

ANALOG DEVICES

LTC2949HLXE

Bill Of Materials
DC2732A2-GENERAL BOM
11/7/2018 9:57 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	250
1	2	C1,C3	CAP., 33pF, C0G, 50V, 5%, 0603	MURATA, GRM1885C1H330JA01D	500
2	12	C2,C12,C15-C18,C21-C25,C38	CAP., 0.1uF, X7R, 50V, 10%, 0603	MURATA, GRM188R71H104KA93D	3000
3	4	C4-C7	CAP., 0.1uF, X7R, 25V, 10%, 0402	MURATA, GRM155R71E104KE14D	1000
4	2	C8,C9	CAP., 1uF, X7R, 4V, 10%, 0402	MURATA, GRM155R70G105KA12D	500
5	8	C10,C11,C27-C30,C37,C39	CAP., 1uF, X7R, 16V, 10%, 0603	MURATA, GRM188R71C105KA12D	2000
6	3	C13,C41,C42	CAP., 0.01uF, X7R, 16V, 10%, 0603	MURATA, GRM188R71C103KA01D	750
7	0	C14,C19,C20	CAP., 0603	OPT	0
8	1	C26	CAP., 15pF, C0G, 50V, 5%, 0603	MURATA, GRM1885C1H150JA01D	250
9	2	C31,C36	CAP., 10uF, X7R, 25V, 10%, 0805	MURATA, GCJ21BR71A106KE01L	500
10	0	C32	CAP., 10uF, X7R, 25V, 10%, 0805	OPT	0
11	1	C33	CAP., 68pF, C0G, 50V, 5%, 0603	MURATA, GRM1885C1H680JA01D	250
12	1	C34	CAP., 47uF, X7R, 25V, 20%, 1206	MURATA, GRM31CR61E476ME44L	250
13	0	C35	CAP., 0.01uF, X7R, 16V, 10%, 0603	OPT	0
14	2	C44,C45	CAP., 2200pF, X7R, 50V, 10%, 0603	MURATA, GRM188R71H222KA01D	500
15	1	D1	DIODE, SCHOTTKY, 40V 1A, SOD123W	NEXPERIA, PMEG4010ETR,115	250
16	1	D2	LED, GREEN, CLEAR, 3020 (1208)	ROHM, SML-012P8TT86	250
17	1	D3	LED, RED, CLEAR, 3020 (1208)	ROHM, SML-012V8TT86	250
18	2	D4,D5	DIODE, SCHOTTKY, DUAL SERIAL, SOD123	DIODE INC., BAS70-04-7-F	500
19	1	D6	DIODE, SCHOTTKY, DUAL ANODE, SOD123	DIODE INC., BAS70-06-7-F	250
20	24	E1-E24	TEST POINT, TURRET, 0.064", MTG. HOLE	MILL-MAX, 2308-2-00-80-00-00-07-0	6000
			FERRITE BEAD, 2kOHMz, 0.3A, 0805	LAIRD-SIGNAL INTERGRITY PRODUCTS, HZ0805C202R-10	250
21	1	FB1			
22	10	JP1-JP10	CONN., HDR, MALE, 1x3, 2mm, THT, STR	Wurth Elektronik, 62000311121	2500
23	1	JP11	CONN., HDR, MALE, 1x4, 2mm, THT, STR	Wurth Elektronik, 62000411121	250
24	2	J1,J2	CONN., MODULAR/ETHERNET,RJ45-TE-5406298-1	TE CONNECTIVITY, 5406298-1	500
25	1	J3	CONN., HDR, MALE, 2x8, 2.54mm, THT, RA	Wurth Elektronik, 61301621021	250
26	1	J4	CONN., HDR., MALE, 2x7, 2mm, THT, VERT	MOLEX, 87831-1420	250
27	0	J5	CONN., HDR, MALE, 1x3, 2.54mm, THT, STR	OPT	0
28	0	J6,J7	CONN., HDR, MALE, 1x2, 2.54mm, THT, STR	OPT	0
29	0	J8,J9	CONN., HDR, MALE, 1x4, 2.54mm, THT, STR	OPT	0
30	2	Q1,Q2	XTOR, N-CH, ENHANCEMENT MODE FIELD, SOT23	DIODE INC., BSS138-7-F	500
31	2	R1,R2	RES., NTC THERMISTOR, 100K OHMS, 1%, 0603	TDK, NTCG164KF104FT1	500
32	2	R3,R4	RES., PRECISION, 100K OHMS, 0.1%, 50ppm, 0603	PANASONIC, ERJ-PB3B1003V	500
33	1	R5	RES., 100 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603100RFKEA	250
34	10	R6,R7,R13,R25-R27,R31,R33-R35	RES., 10k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060310K0FKEA	2500
35	2	R8,R9	RES., 0 OHM, 1/10W, 0603	VISHAY, CRCW06030000Z0EA	500

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				NUMBER OF BOARDS =	250
36	1	R10	RES., 402 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603402RFKEA	250
37	1	R11	RES., 4.7k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06034K70FKEA	250
38	2	R12,R14	RES., 1k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06031K00FKEA	500
39	1	R15	RES., 68.1 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060368R1FKEA	250
40	1	R16	RES., 430k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603430KFKEA	250
41	1	R17	RES., 348k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603348KFKEA	250
42	1	R18	RES., 102k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603102KFKEA	250
43	2	R19,R20	RES., 1.5k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06031K50FKEA	500
44	1	R21	RES., 127k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603127KFKEA	250
45	0	R22	RES., 100k OHMS, 1%, 1/10W, 0603	OPT	0
46	1	R23	RES., 270k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603270KFKEA	250
47	0	R24	RES., 4.7k OHMS, 1%, 1/10W, 0603	OPT	0
48	1	R28	RES., 1.4k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06031K40FKEA	250
49	2	R29,R30	RES., 150k OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603150KFKEA	500
50	2	R32,R36	RES., 1M OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06031M00FKEA	500
51	1	T1	XFMR, TRANS-WE-750317011	Wurth Elektronik, 750317011	250
52	1	T2	XFMR,1000 OHM,100MHz,50V,25%, -40 to 125C,TRANS-ICM1206	Wurth Elektronik, 744232102	250
53	1	T3	XFMR, CUSTOM, TRANS-L00-3421	BH ELECTRONICS, L00-3421	250
54	1	T4	XFMR, CUSTOM	Wurth Elektronik, 750317269	250
55	1	U1	IC., ISOLATED BATTERY METER, LQFP48LXE-7X7	ANALOG DEVICES, LTC2949HLXE	250
56	1	U2	IC., 4-KBIT SERIAL I2C BUSS EEPROM, TSSOP8	STMICROELECTRONICS, M24C04-DRDW8TP/K	250
57	1	U3	IC., ISOLATED FLYBACK CONVERTER, TSOT23-5	ANALOG DEVICES, LT8301HS5	250
58	0	U4	IC., LT3060HTS8, TS8	OPT	0
59	1	U5	IC., MICROPOWER, LOW VOLTAGE, TSOT23-6	ANALOG DEVICES, LT6700HVHS6-3	250
60	1	U6	IC., MEMORY, EEPROM, 2Kb (256x8), TSSOP8	MICROCHIP, 24LC025-I /ST	250
61	1	Y1	XTAL, LOW PROFILE, 4MHz 18PF, -40~+125C, Y-ABRACON-ABLS2	ABRACON LLC, ABLS2-4.000MHZ-K4Y-T	250
62	6	MH1-MH6	STANDOFF, HEX, NYLON, 4-40, 1.00"	KEYSTONE, 8440G	1500
63	6	MH1-MH6	SCREW, NYLON, 4-40, 1/2"	KEYSTONE, 9329	1500
64	2	CABLE LUG	CABLE LUG	Wurth Elektronik, 5580825	500
65	2	FOR CABLE LUG	SCREW, M8 X 18 HEX HEAD Stainless Steel 316	OLANDER, .8C18HHD3	500
66	2	FOR CABLE LUG	WASHER, M8 FLAT Stainless Steel 316	OLANDER, .8NFLW3	500
67	2	FOR CABLE LUG	WASHER, M8 SPLIT LOCK Stainless Steel 316	OLANDER, .8NSLW3	500
68	2	FOR CABLE LUG	NUT, M8 HEX Stainless Steel 316	OLANDER, .8CHNT3	500
69	2	STENCILS	TOOL, STENCIL, DC2732A-2	ANALOG DEVICES, DC2732A-2	2

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				NUMBER OF BOARDS =	250
70	1	FOR CUSTOMER USE ONLY	CABLE, 1FT PATCH, CAT6, BLACK 24AWG, RJ45, 8 POS to 8 POS	ASSMANN WSW COMPONENTS, INC., DK-1611-001/BL	250
71	1	FOR CUSTOMER USE ONLY	CABLE, FLAT RIBBON, 14 COND. 1MM, 28AWG	ANALOG DEVICES, CA-2440-31810	250
72	11	JP1-JP11	CONN., SHUNT, FEMALE, 2 POS, 2mm	Würth Elektronik, 60800213421	2750

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Bill Of Materials
DC2732A2-ABC
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Items	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
DC2732A2-A			NUMBER OF BOARDS = 100		
1	1		DC2732A1-GENERAL BOM		1
2	1	RSNS1	RES., PRECISION, 0.1mOHM, 5%, 30W, TINNED, SOLDER TO BOARD	ISOTEK, BAS-M-R0001-R-5.0	100
DC2732A2-B			NUMBER OF BOARDS = 100		
1	1		DC2732A1-GENERAL BOM		1
2	1	RSNS1	RES., PRECISION, 0.05mOHM, 5%, 20W, UNTINNED,, SOLDER TO BOARD	ISOTEK, BAS-M-R00005-AEU-5.0	100
DC2732A2-C			NUMBER OF BOARDS = 50		
1	1		DC2732A1-GENERAL BOM		1
2	1	RSNS1	RES., PRECISION, 0.2mOHM, 5%, 10W, TINNED, SCREW TO BOARD	ISOTEK, BAS-M-R0002-R-5.0	50
3	2	FOR RSNS1	SCREW, M3-.5 X 10 HEX HD SST RoHS	OLANDER, .3C10HHD3	100
4	4	FOR RSNS1	WASHER, M3 F/W (3.2-7.0-0.5) SST	OLANDER, .3NFLW3	200
5	2	FOR RSNS1	WASHER, M3 SPLIT L/W SST	OLANDER, .3NSLW3	100
6	2	FOR RSNS1	NUT, M3-.5 HEX NUT SST	OLANDER, .3CHNT3	100