

# ANALOG DEVICES

LTC4291IUF#PBF / LTC4292IUJ#PBF

Bill Of Materials

Demo Bd. #2684A-2

3/6/2018 9:30 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>100</b>
1	10	C1-C8,CK1,CK2	CAP., 0.22uF, X7R, 100V, 10%, 0805	MURATA, GRM21AR72A224KAC5L	1000
2	2	C19,C29	CAP., 1uF, X7R, 100V, 20%, 1206	MURATA, GRM31CR72A105MA01L	200
3	3	C20,C22,C23	CAP., 1uF, X5R, 16V, 10%, 0603	MURATA, GRM188R61C105KA93D	300
4	2	C21,C25	CAP., 0.1uF, X7R, 16V, 10%, 0603	MURATA, GRM188R71C104KA01D	200
5	1	C24	CAP., 2200pF, X7R, 2KV, 10%, 1808	AVX, 1808GC222KAT1A	100
6	1	C27 Through Hole	CAP., 47uF, ALUM., 100V, 20%, RADIAL LEAD	NICHICON, UVK2A470MPD1TD	100
7	16	DP1-DP8,DN1-DN8	DIODE, GP 100V 1A SOD123F	ON Semiconductor, S1BFL	1600
8	1	D1	DIODE, TVS,58V,400W,UNI-DIRECTIONAL,SOD123W	NEXPERIA, PTVS58VS1UR,115	100
9	2	D2,D3	LED, GREEN, CLEAR, LED-LTST-C190KGKT	LITE-ON INC., LTST-C190KGKT	200
10	1	D5	DIODE, TVS,58V,600W,UNI-DIRECTIONAL,SOD128	NEXPERIA, PTVS58VP1UP,115	100
11	0	D31	DIODE, ZENER, BZT52C5V6-7-F, SOD123	OPT	0
12	0	JP1	CONN., HDR, MALE, 1x3, 2mm, THT, STR	OPT	0
13	3	JP2,JP3,JP4	CONN., HDR, MALE, 1x3, 2mm, THT, STR	Würth Elektronik, 62000311121	300
14	1	J1	CONN., 2MM, 1X30, RIGHT ANGLE	SULLINS, NRPN301PARN-RC	100
15	0	J2	CONN., 2MM, 2X5, SMT EDGE CONNECTOR	OPT	0
16	8	Q1-Q8	MOSFET, N-CH.,37mOHM, 100V, LFPK33-8PIN	NXP, PSMN040-100MSE	800
17	2	RK1,RK2	RES., 0.150 OHM, 1%, 1/10W, 0603	PANASONIC, ERJ-3RSFR15V	200
18	16	RSU1-RSU8,RST1-RST8	RES., SENSE, 0.3 OHM, 1%, 1/4W, 0805	VISHAY, RCWE0805R300FKEA	1600
19	3	R9,R10,R11	RES., 0 OHM, 1/10W, 0603	VISHAY, CRCW06030000Z0EA	300
20	10	R13-R16,R21-R24,R26,R27	RES., 100 OHMS, 5%, 1/10W, 0603	VISHAY, CRCW0603100RJNEA	1000
21	2	R28,R29	RES., 560 OHMS, 5%, 1/10W, 0603	VISHAY, CRCW0603560RJNEA	200
22	0	R34	RES., 12K OHMS, 1%, 1/2W, 1210	OPT	0
23	1	R35	RES., 10 OHMS, 5%, 1/8W, 0805	VISHAY, CRCW080510R0JNEA	100
24	1	T1	TRANSFORMER, ETHERNET,10/100	Würth Elektronik, 7490100143	100
25	1	U1	IC., 8-CH BT PoE PSE CONTROLLER, QFN40UJ-6X6	LINEAR TECH., LTC4292IUJ#PBF	100
26	1	U2	IC., DIGITAL BT PoE PSE CNTRLR, QFN24UF-4X4	LINEAR TECH., LTC4291IUF#PBF	100
27	3	SHUNTS ON JP2-JP4 PINS 1&2	SHUNT, 0.079" CENTER	SAMTEC, 2SN-BK-G	300
28	2		TOOL, STENCIL, DC2684A-2	LINEAR TECH., DC2684A-2	2