

# Linear Technology Corporation

PLL/VCO SUPPLY AND REFERENCE BOARD

**Bill Of Materials**

**Demo Bd. # 2429A-1**

10/8/2015 4:26 PM

Item	Qty		Part Description	Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>325</b>
1	16	C1,C3-C7,C9-C11,C19-C21,C23-C25,C35	CAP., X7R, 4.7uF, 50V, 10%, 1206	MURATA, GRM31CR71H475KA12L	5200
2	0	C2,C8,C18,C22	CAP., ALUM. ELECT., 10uF, 50V, 10%, CE-BSS	SUN ELECT., 50CE10BSS	0
3	0	C12	CAP., 0603	OPT	0
4	4	C13,C14,C16,C17	CAP., X7R, 1uF, 16V, 10%, 0603	MURATA, GRM188R71C105KA12D	1300
5	1	C15	CAP., X7R, 0.01uF, 16V, 10%, 0603	MURATA, GRM188R71C103KA01D	325
6	7	C26-C28,C32-C34,C37	CAP., X7R, 0.1uF, 16V, 10%, 0603	MURATA, GRM188R71C104KA01D	2275
7	3	C29,C30,C31	CAP., X7R, 0.47uF, 50V, 10%, 0805	MURATA, GRM21BR71H474KA88L	975
8	1	C36	CAP., ALUM. ELECT., 22uF, 50V, 10%, CE-BSS	SUN ELECT., 50CE22BSS	
9	4	D1,D2,D3,D4	LED, GREEN, LED-ROHM-SML-01	ROHM, SML-012P8TT86	1300
10	9	E1-E9	TURRET, 0.064"	MILL-MAX, 2308-2-00-80-00-00-07-0	2925
11	4	JP1-JP4	CONN., HEADER, 1x3, 2mm	WURTH ELEKTRONIK, 62000311121	1300
12	1	JP5	CONN., HEADER, 2X7, 2mm	SULLINS, NRPN072PAEN-RC	325
13	1	J1	CONN., PWR JACK, CON-CUI-PJ002AH	CUI INC., PJ-002AH	325
14	8	J2-J5,J8-J11	JACK, BANANA	KEYSTONE, 575-4	2600
15	0	J6	CONN., SMA 50-OHM EDGE-LAUNCH	OPT	0
16	1	J7	CONN., SMA 50-OHM EDGE-LAUNCH, MALE	EF JOHNSON, 142-0801-801	325
17	1	L1	IND, FERRITE BEAD, L-0603LS-1608	TAIYO YUDEN, FBMH1608HL121-T	325
18	3	L2-L4	IND, FERRITE BEAD, L-0603LS-1608	TAIYO YUDEN, FBMH1608HL331-T	975
19	2	R1,R11	RES., CHIP, 280, 1/10W 1%, 0603	VISHAY, CRCW0603280RFKEA	650
20	4	R2,R3,R8,R9	RES., CHIP, 0.05, 1/4W 5%, 0805	PANASONIC, ERJ-L06KJ50MV	1300
21	2	R4,R10	RES., CHIP, 453K, 1/8W 1%, 0805	VISHAY, CRCW0805453KFKEA	650
22	4	R6,R13,R25,R26	RES., CHIP, 49.9K, 1/8W 1%, 0805	VISHAY, CRCW080549K9FKEA	1300
23	1	R7	RES., CHIP, 8.25K, 1/8W 1%, 0805	VISHAY, CRCW08058K25FKEA	325
24	1	R14	RES., CHIP, 33.2K, 1/8W 1%, 0805	VISHAY, CRCW080533K2FKEA	325
25	0	R15-R18,R20,R21	RES., 0603	OPT	0
26	1	R19	RES., CHIP, 100, 1/10W 1%, 0603	VISHAY, CRCW0603100RFKEA	325
27	1	R22	RES., CHIP, 698K, 1/8W 1%, 0805	VISHAY, CRCW0805698KFKEA	325
28	1	R23	RES., CHIP, 619, 1/10W 1%, 0603	VISHAY, CRCW0603619RFKEA	325
29	1	R27	RES., CHIP, 1.21K, 1/10W 1%, 0603	VISHAY, CRCW06031K21FKEA	325
30	1	R28	RES., CHIP, 24.9K, 1/4W 1%, 1206	VISHAY, CRCW120624K9FKEA	325
31	1	R29	RES., CHIP, 33.2K, 1/4W 1%, 1206	VISHAY, CRCW120633K2FKEA	325
32	1	R30	RES., CHIP, 49.9K, 1/4W 1%, 1206	VISHAY, CRCW120649K9FKEA	325
33	1	R31	RES., CHIP, 80.6K, 1/4W 1%, 1206	VISHAY, CRCW120680K6FKEA	325

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				<b>NUMBER OF BOARDS =</b>	<b>325</b>
34	1	R32	RES., CHIP, 100K, 1/4W 1%, 1206	VISHAY, CRCW1206100KFKEA	325
35	1	R33	RES., CHIP, 121K, 1/4W 1%, 1206	VISHAY, CRCW1206121KFKEA	325
36	1	R34	RES., CHIP, 150K, 1/4W 1%, 1206	VISHAY, CRCW1206150KFKEA	325
37	7	U1-U6,U8	I.C., DFN10DD-3X3	LINEAR TECH., LT3042EDD	2275
38	1	U7	I.C., 100MHz OSCILLATOR, OSC-VCXO/CVS575S	CRYSTEK, CCHD-575-25-100.000	325
39	5	SHUNT ON JP1-JP5 AS SHOWN ON ASSY DWG	SHUNT, 2mm	WURTH ELEKTRONIK, 60800213421	1625
40	4	MH1-MH4	STANDOFF, NYLON, 0.5, 1/2"	WURTH ELEKTRONIK, 702935000	1300
39	2		STENCILS (TOP & BOTTOM)	DC2429A-1	2