

Linear Technology Corporation

LTC2945CUD

Bill Of Materials

Demo Bd. #1697A-4

3/30/2016 11:50 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	425
1	1	C1	CAP., 0.1uF, X7R, 100V, 10%, 1206	AVX, 12061C104KAT2A	425
2	1	C2	CAP., 1000pF, X7R, 100V, 10%, 0603	AVX, 06031C102KAT2A MURATA, GRM188R72A102KA01D	425
3	2	C3,C4	CAP., 0.1uF, X5R, 25V, 10%, 0603	AVX, 06033D104KAT2A	850
4	1	D1	DIODE, TVS, 75V, 400W, SMA, UNIDIRECT	DIODES INC., SMAJ75A-13-F	425
5	1	D2	LED, GREEN, NON-DIFFUSED, SMD PLCC-2(B-SIZE)	VISHAY, VLMS3101-GS08	425
6	1	D3	LED, SUPER RED, NON-DIFFUSED, SMD PLCC-2(B-SIZE)	VISHAY, VLMS3000-GS08	425
7	4	E1,E2,E3,E4	TEST POINT, TURRET, 0.094", MTG. HOLE	MILL-MAX, 2501-2-00-80-00-00-07-0	1700
8	10	E5-E14	TEST POINT, TURRET, 0.064", MTG. HOLE	MILL-MAX, 2308-2-00-80-00-00-07-0	4250
9	1	JP1	CONN., HDR., MALE, 2x3, 2mm, THT, STRT	SULLINS, NRPN032PAEN-RC	425
10	1	JP2	CONN., HDR., MALE, 1X3, 2mm, THT, STRT	SULLINS, NRPN031PAEN-RC	425
11	2	JP3,JP4	CONN., HDR., MALE, 1X4, 2mm, THT, STRT	SULLINS, NRPN041PAEN-RC	850
12	1	J1	CONN., HDR., SHROUDED, MALE, 2x7, 2mm, THT, VERT	MOLEX, 87831-1420	425
13	1	Q1	XSTR., MOSFET, N-CH, 60V, 210mA, SOT-23	DIODES INC., 2N7002-7-F	425
14	1	R1	RES., 0.02 OHM, 1%, 1W, 2010, SENSE	TT ELECTRONICS, LRF2010LF-01-R020-F	425
15	1	R2	RES., 51 OHMS, 5%, 1/10W, 0603	VISHAY, CRCW060351R0JNEA	425
16	1	R3	RES., 10k OHMS, 5%, 1/10W, 0603	VISHAY, CRCW060310K0JNEA PANASONIC, ERJ3GEYJ103V	425
17	0	R4,R5 (OPT)	RES., OPTION, 0603	OPT.	0
18	3	R6,R7,R8	RES., 5.1k OHMS, 5%, 1/10W, 0603	VISHAY, CRCW06035K10JNEA	1275
19	2	R9,R10	RES., 3.3k OHMS, 5%, 1/10W, 0603	VISHAY, CRCW06033K30JNEA NIC, NRC06J332TRF PANASONIC, ERJ3GEYJ332V	850
20	0	TP1 (OPT)	CONN., HDR., MALE, 1X2, 2mm, THT, STRT	SULLINS, NRPN021PAEN-RC	0
21	1	U1	IC, Wide Range I2C Power Monitor, QFN-12(UD)	LINEAR TECH., LTC2945CUD#PBF	425
22	1	U2	IC, MEMORY, EEPROM, 2K-bit, 400kHz, TSSOP-8	MICROCHIP, 24LC025-I/ST	425
23	4	XJP1,XJP2,XJP3,XJP4	CONN., SHUNT, FEMALE, 2 POS, 2mm	SAMTEC 2SN-BK-G	1700
24	4	MH1,MH2,MH3,MH4	STANDOFF, NYLON, SNAP-ON, 0.250"	KEYSTONE 8831	1700
25	1		STENCIL	STENCIL 1697A-4	1