

Linear Technology Corporation
LTC2500IDKD-32

Bill Of Materials
Demo Bd. # 2390A4-A

12/12/2016 6:08 PM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	75
1	1	CSS1	CAP., X5R 0.33μF 10V 10% 0603	MURATA, GRM188R61A334KA61D	75
2	33	C1,C2,C6,C8,C9,C13,C15-C18,C21-C24, C27-C29,C32,C34,C36,C39,C41, C42,C48,C54,C57,C59,C60,C63, C66,C67,C73,C132	CAP., X7R, 0.1uF, 16V 10% 0603	MURATA, GRM188R71C104KA01D	2475
3	0	C3,C7,C10,C14,C40,C45,C47,C49-C53,C65, C70,C72,C74-C78,C137,C143,C144	CAP., 0603	OPT	0
4	2	C4,C12	CAP., NP0, 20pF 50V 5% 0603	MURATA, GRM1885C1H200JA01D	150
5	2	C5,C11	CAP., NP0, 100pF 25V 10% 0603	AVX 06033A101KAT2A	150
6	10	C19,C20,C25,C26,C107,C118,C121, C122,C133,C135	CAP., X7R, 1uF, 25V 10% 0603	MURATA, GRM188R71E105KA12D	750
7	2	C30,C55	CAP., X5R, 2.2uF, 10V 10% 0603	MURATA, GRM188R61A225KE34D	150
8	19	C31,C56,C103,C108,C115,C117,C120,C145-C156	CAP., X5R, 10uF, 16V 10% 0805	MURATA, GRM21BR61C106KE15L	1425
9	2	C33,C58	CAP., X7R, 47uF, 10V 10% 1210	MURATA, GRM32ER71A476KE15L	150
10	2	C35,C64	CAP., NP0, 3300pF, 50V 5% 0603	MURATA, GRM1885C1H332JA01D	150
11	10	C37,C38,C44,C61,C62,C69,C125,C128, C130,C131	CAP., X5R, 10uF, 6.3V 20% 0603	MURATA, GRM188R60J106ME47D	750
12	0	C46,C71,C139,C140,C141,C142	CAP., 1206	OPT	0
13	9	C79-C87	CAP., X7R, 0.01μF, 6.3V, 10%, 0201	MURATA, GRM033R70J103KA01D	675
14	14	C88-C100,C124	CAP., X7R, 0.1μF, 10V, 10%, 0402	MURATA, GRM155R71A104KA01D	1050
15	3	C106,C127,C129	CAP., X7R, 0.01uF, 25V 10% 0603	MURATA, GRM188R71E103KA01D	225
16	2	C116,C123	CAP., NP0, 100pF 25V 10% 0402	AVX 04023A101KAT2A	150
17	0	C119	CAP., 0402	OPT	0
18	1	C134	CAP., X7R, 1uF, 100V 10% 1206	MURATA, GRM31CR72A105KA01L	75
19	2	C136,C138	CAP., X7R, 4.7uF, 50V 10% 1206	MURATA, GRM31CR71H475KA12L	150
20	2	C157,C158	CAP., TANT, 100uF, 25V 20%, 7343	AVX, TAJE107M025RNJ	150
21	4	D1,D2,D3,D4	DIODE, SCHOTTKY, DUAL, SOT23	DIODES INC., BAT54S-7-F	300
22	2	D5,D7	DIODE, SCHOTTKY,1.0A, POWERDI123	DIODES INC., DFLS1200-7	150
23	0	D6	DIODE, SCHOTTKY,1.0A, POWERDI123	OPT	0
24	1	D8	DIODE, SCHOTTKY,0.5A, SOD123	DIODES INC., B0530W-7-F	75
25	16	E1-E5,E7-E15,E18,E19	TURRET, TESTPOINT 0.064"	MILL-MAX, 2308-2-00-80-00-00-07-0	1200
26	5	FB1,FB2,FB3,FB4,FB5	FERRITE BEAD, 120 OHMS, 1206	MURATA, BLM31PG121SN1L	375
27	1	F1	FUSE, SLO-BLO, 1A, 1206, FUSE-LITTELFUSE-0468	LITTELFUSE, 0468001.NRHF	75
28	5	JP1,JP2,JP5,JP9,JP10	HEADER, 2MM SINGLE STR 3POS	SULLINS, NRPN031PAEN-RC	375
29	4	JP6,JP7,JP8,JP11	SHUNT, JUMPER .100" (2.54mm)	SAMTEC, JL-100-25-T	300
30	1	J1	CONN., HEADER 14POS 2MM VERT GOLD	MOLEX, 87831-1420	75

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				NUMBER OF BOARDS =	75
31	4	J2,J3,J4,J6	CONNECTOR, BNC	CONNEX, 112404	300
32	0	J5,J7	CONNECTOR, BNC	OPT	0
33	0	J8	CONN., PWR JACK, RIGHT ANGLE, THROUGH HOLE, 2.0mm, 5.0A	CUI INC., PJ-002AH OPT	0
34	0	J9	CONN, SMA	OPT	0
35	1	L1	IND, FIXED, 10uH, 840mA, 216M OHM, L-NR4018	TAIYO YUDEN, NR4018T100M	75
36	2	L2,L3	IND, FIXED, 15uH, 650mA, 300M OHM, L-NR4018	TAIYO YUDEN, NR4018T150M	150
37	1	L4	TRANSFORMER, POWER, 10uH, CLS62	SUMIDA, CLS62NP-100NC	75
38	1	P1	CONN., HSMC HEADER 60POS .020" SMT GOLD	SAMTEC, ASP-122952-01	75
39	2	RP1,RP2	IC, QUAD MATCHED RESISTOR NETWORK, MS8E	LINEAR TECH., LT5400ACMS8E-4	150
40	1	RSS1	RES., CHIP, 4.7K, 1/16W, 1% 0402	VISHAY, CRCW04024K70FKED	75
41	6	R1,R87,R106,R128,R150,R165	RES., CHIP, 10K, 1/10W, 1%, 0603	VISHAY, CRCW060310K0FKEA	450
42	4	R2,R5,R170,R171	RES., CHIP, 100, 1/4W, 1%, 1206	VISHAY, CRCW1206100RFKEA	300
43	4	R3,R10,R37,R38	RES., CHIP, 2K, 1/10W, 1%, 0805	VISHAY, CRCW08052K00FKEA	300
44	0	R4,R39,R75,R81,R88,R90,R92,R94,R100,R108, R109,R111,R112,R124,R125,R145-R148,R151, R153,R156-R158,R160-R162,R164	RES., CHIP, 0603	OPT	0
45	11	R6,R80,R82,R83,R86,R99,R101,R103, R105,R152,R166	RES., CHIP, 20K, 1/10W, 1%, 0603	VISHAY, CRCW060320K0FKEA	825
46	39	R7-R9,R17-R22,R25,R28-R32,R36,R40-R42, R45,R46,R48-R53,R56,R57,R60,R61, R64-R67,R69,R77,R96,R169	RES., CHIP, 49.9, 1/10W, 1%, 0603	VISHAY, CRCW060349R9FKEA	2925
47	8	R12,R16,R26,R27,R43,R47,R58,R59	RES., CHIP, 24.9, 1/10W, 1%, 0603	VISHAY, CRCW060324R9FKEA	600
48	8	R14,R23,R24,R44,R54,R55,R134,R167	RES., CHIP, 1K, 1/10W, 1%, 0603	VISHAY, CRCW06031K00FKEA	600
49	5	R33,R62,R70,R71,R72	RES., CHIP, 4.02K, 1/10W, 1%, 0603	VISHAY, CRCW06034K02FKEA	375
50	0	R34,R63	RES., CHIP, 2K, 1/10W, 1%, 0603	OPT	0
51	1	R35	RES., CHIP, 237K, 1/10W, 1%, 0603	VISHAY, CRCW0603237KFKEA	75
52	10	R68,R78,R84,R85,R89,R97,R102,R104, R107,R149	RES., CHIP, 10, 1/10W, 1%, 0603	VISHAY, CRCW060310R0FKEA	750
53	1	R73	RES., CHIP, 5.49K, 1/10W, 1%, 0603	VISHAY, CRCW06035K49FKEA	75
54	11	R74,R79,R91,R93,R98,R110,R113,R126, R127,R159,R163	RES., CHIP, 0 OHM, 1/10W, 1%, 0603	VISHAY, CRCW06030000Z0EA	825
55	2	R76,R95	RES., CHIP, 33, 1/10W, 1%, 0603	VISHAY, CRCW060333R0FKEA	150
56	6	R114,R115,R117,R119,R122,R123	RES., CHIP, 49.9, 1/10W, 1%, 0402	VISHAY, CRCW040249R9FKED	450
57	1	R116	RES., CHIP, 200K, 1/16W, 1% 0402	VISHAY, CRCW0402200KFKED	75
58	0	R118,R121,R140	RES., 0402	TBD	0

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				NUMBER OF BOARDS =	75
59	1	R120	RES., CHIP, 100, 1/16W, 1%, 0402	VISHAY, CRCW0402100RFKED	75
60	1	R139	RES., CHIP, 69.8K, 1/16W, 1% 0402	VISHAY, CRCW040269K8FKED	75
61	1	R141	RES., CHIP, 4.99K, 1/16W, 1% 0402	VISHAY, CRCW04024K99FKED	75
62	1	R142	RES., CHIP, 0 OHM, 1/16W, 1%, 0402	VISHAY, CRCW04020000Z0ED	75
63	1	R143	RES., CHIP, 221K, 1/16W, 1% 0402	VISHAY, CRCW0402221KFKED	75
64	1	R144	RES., CHIP, 15K, 1/16W, 1% 0402	VISHAY, CRCW040215K0FKED	75
65	1	R154	RES., CHIP, 51.1K, 1/10W, 1%, 0603	VISHAY, CRCW060351K1FKEA	75
66	1	R155	RES., CHIP, 13.3K, 1/10W, 1%, 0603	VISHAY, CRCW060313K3FKEA	75
67	1	R168	RES., CHIP, 80.6K, 1/10W, 1%, 0603	VISHAY, CRCW060380K6FKEA	75
68	2	U1,U2	IC,SDA ADC MULTI-APPLICATION,DFN24DKD-7X4	LINEAR TECH., LTC2500IDKD-32	150
69	2	U3,U6	IC, 50Msps DACS, SSOP28	LINEAR TECH., LTC1668CG	150
70	2	U4,U7	IC, DUAL 90MHz 16-BIT AMPLIFIER, SO8	LINEAR TECH., LT1469CS8	150
71	2	U5,U8	IC, 150mA PWR BUFFER, DFN8DD-3X3	LINEAR TECH., LT1010CDD	150
72	1	U9	IC, EEPROM 2KBIT 400KHZ, TSSOP8	MICROCHIP, 24LC025-I /ST	75
73	0	U10	IC, EEPROM 2KBIT 400KHZ, TSSOP8	OPT	0
74	2	U11,U16	IC, VOLTAGE REFERENCE, MSOP8	LINEAR TECH, LTC6655BHMS8-5	150
75	2	U12,U17	IC, D FLIP-FLOP, US8	ON SEMI., NL17SZ74USG	150
76	2	U13,U18	IC, OP AMP, 90 MHZ, SO8	LINEAR TECH., LT1468CS8	150
77	0	U14,U19	IC, OP AMP, 90 MHZ, SO8	OPT	0
78	2	U15,U20	IC, OP AMP, MICROPOWER, SO8	LINEAR TECH., LT1637CS8	150
79	1	U21	IC, TRIPLE OUTPUT CLOCK, QFN36UFF-4X7	LINEAR TECH., LTC6954IUFF-4	75
80	1	U22	IC, LINEAR REGULATOR, DFN14DEMA-4X3	LINEAR TECH., LT3032EDE-5	75
81	1	U23	IC, MICROPOWER REGULATOR, SOT23-5	LINEAR TECH., LT1761ES5-2.5	75
82	1	U24	IC, 2A HOT SWAP, DFN16DHC-5X3	LINEAR TECH., LTC4217IDHC-12	75
83	1	U27	IC, DC/DC CONVERTER, DFN10DD-3X3	LINEAR TECH., LT3471EDD	75
84	1	U29	IC, DC/DC CONVERTER, SOT23-5	LINEAR TECH., LT1931ES5	75
85	1	U30	IC, LINEAR REULATOR, DFN10DD-3X3	LINEAR TECH., LT3042EDD	75
86	1	Y1	OSCILLATOR,3.3V,LOW VOLTAGE,Y-ECS-LVDS33-2000-BN	ECS INC., ECS-LVDS33-2000-BN	75
87	5	SHUNTS FOR JP1,JP2,JP5,JP9,JP10 PINS 1&2	SHUNT, 0.079" CENTER	SAMTEC, 2SN-BK-G	375
88	4	MH1-MH4	SCREW, #4-40 X 3/8" PHILLIPS HEAD	MCMaster-CARR, 91772A108	300
89	4	MH1-MH4	STANDOFF, NYLON, HEX, #4-40 x 5/8	MICRO-PLASTIC, 14HTSP019	300
90	2	STENCILS	STENCILS (TOP & BOTTOM)	DC2390A-4	2
91	2		SCREW, #4-40 X 1/2" PHILLIPS HEAD	MCMaster-CARR, 91772A110	150
92	2		NUT, HEX, #4-40		150
93	2		SPACER, 5mm, M3	HARWIN, R30-6200514	150
ITEMS 91 TO 93 ARE TO BE PACKED IN THE RELEASED BAGS FOR CUSTOMERS USED ONLY. NO STUFFED.					