

Bill Of Materials for EVAL-ADAU1472Z rev B

ITEM#	Qty	DESCRIPTION	LOCATION	MFG	MFG_PN
1	1	PCB	?	Analog Devices Supplied	08_057284b
2	42	CAP CER 0.1uF 16V 10% X7R 0402	C1, C3, C4, C5, C6, C9, C17, C18, C20, C23, C26, C29, C31, C33, C36, C37, C48, C49, C50, C61, C68, C87, C92, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120	KEMET	C0402C104K4RACTU
3	14	CAP CER 10uF 6.3V 10% X7R 0805 AEC-Q200	C2, C7, C8, C10, C11, C13, C14, C15, C16, C19, C22, C25, C28, C35	MURATA	GCM21BR70J106KE22L
4	15	CAP CER 1uF 6.3V 10% X5R 0402	C41, C88, C89, C90, C91, C93, C94, C95, C96, C97, C98, C99, C100, C101, C126	AVX	04026D105KAT2A
5	1	CAP CER 47pF 50V 5% COG 0402 AEC-Q200	C12	MURATA	GCM1555C1H470JA16D
6	10	CAP CER 10uF 16V 10% X5R 0805	C40, C42, C54, C56, C121, C122, C123, C125, C128, C129	MURATA	GRM21BR61C106KE15L
7	3	CAP CER 22pF 50V 5% COG 0402	C55, C124, C127	YAGEO	CC0402JRNPO9BN220
8	8	CAP CER 0.01uF 50V 10% X7R 0402 AEC-Q200	C21, C24, C27, C30, C32, C34, C38, C39	MURATA	GCM155R71H103KA55D
9	2	CAP CER 0.022uF 16V 10% X7R 0402	C43, C44	AVX	0402YC223KAT2A
10	6	CAP CER 4.7uF 16V 10% X6S 0603	C45, C46, C47, C59, C65, C86	MURATA	GRM188C81C475KE11D
11	3	CAP CER 4700pF 50V 10% X7R 0402 AEC-Q200	C51, C52, C53	MURATA	GCM155R71H472KA37D
12	2	CAP CER 0.33uF 16V 10% X5R 0603	C57, C64	AVX	0603YD334KAT2A
13	2	CAP CER 12pF 50V 5% COG 0402	C58, C66	MURATA	GJM1555C1H120JB01D
15	4	CAP CER 27pF 50V 5% COG 0402 AEC-Q200	C62, C63, C70, C71	TAIYO YUDEN	UMK105CG270JVHF
16	2	CAP CER 0.068uF 10V 10% X5R 0402	C67, C76	KEMET	C0402C683K8PAC7411
17	4	CAP CER 0.01uF 50V 5% COG 0603 AEC-Q200 LOW ESR	C72, C73, C80, C81	TDK	CGA3E2COG1H103J080AA
18	6	CAP CER 0.033uF 25V 10% X7R 0402 AEC-Q200	C74, C75, C82, C83, C84, C85	MURATA	GCM155R71E333KA55D
19	1	CAP CER 0.47uF 35V 10% X7R 0603 AEC-Q200	C77	TAIYO YUDEN	GMK107B7474KAHT
20	1	CAP CER 0.015uF 50V 5% X7R 0402 AEC-Q200	C78	MURATA	GCM155R71H153JA55D
21	1	CAP CER 3300pF 50V 10% X7R 0402 AEC-Q200	C79	MURATA	GCM155R71H332KA37D
22	1	DIODE LED, TRICOLOR (RGB)	D1	LUMEX	SM-LX0404SIUPGUSB
23	3	DIODE SCHOTTKY BARRIER	D2, D4, D6	COMCHIP TECHNOLOGY	CDBU0130L
24	1	DIODE SCHOTTKY BARRIER, 0.52A	D3	DIODES INCORPORATED	ZLS400TA
25	1	DIO TVS UNIDIRECTIONAL, 8.8A	D5	LITTELFUSE, INC.	TPSMF4L28A
26	4	LED GREEN CLEAR	DS1, DS8, DS12, DS13	LITE-ON TECHNOLOGY	LTST-C190GKT
27	4	LED BLUE, WATER CLEAR LENS	DS9, DS10, DS11, DS14	LITE-ON TECHNOLOGY	LTST-C194TBKT
28	6	LED AMBER 595NM	DS2, DS3, DS4, DS5, DS6, DS7	PANASONIC	LNJ437W84RA
29	10	FLTR EMI (CAP TYPE) 0603	FL1, FL2, FL3, FL4, FL5, FL6, FL7, FL8, FL9, FL10	MURATA MANUFACTURING	NFM18PC225B0J3D
30	2	IND COMMON MODE CHOKE, 1.5OHM DCR, 0.15A	L1, L2	TDK	ACT1210L-101-2P-TL00
31	8	IND FIXED MULTILAYER, DECOUPLING CKT, TO BE ORDER IN TDK ONLY, PLEASE USE SYM_5 AND/OR SYM_6	L6, L7, L10, L11, L14, L15, L16, L17	TDK	MLZ2012M3R3ATD69
32	4	IND HIGH FREQUENCY CIRCUITS, 0.15A, 3.8OHM DCR	L8, L9, L12, L13	TDK	MLG1005SR18JTD25
33	3	IND POWER SMD	L5, L18, L19	TAIYO YUDEN	NRS4018T6R8MDGJ
34	2	IND FIXED WIRE-WOUND POWER, 140MA 3.25OHM	L3, L4	TAIYO YUDEN	CBMF1608T470K
35	1	MOD PHOTOLINK FIBER OPTIC TRANSMITTER FOR SPDIF AUDIO	M1	EVERLIGHT AMERICAS INC.	PLT133/T10W
36	1	MOD PHOTOLINK FIBER OPTIC RECEIVER FOR SPDIF AUDIO	M2	EVERLIGHT AMERICAS INC.	PLR135/T10
37	7	CONN-PCB 2POS MALE HDR UNSHROUDED SINGLE ROW ST, 2.54MM PITCH, 5.84MM POST HEIGHT, 2.54MM SOLDER TAIL	P1, P15, P17, P18, P21, P22, P23	SAMTEC INC.	TSW-102-07-G-S
38	2	CONN-PCB HIGH SPEED FFC AND FPC RCPT ST 0.50MM PITCH	P10, P11	JAE	FI-RE41S-VF-R1300
39	1	CONN-PCB HDR 8POS .100 SNGL GOLD	P12	SAMTEC	TSW-108-08-G-S
40	2	CONN-PCB HEADER DURACLK 2.0MM PITCH	P13, P14	MOLEX	502352-0200
41	3	CONN-PCB 10POS MALE HDR UNSHROUDED 0.635MM SQ POST DOUBLE ROW 5.84MM MATING POST, 2.54MM SOLDER TAIL	P2, P8, P16	SAMTEC INC.	TSW-105-07-G-D
42	1	CONN-PCB BOX HDR, 1.27MM PITCH	P19	CNC TECH	3220-14-0100-00
43	1	CONN-PCB 0.65MM POWER JACK WITH SHIELD	P20	CUI	PJ1-023
44	3	CONN-PCB 3.5MM SM AUDIO JACK-STEREO	P3, P4, P5	CUI	SJ-3523-SMT
45	2	CONN-PCB HEADER 16 PIN ST	P6, P9	SAMTEC	TSW-108-07-G-D
46	1	CONN-PCB 40POS FEMALE HDR DUAL ROW, 2.54MM PITCH, 2.64 SOLDER TAIL	P7	SAMTEC INC.	SSW-120-01-T-D
47	2	TRAN N-CHANNEL POWER MOSFET	Q1, Q2	ONSEMI	MCH3484-TL-W
48	21	TRAN N-CH MOSFET	Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24	ROHM	RYM002N05T2CL
49	1	TRAN P-CH MOSFET OPTIMOS P3 SMALL-SIGNAL-TRAN	Q14	INFINEON TECHNOLOGIES AG	BSS308PE H6327
50	5	RES SMD 33 Ohm 5% 1/10W 0402 AEC-Q200	R1, R2, R63, R64, R68	PANASONIC	ERJ-2GEJ330X
51	20	RES SMD 22 Ohm 1% 1/10W 0402 AEC-Q200	R10, R86, R87, R88, R91, R92, R121, R122, R125, R126, R127, R128, R129, R130, R132, R133, R134, R135, R136, R137	PANASONIC	ERJ-2RFK22R0X
52	3	RES SMD 0 Ohm JUMPER 1/4W 1206 AEC-Q200	R32, R100, R101	PANASONIC	ERJ-8GEY0R00V
53	8	RES SMD 560 Ohm 1% 1/10W 0402 AEC-Q200	R99, R102, R103, R104, R105, R150, R164, R165	PANASONIC	ERJ-2RFK5600X
54	4	RES SMD 120 Ohm 1% 3/4W 1210 AEC-Q200	R106, R107, R110, R111	VISHAY	CRCW1210120RFKEA
55	1	RES SMD 3.3K Ohm 1% 1/10W 0402 AEC-Q200	R108	PANASONIC	ERJ-2RFK3301X
56	2	RES SMD 1K Ohm 1% 1/10W 0402 AEC-Q200	R109, R120	PANASONIC	ERJ-2RFK1001X
57	2	RES SMD 470K Ohm 5% 1/10W 0402 AEC-Q200	R11, R12	PANASONIC	ERJ-2GEJ474X
58	1	RES SMD 33K Ohm 5% 1/10W 0402 AEC-Q200	R112	PANASONIC	ERJ-2GEJ333X
59	1	RES SMD 1 Ohm 1% 1/4W 1206 AEC-Q200	R113	PANASONIC	ERJ-8RQF1R0V
60	4	RES SMD 4.7K Ohm 1% 1/10W 0402 AEC-Q200	R55, R57, R58, R114	PANASONIC	ERJ-2RFK4701X

61	24	RES SMD 0 Ohm JUMPER 1/10W 0402 AEC-Q200	R7, R8, R18, R19, R20, R22, R23, R24, R25, R26, R28, R30, R31, R33, R34, R36, R37, R89, R90, R93, R94, R115, R117, R118	PANASONIC	ERJ-2GEOR00X
62	41	RES SMD 10K Ohm 1% 1/10W 0402 AEC-Q200	R3, R4, R5, R39, R59, R60, R62, R65, R69, R70, R72, R73, R75, R77, R78, R79, R80, R83, R85, R98, R116, R119, R123, R124, R131, R138, R140, R141, R142, R143, R144, R146, R147, R148, R149, R154, R158, R160, R161, R162, R166	PANASONIC	ERJ-2RKF1002X
63	2	RES SMD 49.9K Ohm 1% 1/10W 0402 AEC-Q200	R13, R14	PANASONIC	ERJ-2RKF4992X
64	7	RES SMD 330 Ohm 5% 1/10W 0402 AEC-Q200	R139, R145, R153, R157, R159, R163, R167	PANASONIC	ERJ-2GEJ331X
65	8	RES SMD 100K Ohm 1% 1/10W 0402 AEC-Q200	R15, R21, R81, R84, R97, R151, R152, R156	PANASONIC	ERJ-2RKF1003X
66	1	RES SMD 453K Ohm 1% 1/10W 0402 AEC-Q200	R155	PANASONIC	ERJ-2RKF4533X
67	2	RES SMD 100 Ohm 1% 1/10W 0402 AEC-Q200	R16, R17	PANASONIC	ERJ-2RKF1000X
70	1	RES SMD 33.2 Ohm 1% 1/10W 0402 AEC-Q200	R38	PANASONIC	ERJ-2RKF33R2X
71	3	RES SMD 2.2K Ohm 5% 1/10W 0402 AEC-Q200	R40, R41, R56	PANASONIC	ERJ-2GEJ222X
72	15	RES SMD 10 Ohm 1% 1/10W 0402 AEC-Q200	R6, R9, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54	PANASONIC	ERJ-2RKF10R0X
73	1	RES SMD 1.62K Ohm 1% 1/10W 0402 AEC-Q200	R61	PANASONIC	ERJ-2RKF1621X
74	1	RES SMD 2.32K Ohm 1% 1/10W 0402 AEC-Q200	R66	PANASONIC	ERJ-2RKF2321X
75	1	RES SMD 3.01K Ohm 1% 1/10W 0402 AEC-Q200	R67	PANASONIC	ERJ-2RKF3011X
76	1	RES SMD 1.96MEG Ohm 1% 1/16W 0402 AEC-Q200	R95	STACKPOLE ELECTRONICS, INC.	RMCF0402FT1M96
77	1	RES SMD 261K Ohm 1% 1/10W 0402 AEC-Q200	R96	PANASONIC	ERJ-2RKF2613X
78	3	SWITCH ULTRA SMALL TACTILE	S1, S2, S3	OMRON	B3U-1000P
79	1	XFMR COMMON MODE CHOKE COIL, 250OHM AT 100MHZ	T1	MURATA	DLW58TM251SQ2L
80	9	CONN-PCB TEST POINT, WHITE	TP1, TP2, TP3, TP4, TP5, TP6, TP8, TP9, TP14	KEYSTONE ELECTRONICS	5007
81	8	CONN-PCB TEST POINT RED	TP7, TP10, TP11, TP12, TP13, TP21, TP22, TP23	KEYSTONE ELECTRONICS	5005
82	6	CONN-PCB TEST POINT BLK	TP15, TP16, TP17, TP18, TP19, TP20	KEYSTONE ELECTRONICS	5006
83	1	IC-ADI 24BIT AUDIO CODEC WITH INTEGRATED PLL	U1	ADI	ADAU1761BCPZ
84	1	IC-ADI 17V, DUAL 1A SYNCHRONOUS STEP-DOWN REGULATOR WITH ULTRALOW QUIESCIENT CURRENT	U10	ANALOG DEVICES	LTC3622EDE#PBF
85	5	IC-ADI CMOS, DUAL SPDT MUX	U2, U6, U7, U11, U12	ANALOG DEVICES	ADG854BCPZ-REEL7
86	1	IC FPGA MACHXO3 1300CELLS 65NM TECHNOLOGY	U3	LATTICE SEMICONDUCTOR	LCMXO3L-1300E-5MG256C
87	1	IC-ADI 25V, 0.6A SYNCHRONOUS BUCK-BOOST DC/DC CONVERTER WITH 1.6UA QUIESCIENT CURRENT	U4	ANALOG DEVICES	LTC3130EMSE#PBF
88	1	IC-ADI AUTOMOTIVE AUDIO BUS A2B TRANSCIEVER	U5	ANALOG DEVICES	AD2428WCCSZ
89	1	IC-ADI SIGMADSP DIGITAL AUDIO PROCESSOR PRELIM	U8	ANALOG DEVICES	ADAU1472BCBZ-RL
90	1	IC 128MBIT MIRRORBIT FLASH NON-VOLATILE MEMORY	U9	CYPRESS SEMICONDUCTOR	S25FL128SAGNFI000
91	1	XTAL 3.3V HCMOS CLOCK OSC	Y1	ABRACON	ASF1-12.288MHZ-L-T
92	1	IC CRYSTAL XO 3.3V HCMOS/TTL CLOCK OSC	Y2	ABRACON CORP.	ASF1-24.576MHZ-L-T
Mechanical Parts					
ITEM#	Qty	DESCRIPTION	LOCATION	MFG	MFG_PN
2	4	SCREW, PAN HD 4-40 1/4 NYLON	?	KEYSTONE	9327
3	4	STANDOFF, NYLON HEX FEMALE 6.35MM O.D., 4-40 THREAD, 1 INCH LONG	?	KEYSTONE	1902E
The following components are part of the PCB or are NOT to be installed					
ITEM#	Qty	DESCRIPTION	LOCATION	MFG	MFG_PN
14	2	DO NOT INSTALL (TBD_C0402) PLEASE USE SYM_3 AND/OR SYM_4	C60, C69	TBD0402	TBD0402
68	9	DO NOT INSTALL (TBD_R0402), PLEASE USE SYM_3 AND/OR SYM_4	R27, R35, R71, R74, R76, R82, R169, R170, R171	TBD0402	TBD0402
69	1	DO NOT INSTALL (TBD_R1206), PLEASE USE SYM_3 AND/OR SYM_4	R29	TBD1206	TBD1206