

ANALOG DEVICES

LTC4291IUF#PBF

LTC4291IUF#PBF-1

LTC4292IJJ#PBF

Bill Of Materials
DC2684A2-GENERAL BOM

8/9/2018 9:52 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	250
1	10	C1-C8,CK1,CK2	CAP., 0.22uF, X7R, 100V, 10%, 0805	MURATA, GRM21AR72A224KAC5L	2500
2	2	C19,C29	CAP., 1uF, X7R, 100V, 20%, 1206	MURATA, GRM31CR72A105MA01L	500
3	3	C20,C22,C23	CAP., 1uF, X5R, 16V, 10%, 0603	MURATA, GRM188R61C105KA93D	750
4	1	C21	CAP., 0.1uF, X7R, 16V, 10%, 0603	MURATA, GRM188R71C104KA01D	250
5	1	C24	CAP., 2200pF, X7R, 2KV, 10%, 1808	AVX, 1808GC222KAT1A	250
6	1	C27 Through Hole	CAP., 47uF, ALUM., 100V, 20%, RADIAL LEAD	NICHICON, UVK2A470MPD1TD	250
7	16	DP1-DP8,DN1-DN8	DIODE, GP 100V 1A SOD123F	ON Semiconductor, S1BFL	4000
8	1	D1	DIODE, TVS,58V,400W,UNI-DIRECTIONAL,SOD123W	NEXPERIA, PTVS58VS1UR,115	250
9	2	D2,D3	LED, GREEN, CLEAR, LED-LTST-C190KGKT	LITE-ON INC., LTST-C190KGKT	500
10	1	D5	DIODE, TVS,58V,600W,UNI-DIRECTIONAL,SOD128	NEXPERIA, PTVS58VP1UP,115	250
11	0	D31	DIODE, ZENER, BZT52C5V6-7-F, SOD123	OPT	0
12	3	JP2,JP3,JP4	CONN., HDR, MALE, 1x3, 2mm, THT, STR	Wurth Elektronik, 62000311121	750
13	1	J1	CONN., 2MM, 1X30, RIGHT ANGLE	SULLINS, NRPN301PARN-RC	250
14	0	J2	CONN., 2MM, 2X5, SMT EDGE CONNECTOR	OPT	0
15	8	Q1-Q8	MOSFET, N-CH.,37mOHM, 100V, LFPK33-8PIN	NEXPERIA, PSMN040-100MSEX	2000
16	2	RK1,RK2	RES., 0.150 OHM, 1%, 1/10W, 0603	PANASONIC, ERJ-3RSFR15V	500
17	16	RSU1-RSU8,RST1-RST8	RES., SENSE, 0.3 OHM, 1%, 1/4W, 0805	VISHAY, RCWE0805R300FKEA	4000
18	3	R9,R10,R11	RES., 0 OHM, 1/10W, 0603	VISHAY, CRCW06030000Z0EA	750
19	10	R13-R16,R21-R24,R26,R27	RES., 100 OHMS, 5%, 1/10W, 0603	VISHAY, CRCW0603100RJNEA	2500
20	2	R28,R29	RES., 560 OHMS, 5%, 1/10W, 0603	VISHAY, CRCW0603560RJNEA	500
21	0	R34	RES., 12K OHMS, 1%, 1/2W, 1210	OPT	0
22	1	R35	RES., 10 OHMS, 5%, 1/8W, 0805	VISHAY, CRCW080510R0JNEA	250
23	1	T1	TRANSFORMER, ETHERNET,10/100	Wurth Elektronik, 7490100143	250
24	1	U1	IC., 8-CH BT PoE PSE CONTROLLER, QFN40UJ-6X6	ANALOG DEVICES, LTC4292IJJ#PBF	250
25	3	SHUNTS ON JP2-JP4 PINS 1&2	SHUNT, 0.079" CENTER	SAMTEC, 2SN-BK-G	750
26	2		TOOL, STENCIL, DC2684A-2	ANALOG DEVICES, DC2684A-2	2

ANALOG DEVICES**LTC4291IUF****LTC4291IUF-1****Bill Of Materials****DC2684A2-AB**

8/9/2018 9:52 AM

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
DC2684A2-A					NUMBER OF BOARDS = 0
1	1		DC2684A2-GENERAL BOM		0
2	1	U2	IC., DIGITAL BT PoE PSE CNTRLR, QFN24UF-4X4	ANALOG DEVICES, LTC4291IUF#PBF	0
3	1	C25	CAP., 0.1uF, X7R, 16V, 10%, 0603	MURATA, GRM188R71C104KA01D	0
4	0	JP1	CONN., HDR, MALE, 1x3, 2mm, THT, STR	Würth Elektronik, 62000311121	0
DC2684A2-B					NUMBER OF BOARDS = 250
1	1		DC2684A2-GENERAL BOM		1
2	1	U2	IC., DIGITAL BT PoE PSE CNTRLR, QFN24UF-4X4	ANALOG DEVICES, LTC4291IUF-1#PBF	250
3	1	C25	CAP., 0.22uF, X7R, 16V, 10%, 0603	TDK, C1608X7R1C224K080AC	250
4	1	JP1	CONN., HDR, MALE, 1x3, 2mm, THT, STR	Würth Elektronik, 62000311121	250
5	1	JP1 (LO)	SHUNT, 0.079" CENTER	SAMTEC, 2SN-BK-G	250