

Linear Technology Corporation

LTC6945IUFD

Bill Of Materials

Demo Bd. #1649A-4

QTY- 325

9/30/2011 11:06 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	325
1	0	CI1_P,CI1_A,C27,C32,CP_A	OPT., 0603		0
2	0	CI2_A	OPT., 1206		0
3	1	CI2_P	Cap., C0G, 0.1µF, 50V, 5%, 1206	MURATA, GRM31C5C1H104JA01L	325
4	1	CP_P	Cap., X7R, 8200pF, 50V, 10%, 0603	MURATA, GRM188R71H822KA01D	325
5	3	C1,C19,C33	Cap., TANT., 47µF, 35V, 10%, 7361	AVX, TAJV476K035RNJ	975
6	4	C2,C6,C21,C35	Cap., X7R, 0.1µF, 50V, 10%, 0805	AVX, 08055C104KAT2A	1300
7	2	C3,C16	Cap., TANT., 330µF, 10V, 10%,7343	AVX, TPME337K010R0035	650
8	10	C4,C11,C17,C24,C30,C36,C39,C41,C43,C44	Cap., X5R, 0.1µF, 10V, 10%, 0402	AVX, 0402ZD104KAT2A	3250
9	4	C5,C12,C18,C31	Cap., X5R, 1.0µF, 10V, 10%, 0402	AVX, 0402ZD105KAT2A	1300
10	1	C7	Cap., TANT., 47µF, 20V, 10%, 7343	AVX, TAJD476K020RNJ	325
11	2	C8,C15	Cap., X7R, 470pF, 50V, 10%, 0402	AVX, 04025C471KAT2A	650
12	3	C23,C34,C45	Cap., X7R, 0.01µF, 16V, 10%, 0402	AVX, 0402YC103KAT2A	975
13	0	C25,C28	OPT., 0402		0
14	5	C26,C29,C37,C38,C42	Cap., NPO,100pF,16V, 10%, 0402	AVX, 0402YA101KAT2A	1625
15	1	D1	LED, RED	PANASONIC, LN1251CTR	325
16	10	E3,E6,E11-E18	Turret, Testpoint, 2501	MILL-MAX, 2501-2-00-80-00-00-07-0	3250
17	1	JP1	Headers, 3 Pins 2mm Ctrs.	SAMTEC TMM-103-02-L-S	325
18	1	XJP1	Shunt, 2mm Ctrs.	SAMTEC 2SN-BK-G	325
19	5	J1,J2,J5,J6,J7	CON., SMA 50-OHM EDGE-LAUNCH	E.F.JOHNSON, 142-0701-851	1625
20	0	J3,J4	CON., SMA 50-OHM Straight Mount	OPT	0
21	1	J8	CON., Header, 14 Pin, 2mm	MOLEX, 87831-1420	325
22	4	J9,J10,J11,J12	JACK, BANANA	KEYSTONE, 575-4	1300
23	0	L1	OPT., 0402		0
24	2	L2,L3	IND., Wirebound, 68nH, +/- 5%, 0402	COILCRAFT, 0402HPH-68NXJL	650
25	1	RZ_P	RES., CHIP, 806, 1/10W, 1%, 0603	VISHAY, CRCW0603806RFKEA	325
26	5	R1,R2,R25,R26,R27	RES., CHIP, 4.99K, 1/16W, 1% 0402	VISHAY, CRCW04024K99FKED	1625
27	1	R4	RES., CHIP, 330, 1/16W, 1% 0402	VISHAY, CRCW0402330RFKEA	325
28	1	R5	RES., CHIP, 51.1, 1/16W, 1% 0402	VISHAY, CRCW040251R1FKED	325
29	4	R7,R8,R18,R19	RES., CHIP, 200K, 1/16W, 1% 0402	VISHAY, CRCW0402200KFKED	1300
30	4	R9,R10,R14,R16	RES., CHIP, 0 OHM, 0603	VISHAY, CRCW06030000Z0EA	1300
31	3	R12,R21,R22	RES., CHIP, 100, 1/16W, 1% 0402	VISHAY, CRCW0402100RFKEA	975
32	0	R13,R15,R17,RZ_A	OPT., 0603		0
33	0	R23,R24	RES., CHIP, 0402 OPT		0
34	1	U1	I.C. LTC6945IUFD, QFN28UFD	LINEAR TECH. CORP., LTC6945IUFD	325
35	1	U2	Low Noise AMP, S0-8	LINEAR TECH. CORP., LT1678CS8#PBF	325

Linear Technology Corporation

LTC6945IUFD

Bill Of Materials

Demo Bd. #1649A-4

QTY- 325

9/30/2011 11:06 AM

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	325
36	1	U3 (1rl+1tape, PbF)	Voltage Controlled Oscillator-VC0	CRYSTEK, CVCO55CL-0902-0928	325
37	0	U4	Crystal Oscillator, OPT		0
38	2	U5,U6	I.C., Dual Buffer SC-70 6-Lead	Fairchild Semi., NC7WZ17P6X	650
39	1	U7	I.C., Dual Transceiver SC-70 6 Lead	NXP, 74LVC1T45GW	325
40	1	U8	I.C., Serial EEPROM TSSOP-8	MICROCHIP, 24LC32A-I/ST	325
41	4	4 CORNERS	STANDOFF, NYLON, 0.50, 1/2"	KEYSTONE, 8833 (SNAP ON)	1300
42	2		STENCILS (TOP & BOTTOM)	STENCIL DC1649A-4	2

Linear Technology Corporation

LTC6945IUFD

Bill Of Materials
Demo Bd. #1649A4-A
QTY- 325
9/30/2011 11:06 AM

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	325
1	1	GENERAL BOM	DC1649A-4		1
2	1	U3 (1rl+1tape, PbF)	IC, Voltage Controlled Oscillator-VC0	CRYSTEK, CVCO55CL-0902-0928	325