

Linear Technology Corporation

LTC6948IUFD-1/2/3/4

General Bill Of Materials

Demo Bd. #1959B-1

8/18/2015 4:07 PM

Item	Qty	Part Description		Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	450
1	0	CI2	CAP., 0805	OPT	0
2	5	C1,C8,C9,C15,C18	CAP., X7R, 1.0µF, 16V, 10%, 0603	TDK, C1608X7R1C105K	2250
3	2	C2,C10	CAP.,TANT., 330µF,10V, 10%, 7343	AVX, TPME337K010R0035	900
4	9	C3,C7,C17,C22,C23,C24,C25,C26,C27	CAP., X7R, 0.1µF, 10V, 10%, 0402	TDK, C1005X7R1A104K	4050
5	2	C6,C11	CAP., X5R, 1.0µF, 16V, 10%, 0402	TDK C1005X5R1C105K	900
6	3	C12,C13,C19	CAP., X7R, 0.01µF, 16V, 10%, 0402	AVX, 0402YC103KAT2A	1350
7	1	C16	CAP., X5R, 2.2µF, 16V, 10%, 0603	TDK, C1608X5R1C225K	450
8	0	C2_F2,C28	CAP., 0603	OPT	0
9	2	C20,C21	CAP., X7R, 100pF, 50V, 10%, 0402	AVX, 04025C101KAT2A	900
10	1	D1	LED, RED	PANASONIC, LN1251C-TR	450
11	1	E3	TURRET, Testpoint, 2501	MILL-MAX, 2501-2-00-80-00-00-07-0	450
12	1	JP1	HEADERS, 3 Pins 2mm Ctrs.	SAMTEC, TMM-103-02-L-S	450
13	3	J1,J4,J5	CON., SMA 50-OHM EDGE-LAUNCH	E.F. JOHNSON, 142-0701-851	1350
14	1	J2	CON., Header, 14 Pin, 2mm	MOLEX, 87831-1420	450
15	4	J6,J7,J8,J9	JACK, BANANA	KEYSTONE, 575-4	1800
16	2	L1,L2	IND., 68nH 5%, 0402	COILCRAFT, 0402HPH-68NXJLW	900
17	1	L1_F1	IND., 10uH, 0805	TDK, MLF2012E100K	450
18	0	L1_F2	IND., 0805	OPT	0
19	1	R1	RES., CHIP, 51.1 OHMS, 1/16W, 1%, 0402	NIC, NRC04F51R1TRF	450
20	0	R1_F2	RES., 0603	OPT	0
21	4	R2,R18,R19,R20	RES., CHIP, 0 OHM, 0402	NIC, NRC04Z0TRF	1800
22	1	R3	RES., CHIP, 330 OHMS, 1/16W, 1%, 0402	NIC, NRC04F3300TRF	450
23	1	R4	RES., CHIP, 15 OHMS, 1/16W, 1%, 0402	NIC, NRC04F15R0TRF	450
24	4	R5,R6,R7,R13	RES., CHIP, 200K, 1/16W, 1%, 0402	NIC, NRC04F2003TRF	1800
25	3	R8,R9,R14	RES., CHIP, 4.99K, 1/16W, 1%, 0402	NIC, NRC04F4991TRF	1350
26	4	R10,R11,R12,R21	RES., CHIP, 100 OHMS 1/16W, 5%, 0402	NIC, NRC04J101TRF	1800
27	1	R15	RES., CHIP, 0 OHM, 0603	NIC, NRC06Z0TRF	450
28	2	U2,U3	I.C., Dual Buffer, SC70-6	FAIRCHILD SEMI., NC7WZ17P6X	900
29	1	U4	I.C., Dual Transceiver, SOT363	NXP, 74LVC1T45GW+125	450
30	1	U5	I.C., Serial EEPROM, TSSOP8	MICROCHIP, 24LC025-I /ST	450
31	1	SHUNT ON JP1	SHUNT, 2mm Ctrs.	SAMTEC 2SN-BK-G	450
32	4	MH1-MH4	STANDOFF, NYLON, 0.5, 1/2"	KEYSTONE, 8833 (SNAP ON)	1800
33	2	STENCILS	STENCILS (TOP & BOTTOM)	DC1959B-1	2

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Bill Of Materials

Demo Bd. #1959B1-ABCD

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Assy Version	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	450
A	1		DC1959A2-GENERAL BOM		1
	1	C2_F1	CAP., C0G, 2.4nF, 50V, 5%, 0603	MURATA, GRM1885C1H242JA01D	100
	1	CI1	CAP., X7R, 82nF, 50V, 10%, 0603	MURATA, GRM188R71H823KA93D	100
	1	CP	CAP., C0G, 3.6nF, 50V, 5%, 0603	MURATA, GRM1885C1H362JA01D	100
	2	R1_F1,RZ	RES., CHIP, 57.6 OHMS, 1/16W, 1%, 0603	NIC, NRC06F57R6TRF	200
	1	U1	I.C. Synthesizer, QFN28UFD-4X5	LINEAR TECH., LTC6948IUFD-1	100
B	1		DC1959A2-GENERAL BOM		1
	1	C2_F1	CAP., C0G, 2nF, 50V, 5%, 0603	MURATA, GRM1885C1H202JA01D	125
	1	CI1	CAP., X7R, 68nF, 50V, 10%, 0603	MURATA, GRM188R71H683KA93D	125
	1	CP	CAP., C0G, 3nF, 50V, 5%, 0603	MURATA, GRM1885C1H302JA01D	125
	2	R1_F1,RZ	RES., CHIP, 63.4 OHMS, 1/16W, 1%, 0603	NIC, NRC06F63R4TRF	250
	1	U1	I.C. Synthesizer, QFN28UFD-4X5	LINEAR TECH., LTC6948IUFD-2	125
C	0		DC1959A2-GENERAL BOM		0
	0	C2_F1	CAP., X7R, 1.8nF, 50V, 10%, 0603	MURATA, GRM188R71H182KA01D	0
	0	CI1	CAP., X7R, 56nF, 50V, 10%, 0603	MURATA, GRM188R71H563KA93D	0
	0	CP	CAP., C0G, 2.4nF, 50V, 5%, 0603	MURATA, GRM1885C1H242JA01D	0
	0	R1_F1,RZ	RES., CHIP, 75 OHMS, 1/16W, 1%, 0603	NIC, NRC06F75R0TRF	0
	0	U1	I.C. Synthesizer, QFN28UFD-4X5	LINEAR TECH., LTC6948IUFD-3	0
D	1		DC1959A2-GENERAL BOM		1
	1	C2_F1	CAP., C0G, 1.6nF, 50V, 5%, 0603	MURATA, GRM1885C1H162JA01D	225
	1	CI1	CAP., X7R, 56nF, 50V, 10%, 0603	MURATA, GRM188R71H563KA93D	225
	1	CP	CAP., C0G, 2.4nF, 50V, 5%, 0603	MURATA, GRM1885C1H242JA01D	225
	2	R1_F1,RZ	RES., CHIP, 76.8 OHMS, 1/16W, 1%, 0603	NIC, NRC06F76R8TRF	450
	1	U1	I.C. Synthesizer, QFN28UFD-4X5	LINEAR TECH., LTC6948IUFD-4	225