEA	300
27	1	R47	RES, 0603 180K OHMS 1% 1/10W	VISHAY CRCW0603180KFKEA	150
28	1	R49	RES, 0603 330K OHMS 1% 1/10W	VISHAY CRCW0603330KFKEA	150
29	7	TP1-TP7	TP, TURRETS, .094"	MILLMAX 2501-2-00-80-00-00-07-0	1050
30	1	T1	XFMR, 1:1, TRANS-MABA-007159	MACOM MABA-007159-000000	150
31	1	U1	IC, LTC2270CUP, QFN64UP-9X9	LINEAR TECH., LTC2270CUP	150

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				NUMBER OF BOARDS =	150
32	4	U2,U3,U5,U6	IC, 8-BIT DUAL VOLTAGE SUPPLY TRANSLATOR, MICROPAK-10	FAIRCHILD SEMI., FXLH42245MPX	600
33	1	U4	IC, 2-BIT DUAL VOLTAGE SUPPLY TRANSLATOR, MICROPAK-10	FAIRCHILD SEMI., FXL2T245L10X	150
34	1	U7	IC, ULP INVERTER, SC70-5	FAIRCHILD SEMI., NC7SP14P5X	150
35	1	U8	IC, EEPROM, TSSOP8	MICROCHIP TECH. 24LC025-I/ST	150
36	1	U9	IC, 8-BIT I/O EXPANDER, SSOP20G	NXP PCF8574TS/3	150
37	2	U10,U11	IC, Single Resistor Low Dropout Regulator,DFN8DD	LINEAR TECH. LT3080EDD	300
38	6	SHUNTS FOR JP1-JP6	SHUNT, 2mm	SAMTEC 2SN-BK-G	900
39	4	STANDOFF, SNAP ON		KEYSTONE_8831	600
40	2	STENCILS FOR BOTH SIDES		DC1975A-1	2