

Item	Qty	Part Description		Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>296</b>
1	1	CI1	CAP., X7R, 68nF, 50V, 10%, 0603	Murata, GRM188R71H683KA93D	296
2	0	CI2	CAP., 0805	OPT	0
3	1	CP	CAP., X7R, 1200pF, 50V, 10%, 0603	Murata, GRM188R71H122KA01D	296
4	7	C1,C9,C13,C19,C45,C50,C51	CAP., X7R, 0.01µF, 16V, 10%, 0402	AVX, 0402YC103KAT2A	2072
5	1	C2	CAP., X7R, 820pF, 50V, 10%, 0603	Murata, GRM188R71H821KA01	296
6	1	C3	CAP., X5R, 470nF, 10V, 10%, 0402	AVX, 0402ZD474KAT2A	296
7	19	C4,C6,C10,C11,C14-C17,C38-C42,C44, C53,C58,C62,C71,C72	CAP., X7R, 0.1µF, 10V, 10%, 0402	AVX, 0402ZC104KAT2A	5624
8	2	C5,C46	CAP., X7R, 1.0µF, 16V, 10%, 0603	TDK, C1608X7R1C105K	592
9	12	C7,C8,C12,C18,C21,C30-C35,C37	CAP., X5R, 1.0µF, 16V, 10%, 0402	AVX, 0402YD105KAT2A	3552
10	0	C20,C23,C36,C54,C55,C59,C60,C63-C68	CAP., 0402	OPT	0
11	7	C22,C43,C49,C52,C57,C61,C70	CAP., X7R, 10µF, 25V, 10%, 1206	MURATA, GRM31CR71E106KA12L	2072
12	6	C24-C29	CAP., X7R, 0.01µF, 6.3V, 10%, 0201	AVX, 02016C103KAT2A	1776
13	3	C47,C48,C69	CAP.,TANT., 330µF,10V, 10%, 7343	AVX, TPME337K010R0035	888
14	0	C56	CAP., 1206	OPT	0
15	1	D1	LED, RED, LED-ROHM-SML-01	ROHM, SML-012V8TT86	296
16	3	D2,D3,D4	LED, GREEN, LED-ROHM-SML-01	ROHM, SML-012P8TT86	888
17	1	D5	LED, YELLOW, LED-ROHM-SML-01	ROHM, SML-012Y8TT86	296
18	12	E1-E12	TURRET, TESTPOINT 0.064"	MILL-MAX, 2308-2-00-80-00-00-07-0	3552
19	3	JP1,JP2,JP3	JMP, HD1X3, .079CC	SULLINS, NRPN031PAEN-RC	888
20	13	J1-J13	CONN., SMA 50-OHM EDGE-LAUNCH	EMERSON, 142-0701-851	3848
21	1	J14	CON., Header, 14 Pin, 2mm	MOLEX, 87831-1420	296
22	2	J15,J16	JACK, BANANA	KEYSTONE, 575-4	592
23	1	L1	IND., 0 Ohm, 0805	VISHAY, CRCW08050000Z0EA	296
24	8	L2-L9	IND, FERRITE BEAD, L-0603LS-1608	TAIYO YUDEN, FBMH1608HL331-T	2368
25	2	R1,RZ	RES., CHIP, 63.4, 1%, 0603	VISHAY, CRCW060363R4FKEA	592
26	0	R2,R5-R7,R10,R11,R14,R16,R18,R20, R22-R24,R53,R54	RES., 0402	OPT	0
27	6	R3,R4,R8,R17,R19,R55	RES., CHIP, 0, 0402	VISHAY, CRCW04020000Z0EA	1776
28	1	R9	RES., CHIP, 10, 1/16W, 1%, 0402	VISHAY, CRCW04210ROFKED	296
29	3	R12,R39,R42	RES., CHIP, 280 1/16W, 5%, 0402	NIC, NRC04J281TRF	888
30	1	R13	RES., CHIP, 1K, 1/16W, 1%, 0402	NIC, NRC04F1001TRF	296
31	1	R15	RES., CHIP, 330, 1/16W, 1%, 0402	NIC, NRC04F3300TRF	296

**Linear Technology Corporation**  
**LTC6951IUHF/-1**

**Bill Of Materials**  
**DC2248A2-GENERAL BOM**  
3/7/2016 9:01 AM

Item	Qty	Part Description		Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>296</b>
32	3	R21,R36,R47	RES., CHIP, 0, 0603	NIC, NRC06Z0TRER	888
33	1	R25	RES., CHIP, 200 1/16W, 5%, 0402	NIC, NRC04J201TRF	296
34	1	R26	RES., CHIP, 49.9, 1/16W, 1%, 0402	NIC, NRC04F49R9TRF	296
35	4	R27,R31,R32,R38	RES., CHIP, 200K, 1/16W, 1%, 0402	NIC, NRC04F2003TRF	1184
36	4	R28,R29,R30,R37	RES., CHIP, 100 1/16W, 5%, 0402	NIC, NRC04J101TRF	1184
<b>37</b>	<b>5</b>	<b>R33,R34,R35,R51,R52</b>	<b>RES., CHIP, 4.99K, 1/16W, 1%, 0402</b>	<b>NIC, NRC04F4991TRF</b>	<b>1480</b>
38	1	R40	RES., CHIP, 17.8K, 1/16W, 1%, 0402	NIC, NRC04F1782TRF	296
39	3	R41,R45,R50	RES., CHIP, 10K, 1/16W, 1%, 0402	VISHAY, CRCW040210KOFKED	888
40	1	R43	RES., CHIP, 619 1/16W, 1%, 0402	NIC, NRC04F6190TRF	296
41	1	R44	RES., CHIP, 31.6K, 1/16W, 1%, 0402	NIC, NRC04F3162TRF	296
42	2	R46,R48	RES., CHIP, 1M, 1/16W, 1%, 0402	NIC, NRC04F1004TRF	592
43	1	R49	RES., CHIP, 17.4K, 1/16W, 1%, 0402	NIC, NRC04F1742TRF	296
44	1	SW1	SWITCH, SLIDE SPDT 30V 0.2A, SW-EG1218	E-SWITCH, EG1218	296
45	1	U2	I.C., 100MHz OSCILLATOR, OSC-VCXO/CVS575S	CRYSTEK, CCHD-575-25-100.00	296
46	2	U3,U4	I.C., Dual Buffer, SC70-6	FAIRCHILD SEMI., NC7WZ17P6X	592
47	1	U5	I.C., Single Bit, Dual Supply, 3-State Output, SOT363	NXP SEMI., 74LVC1T45GW	296
48	1	U6	I.C., Serial EEPROM, TSSOP8	MICROCHIP, 24LC025-I /ST	296
49	1	U7	I.C., 300mA LOW NOISE LDO REGULATOR, MS8	LINEAR TECH., LT1962EMS8	296
50	1	U8	I.C., REG LDO ADJ 0.75A/0.25A, QFN28UFD-4X5	LINEAR TECH., LT3030EUFD	296
51	1	U9	I.C., DUAL 2-INPUT POSITIVE-NAND GATE,US8	TI, SN74LVC2G00DCU	296
52	3	SHUNT ON JP1-JP3 PINS 1&2	SHUNT, 2mm Ctrs.	SAMTEC 2SN-BK-G	888
53	4	MH1-MH4	STANDOFF, NYLON, 0.5, 1/2"	KEYSTONE, 8833 (SNAP ON)	1184
54	2		STENCILS (TOP & BOTTOM)	DC2248A-2	2

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	148
1	1		DC2248A2-GENERAL BOM		1
2	1	U1	I.C., QFN40UHF-5X7	LINEAR TECH., LTC6951IUHF	148

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	148
1	1		DC2248A2-GENERAL BOM		1
2	1	U1	I.C., QFN40UHF-5X7	LINEAR TECH., LTC6951IUHF-1	148