

# Linear Technology Corporation

LTC4271IUF#TRPBF / LTC4270BIUKG#TRPBF

Bill Of Materials

Demo Bd. #1682B-1

5/28/2015 11:50 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>80</b>
1	12	C1-C12	CAP., X7R, 0.22uF, 100V, 10% 0805	AVX, 08051C224KAT2A	960
2	1	C19	CAP., X7R, 1uF, 100V, 10% 1206	AVX, 12061C105KAT2A	80
3	3	C20,C22,C23	CAP., X7R, 1uF, 16V, 10% 0603	AVX, 0603YC105KAT2A	240
4	3	C21,C25,C26	CAP., X7R, 0.1uF, 25V, 10% 0603	AVX, 06033C104KAT2A	240
5	1	C24	CAP., X7R, 2.2nF, 2KV, 10% 1808	AVX, 1808GC222KAT2A	80
6	1	D1	TVS, 58V, SMA	Diodes., SMAJ58A	80
7	4	D2-D5	LED, GREEN, 0603	LITE ON, LTST-C190KGKT	320
8	1	D26	DIODE, 100V, B1100 SMA	Diodes., B1100-13-F	80
9	0	D31	DIODE ZENER, 5.6V 500MW, SOD123 OPT	Diodes., BZT52C5V6-7-F	0
10	2	JP1,JP2	3 PIN 0.079 SINGLE ROW HEADER	SAMTEC, TMM103-02-L-S	160
11	2	XJP1,XJP2	SHUNT, .079" CENTER	SAMTEC, 2SN-BK-G	160
12	1	J1	CON., 2MM, 34 PIN, RIGHT ANGLE	SAMTEC, TMM-134-01-T-S-RA	80
13	0	J2	2X5, 0.079 DOUBLE ROW HEADER	OPT	0
14	12	Q1-Q12	MOSFET, N-CH.,100V, LFPAK33	NXP, PSMN075-100MSE.	960
15	1	Q13	NPN TRANSISTOR, BC846AS, SOT-363	DIODES., BC846AS-7	80
16	48	RL1,RK1,RJ1,RI1,RH1,RG1,RF1,RE1,RD1,RC1,RB1,RA1, RL2,RK2,RJ2,RI2,RH2,RG2,RF2,RE2,RD2,RC2,RB2,RA2, RL3,RK3,RJ3,RI3,RH3,RG3,RF3,RE3,RD3,RC3,RB3,RA3, RL4,RK4,RJ4,RI4,RH4,RG4,RF4,RE4,RD4,RC4,RB4,RA4	RES., CHIP, 1 OHM, 1/16W, 1% 0603	NIC, NRC06F1R00TRF	3840
17	3	R7,R8,R9	RES., CHIP, 0 OHM, 1/16W, 1% 0603	VISHAY, CRCW06030000Z0EA	240
18	0	R26,R27	RES., 0603	OPT	0
19	8	R13,R14,R15,R16,R21,R22,R23,R24	RES., CHIP, 100, 1/16W, 1% 0603	NIC, NRC06F1000TRF	640
20	2	R28,R29	RES., CHIP, 560, 1/16W, 5% 0603	YAGEO RC0603JR-07560RL	160
21	2	R30,R31	RES., CHIP, 27K, 1/8W, 5% 0805	YAGEO RC0805JR-0727KL	160
22	2	R32,R33	RES., CHIP, 220K, 1/16W, 5% 0603	YAGEO RC0603JR-07220KL	160
23	0	R34	RES., CHIP, 12K, 1/2W, 5% 1206 OPT	VISHAY, CRCW120612K0JNEAHP	0
24	1	R35	RES., CHIP, 10, 1/8W, 1% 0805	Panasonic, ERJ-6ENF10R0V	80
35	1	T1	TRANSFORMER, ETHERNET, 10/100	Wurth Elektronik, 7490100143	80
36	1	U1	IC., Digital PSE Controller.,24-LEAD 4X4 QFN	LINEAR TECH., LTC4271IUF	80
37	1	U2	IC., 12-Port PSE Controller.,52-LEAD 7X8 QFN	LINEAR TECH., LTC4270BIUKG	80
38	2		STENCILS (TOP & BOTTOM)	STENCIL DC1682B-1	2