

Linear Technology Corporation

LTC6946IUFD FAMILY

General Bill Of Materials

Demo Bd. #1705C-1

10/3/2014 7:46 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	110
1	4	C1,C8,C9,C18	CAP., X7R, 1.0µF, 16V, 10%, 0805	TDK, C2012X7R1C105K	440
2	2	C2,C10	CAP.,Tantalum, 330µF,10V, 10%, 7343	AVX, TPME337K010R0035	220
3	8	C3,C13,C17,C22,C23,C24,C25,C26	CAP., X5R, 0.1µF, 10V, 10%, 0402	TDK, C1005X5R1A104K	880
4	2	C6,C11	CAP., X5R, 1.0µF, 16V, 10%, 0402	TDK, C1005X5R1C105K	220
5	4	C7,C12,C15,C19	CAP., X7R, 0.01µF, 16V, 10%, 0402	AVX, 0402YC103KAT2A	440
6	1	C14	CAP., X7R 0.022µF 16V 10%, 0402	AVX 0402YC223KAT2A	110
7	1	C16	CAP., X7R, 2.2µF, 16V, 10%, 0805	TDK, C2012X7R1C225K	110
8	2	C20,C21	CAP.,NPO, 100pF, 50V, 5%, 0402	TDK, C1005C0G1H101J	220
9	1	D1	LED, RED	ROHM, SML-010VTT86L	110
10	1	E3	TURRET, Testpoint, 2501	MILL-MAX, 2501-2-00-80-00-00-07-0	110
11	1	JP1	HEADERS, 3 Pins 2mm Ctrs.	SAMTEC TMM-103-02-L-S	110
12	4	J1,J3,J4,J5	CON., SMA 50-OHM EDGE-LANCH	E.F. JOHNSON, 142-0701-851	440
13	1	J2	CON., Header, 14 Pin, 2mm	MOLEX, 87831-1420	110
14	4	J6,J7,J8,J9	JACK, BANANA	KEYSTONE, 575-4	440
15	2	L1,L2	IND, 68nH 5%, 0402	COILCRAFT, 0402HPH-68NXJLW	220
16	1	R1	RES., CHIP, 51.1 OHMS, 1/16W, 1%, 0402	NIC, NRC04F51R1TRF	110
17	1	R3	RES., CHIP, 330, 1/16W, 1%, 0402	NIC, NRC04F3300TRF	110
18	1	R4	RES., CHIP, 15 OHMS, 1/16W, 1%, 0402	NIC, NRC04F15R0TRF	110
19	4	R5,R6,R7,R13	RES., CHIP, 200K, 1/16W, 1%, 0402	NIC, NRC04F2003TRF	440
20	3	R8,R9,R14	RES., CHIP, 4.99K, 1/16W, 1%, 0402	NIC, NRC04F4991TRF	330
21	4	R10,R11,R12,R16	RES., CHIP, 100 1/16W, 5%, 0402	NIC, NRC04J101TRF	440
22	1	R15	RES., CHIP, 0 OHM, 0603	VISHAY, CRCW06030000Z0EA	110
23	2	U2,U3	I.C., Dual Buffer, SC70	FAIRCHILD SEMI., NC7WZ17P6X	220
24	1	U4	I.C., Dual Transceiver, SOT363	NXP, 74LVC1T45GW	110
25	1	U5	I.C., Serial EEPROM, TSSOP8	MICROCHIP, 24LC025-I /ST	110
26	1	SHUNT ON JP1 (2&3)	SHUNT, 2mm Ctrs.	SAMTEC 2SN-BK-G	110
27	4	MH1-MH4	STANDOFF, NYLON, 0.5, 1/2"	KEYSTONE, 8833 (SNAP ON)	440
28	2		STENCILS (TOP & BOTTOM)	DC1705C-1	2

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LTC6946IUFD-1

Bill Of Materials

Demo Bd. #1705C1-A

10/3/2014 7:46 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	0
1	1		GENERAL BOM	DC1705C-1	0
2	1	CI1	CAP., X7R 0.022μF 50V 5% 0603	AVX 06035C223JAT2A	0
3	1	CI2	CAP., COG 6800pF 50V 5% 0805	MURATA GRM2195C1H682JA01D	0
4	1	CP	CAP., COG 2700pF 50V 5% 0603	MURATA GRM1885C1H272JA01D	0
5	1	RZ	Res., CHIP, 453, 1/10W 1%, 0603	NIC, NRC06F4530TRF	0
6	1	U1	I.C. Synthesizer, QFN28UFD-4X5	LINEAR TECH., LTC6946IUFD-1	0

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	0
1	1		GENERAL BOM	DC1705C-1	0
2	1	CI1	CAP., X7R 0.022μF 50V 5% 0603	AVX 06035C223JAT2A	0
3	1	CI2	CAP., COG 6800pF 50V 5% 0805	MURATA GRM2195C1H682JA01D	0
4	1	CP	CAP., COG 2700pF 50V 5% 0603	MURATA GRM1885C1H272JA01D	0
5	1	RZ	Res., CHIP, 453, 1/10W 1%, 0603	NIC, NRC06F4530TRF	0
6	1	U1	I.C. Synthesizer, QFN28UFD-4X5	LINEAR TECH., LTC6946IUFD-2	0

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	0
1	1		GENERAL BOM	DC1705C-1	0
2	1	CI1	CAP., X7R 0.022μF 50V 5% 0603	AVX 06035C223JAT2A	0
3	1	CI2	CAP., COG 6800pF 50V 5% 0805	MURATA GRM2195C1H682JA01D	0
4	1	CP	CAP., COG 2700pF 50V 5% 0603	MURATA GRM1885C1H272JA01D	0
5	1	RZ	Res., CHIP, 453, 1/10W 1%, 0603	NIC, NRC06F4530TRF	0
6	1	U1	I.C. Synthesizer, QFN28UFD-4X5	LINEAR TECH., LTC6946IUFD-3	0

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	110
1	1		GENERAL BOM	DC1705C-1	1
2	1	CI1	CAP., X7R 0.01µF 50V 5% 0603	AVX 06035C103JAT2A	110
3	1	CI2	CAP., COG 0.01µF 50V 5% 0805	MURATA GRM2195C1H103JA01	110
4	1	CP	CAP., COG 1500pF 50V 5% 0603	MURATA GRM1885C1H152JA01D	110
5	1	RZ	Res., CHIP, 536, 1/10W 1%, 0603	NIC, NRC06F5360TRF	110
6	1	U1	I.C. Synthesizer, QFN28UFD-4X5	LINEAR TECH., LTC6946IUFD-4	110