

EVAL-AD2428WD1BZ Evaluation Board Bill of Materials

ITEM#	Qty	LOCATION	WW_PN	DESCRIPTION	MFG	MFG_PN
1	2	U11,U12	1000287		TI (R)	SN74LVC1G08DBVR
2	1	Q2	1001056	STD2805T4 TO228P972X240-3N	DIGI-KEY	497-7465-1-ND
3	2	Q1,Q3	1001117	BSS308PE H6327 MOSFET P/CH 30V 2.0A ZZZ	DIGI-KEY (R)	BSS308PE H6327TR-ND
4	1	U4	1001174	24AA512-I/ST TSSOP-8 ZZZ	MICROCHIP (R)	24AA512-I/ST
5	1	Y1	1001200		DIGI-KEY	535-10262-1-ND
6	1	VR3	1008403	LT8609S LQFN16	LINEAR TECH	LT8609SEV#PBF
7	1	U3	1008404	LTC4040 QFN24	LINEAR TECH	LTC4040EUFDPBF
8	1	VR1	1008405	LTC3621 MSOP8	LINEAR TECH	LTC3621EMS8E-3.3#PBF
9	1	VR2	1008406	LTC3121 DFN12	LINEAR TECH	LTC3121EDE#PBF
10	1	U1	1008407	AD2428 LFCSP32	ADI	AD2428WCCSZ
11	1	U5	1008408	NMOS 20V 30A	VISHAY	SIR424DP-T1-GE3
12	1	U2	30-026000-01	ADAU1761	ADI (R)	ADAU1761BCPZ-R7
13	1	U6	30-026178-01	ADAU1452WBC PZ ZZZ	ADI (R)	ADAU1452WBPCPZ-RL
14	3	U7-U9	30-026231-01	MEMS MIC	TDK INVENSENSE	INMP621ACEZ-R0
15	1	U10	30-026367-01	ADM6315 SOT143	ADI (R)	ADM6315-29D2ARTZR7
16	5	JP1,JP4,JP12- JP14	6000774	IDC 2X1 IDC2X1	SAMTEC (R)	HTSW-102-07-T-S
17	3	JP8,JP10,JP19	6000775	IDC 3X1 IDC3X1	SAMTEC (R)	HTSW-103-07-T-S
18	1	SJ?	6000794	IDC 2PIN_JUMPER_S HORT	DIGI-KEY (R)	S9001-ND
19	2	JP2,JP3	6000797	IDC 2X2 IDC2X2	SULLINS CO (R)	GEC02DAAN
20	2	J3,J4	6000798	3.5MM STEREO_JACK CON001	DIGI-KEY (R)	CP1-3525NG-ND
21	5	JP5- JP7,JP9,JP11	6000800	IDC 3X2 IDC3X2	BURG	54102-T08-03LF

22	1	J5	6000923	0.6MM 120PIN HIROSE_FX8- 120S-SV(21)	HIROSE (R)	FX8-120S-SV(21)
23	1	GP1	6000949	TEST LOOP LOOP_2838	KEYSTONE (R)	5016
24	1	P1	6001024	IDC 5X2 3M_N2510- 6002-RB	DIGIKEY	MHC10K-ND
25	1	P4	6001179	PWR 2.1MM_JACK CUI-INC_PJ- 102AH	DIGIKEY	CP-102AH-ND
26	1	J2	6001203	FIBER-OPTIC SPDIF EVERLIGHT_PLT 133/T10	DIGI-KEY (R)	1080-1430-ND
27	1	J1	6001204	FIBER-OPTIC SPDIF EVERLIGHT_PLR 135/T10	EVERLIGHT (R)	PLR135/T10
28	2	P2,P3	6001205	502352-0200 DURACLIC 2PIN 2MM ZZZ	MOLEX (R)	5023520200
29	1	P5	6001208	5.08MM 2POS WEIDMULLER_P M5.08/2/90_3.5 _SW	DIGI-KEY (R)	281-1882-ND
30	1	SW1	6003675		APEM INC	ADTSMW64NVTR
31	1	F1	6004415	3A RESETABLE SMD	LITTLEFUSE	AHS300-2
32	1	P6	6004416	2MM 2PIN TH	JST SALE	B2B-PH-K-S(LF)(SN)
33	2	FER1,FER15	7000112	600 100MHZ 200MA 0603	DIGI-KEY (R)	490-1014-2-ND
34	2	FER10,FER11	7000117	600 100MHZ 500MA 1206	DIGI-KEY (R)	HZ1206E601R-10
35	2	C79,C85	7000143	1UF 16V 10% 0805	DIGI-KEY (R)	399-1284-2-ND
36	8	C21,C31,C33,C 35,C47,C93-	7000279	0.01UF 16V 10% 0402	AVX CORPOR (R)	0402YC103KAT2A
37	19	R13,R14,R22,R 24- R26,R33,R39,R 45,R65-	7000280	10K 1/16W 5% 402	PANASONIC (R)	ERJ-2GEJ103X
38	12	R5,R9,R11,R12 ,R36,R50,R57, R58,R77,R82,R	7000282	0 1/10W 5% 0402	PANASONIC (R)	ERJ-2GEOR00X

39	14	R2,R7,R27,R28 ,R34,R35,R54- R56,R59,R60,	7000285	33 1/16W 5% 0402 (10K REEL)	VISHAY (R)	CRCW040233R0JNED
40	1	R29	7000316	1.00K 1/8W 15 1206	KOA (R)	RK73H2BTDD1001F
41	2	R52,R53	7000384	1K 1/10W 5% 0603	DIGI-KEY (R)	311-1.0KGRTR-ND
42	2	R61,R62	7000395	49.9K 1/10W 1% 0603	DIGI-KEY (R)	311-49.9KHRTR-ND
43	4	C66-C69	7000448	27PF 50V 5% 0402	AVX CORPOR (R)	04025A270JAT2A
44	2	C62,C63	7000478	0.33UF 16V 10% 0603 X7R	DIGI-KEY	478-1247-2-ND
45	2	C3,C5	7000502	1000PF 50V 5% 1206	AVX CORPOR (R)	12065A102JAT2A
46	2	D1,D6	7000553	5A MBRS540T3G SMC	ON SEMICON (R)	MBRS540T3G
47	1	R64	7000565	330.0 1/16W 1% 0402	DIGI-KEY (R)	541-330LCT-ND
48	1	R23	7000566	33.0K 1/16W 1% 0402	ROHM	MCR01MZPF3302
49	2	R4,R15	7000571	1.0K 1/16W 1% 0402	PANASONIC (R)	ERJ-2RKF1001X
50	1	R30	7000575	1.0 1/4W 1% 1206	YAGEO (R)	RC1206FR-071RL
51	1	R21	7000583	1.50K 1/16W 1% 0402	DIGI-KEY (R)	P1.50KLTR-ND
52	3	R48,R49,R85	7000590	100K 1/16W 5% 0402	DIGI-KEY (R)	541-100KJTR-ND
53	4	C87,C97,C100, C106	7000594	22UF 10V 10% 1210	MURATA (R)	GRM32ER71A226KE20L
54	1	C83	7000607	2.2UF 25V 10% 0805	DIGI-KEY (R)	445-6860-2-ND
55	3	RN1-RN3	7000661	33 1/32W 5% RNS005	PANASONIC (R)	EXB-28V330JX
56	1	R43	7000669	1.0M 1/16W 1% 0402	VISHAY (R)	CRCW04021M00FKED
57	3	R10,R46,R47	7000679	100.0 1/16W 1% 0402	DIGI-KEY (R)	541-100LCT-ND
58	1	C58	7000694		DIGI-KEY (R)	399-1086-2-ND
59	1	LED5	7000748	GREEN LED_0603	DIGIKEY	67-1549-2-ND
60	3	R51,R72,R79	7000836	2.0K 1/10W 1% 0402	PANASONIC (R)	ERJ-2RKF2001X

61	11	C8-C13,C26,C29,C82,C91,C92	7000850	.10UF 16V 10% 0402	DIGI-KEY (R)	587-1451-2-ND
62	1	R38	7000922	60.4K OHM 1/10W 1% ZZZ	DIGI-KEY (R)	311-60.4KHRTR-ND
63	3	C84,C101,C102	7000972	4.7uF 16V 10% ZZZ	TDK (R)	C3216X7R1C475K/1.60
64	2	C27,C28	7001049	22PF 50V 5% 0402	DIGIKEY	311-1018-2-ND
65	1	R37	7001086	178.0K 1/16W 1% 0402	DIGIKEY	541-178KLTR-ND
66	1	C103	7001111	4.7pF CER 50V NPO ZZZ	TDK (R)	C1005C0G1H391J
67	2	C86,C104	7001113	10pF CER 50V NPO ZZZ	KEMET (R)	C0402C100J5GACTU
68	3	LED4,LED6,LE	7001307	RED LED_0603	DIGI-KEY (R)	475-2512-2-ND
69	4	LED1-LED3,LED7	7001314	LED YELLOW DIFFUSED 0603 SMD	OSRAM	LY L296-Q2R2-26-Z
70	2	CT1,CT2	7001327	470uf 6.3V 20% ZZZ	VISHAY	TR3D477M6R3C0200
71	1	R3	7001361	475 1/8W 1% ZZZ	PANASONIC (R)	ERJ-6ENF4750V
72	1	C18	7001373	150PF 50V 5% ZZZ NPO 0402	DIGI-KEY (R)	490-3229-2-ND
73	21	C20,C22-C25,C30,C32,C34,C36-C38,C40,C41,C44,C48,C51,C7	7001552	0.1UF 35V 10% ZZZ	DIGI-KEY (R)	445-6901-2-ND
74	4	FER6-FER9	7001554	1000 100MHZ 1.5A ZZZ	TDK (R)	MPZ2012S102A
75	4	C49,C61,C76,C78	7001555	4.7UF 16V 10% 0805	TDK (R)	CGA4J3X7R1C475K125AB
76	1	C19	7001622	5600PF 25V 10% ZZZ	DIGI-KEY (R)	490-5420-2-ND
77	1	R1	7001623	4.32K 1/10W 1% ZZZ	PANASONIC (R)	ERJ-2RKF4321X
78	2	C64,C65	7001742	12PF 50V 5% 0402 NPO	MURATA	GRM1555C1H120FA01D
79	11	C50,C54-C57,C60,C96,C111-	7001835	0.033UF 50V 10% 0402 X7R ZZZ	TDK (R)	CGA2B3X7R1H333K050BB
80	2	D3,D5	7001856		COMCHIP TE (R)	CDBU0130L
81	1	C45	7002239	0.47UF 50V 20% 0603 X7R	TAIYO YUDEN	UMK107B7474KA-TR

82	2	R94,R95	7005380	0 1/4W 0% R1206 ZZZ	PANASONIC (R)	ERJ-8GEY0R00V
83	1	R88	7006037	120K 1/10W 1% R0402 ZZZ	PANASONIC (R)	ERJ-2RKF1203X
84	1	R16	7007123	3.3K 1/16W 1% R0402 ZZZ	PANASONIC (R)	ERJ-2RKF3301X
85	1	C59	7008644		TDK (R)	CGA2B3X7R1H153K050BB
86	2	L1,L6	7008686	2.2UH	COILCRAFT (R)	XAL5030-222ME
87	1	L8	7008737		COILCRAFT	XAL4030-682MEC
88	2	FER12,FER13	7008738		DIGI-KEY	445-172389-1-ND
89	4	C42,C43,C52,C	7008739		TDK	CGA2B3X7R1V103K050BB
90	1	D2	7008771		VISHAY SEMI	GSOT12-E3-08
91	1	R6	7009555		PANASONIC	ERJ-P6WF9100V
92	2	C109,C110	7009644		DIGI-KEY	490-5936-2-ND
93	1	R86	7009673	ZZZ	YAGEO	RC0603FR-0757K6L
94	1	R41	7009694	RES SMD 18.2K OHM 1% 1/10W 0402	DIGI-KEY	P18.2KLTR-ND
95	4	R17-R20	7010065		DIGI-KEY	541-120AATR-ND
96	4	L2-L5	7010109		DIGI-KEY	445-16329-1-ND
97	1	R8	7010113		YAGEO	RL0402FR-070R5L
98	2	D7,D8	7010139	215MA BAS116 SOD123F	BAS116H	NEXPERIA
99	1	D9	7010140	8.8A TPSMF4L28A SOD123FL	TPSMF4L28A	LITTLEFUSE
100	4	R73-R76	7010141	RES SMD 390 OHM 1% 1/16W 0402	DIGI-KEY	311-390LRTR-ND
101	1	R90	7010143	576.0K 1/16W 1% 0402	YAGEO	RC0402FR-07576KL
102	1	R87	7010144	210.0K 1/16W 1% 0402	YAGEO	RC0402FR-07210KL
103	1	R71	7010145	324.0K 1/16W 1% 0402	YAGEO	RC0402FR-07324KL
104	1	R42	7010146	182.0K 1/16W 1% 0402	YAGEO	RC0402FR-07182KL
105	1	R70	7010147	1.690M 1/16W 1% 0402	YAGEO	CRCW04021M69FKED
106	1	R44	7010148	0.012 1/4W 1% 1206	VISHAY	WSK1206R0120FEA
107	14	C1,C2,C4,C6,C 7,C14- C17,C39,C46,C	7010149	10UF 16V 10% 0805 X7R	TAIYO YUDEN	EMK212BB7106MG-T
108	1	C88	7010150	100UF 6.3V 20% 1210 X7U	MURATA	GRM32EE70J107ME15L

109	1	FER14	7010151	700 5A SMD	TDK	ACM90V-701-2PL-TL00
110	1	D4	7010152	520MA ZLLS400 SOD-323	DIODES INC	ZLLS400TA
111	1	L7	7010153	3.3UH 20% SMT	COILCRAFT	XAL5030-332MEC
112	4	L9-L12	7010163	3.3UH 20% 0805	TDK	MLZ2012M3R3HT000
113	1	R89	7010164	105.0K 1/16W 1% 0402	YAGEO	RC0402FR-07105KL