

Linear Technology Corporation

LTC4228IUFD-1/-2

Bill Of Materials

DC1899A1-GENERAL BOM

QTY-330

8/7/2012 4:08 PM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	330
1	7	C1,C2,C3,C8,C9,C11,C14	CAP., X7R, 0.1uF,50V,0603	AVX, 06035C104KAT	2310
2	2	C4,C5	CAP., X7R, 47nF, 50V, 0603	AVX, 06035C473KAT	660
3	2	C6,C7	CAP., X7R, 15nF, 50V, 0603	AVX, 06035C153KAT	660
4	0	C10,C12,C13,C15	CAP., ALUMINUM, 100uF 50V, OPT	SANYO, 50CE100BS	0
5	2	D1,D2	DIODE, Voltage Supp. 19V 5%, SMA-DIODE	VISHAY, SMAJ17A-E3	660
6	4	D3,D5,D6,D8	LED, SMT GREEN, J TYPE, LED-LN1351C-GREEN	PANASONIC, LN1351C-TR	1320
7	2	D4,D7	LED, SMT RED, GW TYPE, LED-LN1261C-RED	PANASONIC, LN1261C-TR	660
8	1	D9	DIODE, SWITCHING, SOD80	VISHAY, LS4148-GS18	330
9	0	D10,D11,D12,D13	DIODE, CMHZ4706, SOD123	OPT	0
10	8	E1,E2,E3,E4,E5,E6,E7,E8	TP, .094"	MILL-MAX, 2501-2-00-80-00-00-07-0	2640
11	12	E9,E10,E11,E13-E16,E18-E22	TP, .064"	MILL-MAX, 2308-2-00-80-00-00-07-0	3960
12	5	JP1,JP2,JP3,JP6,JP7	JMP, HD1X3, .079CC	SAMTEC, TMM-103-02-L-S	1650
13	2	JP4,JP5	JMP, HD2X4, .079CC	SAMTEC, TMM-104-02-L-D	660
14	8	J1,J2,J3,J4,J5,J6,J7,J8	JACK, BANANA	KEYSTONE, 575-4	2640
15	4	Q1,Q2,Q3,Q4	MOSFET, N-CH, 30-V, SO8-POWERPAK	VISHAY, SiR158DP	1320
16	0	Q5,Q6,Q7,Q8	MOSFET, N-CH, 30-V, SiR158DP, SO8-POWERPAK	OPT	0
17	2	RS1,RS2	RES., CHIP, 0.005,1/2W,1%, 2010	VISHAY, WSL20105L000FEA	660
18	0	RS3,RS4	RES., CHIP, 0.005,1/2W,1%, 2010, OPT	VISHAY, WSL20105L000FEA	0
19	4	R1,R3,R19,R20	RES., CHIP,10, 1%, 0603	VISHAY, CRCW060310R0FKEA	1320
20	2	R2,R4	RES., CHIP, 47, 1%, 0603	VISHAY, CRCW060347R0FKEA	660
21	6	R5,R6,R7,R8,R9,R10	RES., CHIP, 3K, 1%, 0805	VISHAY, CRCW08053K00FKEA	1980
22	2	R11,R15	RES., CHIP, 20K, 1%, 0603	VISHAY, CRCW060320K0FKEA	660
23	2	R12,R16	RES., CHIP, 137K, 1%, 0603	VISHAY, CRCW0603137KfKEA	660
24	2	R13,R17	RES., CHIP, 49.9K, 1%, 0603	VISHAY, CRCW060349K9FKEA	660
25	2	R14,R18	RES., CHIP, 28K, 1%, 0603	VISHAY, CRCW060328K0FKEA	660
26	0	R21,R25	RES., CHIP, 10, 0603	OPT	0
27	0	R22,R26	RES., CHIP, 0 OHM, 0603	OPT	0
28	1	R23	RES., CHIP, 1K, 1%, 0603	VISHAY, CRCW06031K0FKEA	330
29	1	R24	RES., CHIP, 18K, 1%, 0603	VISHAY, CRCW060318K0FKEA	330
30	6	SEE ASSY DWG	SHUNT, 0.079" CENTER	SAMTEC, 2SN-BK-G	1980
31	4	MH1-MH4	STANDOFF, NYLON, 0.50, 1/2"	KEYSTONE, 8833 (SNAP ON)	1320
32	2		STENCILS FOR BOTH SIDES	DC1899A-1	2

Linear Technology Corporation

LTC4228IUFD-1

Bill Of Materials

DC1899A1-A

QTY-165

8/7/2012 4:08 PM

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	165
1	1	DC1899A-1	GENERAL BOM		1
2	1	U1	I.C. LTC4228IUFD-1, QFN28UFD	LINEAR TECH., LTC4228IUFD-1	165

Linear Technology Corporation

LTC4228IUFD-2

Bill Of Materials

DC1899A1-B

QTY-165

8/7/2012 4:08 PM

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	165
1	1	DC1899A-1	GENERAL BOM		
2	1	U1	I.C. LTC4228IUFD-2, QFN28UFD	LINEAR TECH.,LTC4228IUFD-2	165