

TITLE: Bill of Materials								
BOM NO: 05-073432-01-a.csv								
DATE: 10/11/2023								
DESIGN: 02_073432a_top								
TEMPLATE: Z:\allegro\v174_site\cdssetup\template.bom								
CALLOUT: Inc\Attachments\Current Projects\EVAL-LT8390-AZ\1-SCH\rev 3\20_073432a\worklib\02_073432a_top\bom\bom.callout:								
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
1	1	08_073432a	PCB	?	?	Analog Devices Supplied	08_073432a	?
2	1	E048499	CAP CER 1UF 100V 10% X7S 0805	1UF	C1	MURATA	GRJ21BC72A105KE11L	?
3	1	E059683	CAP ALUM POLY 100UF 63V 20% 10X12.6MM 1000H	100UF	C10	PANASONIC	635XV100M	?
4	2	E044329	CAP CER 10UF 100V 10% X7S 1210	10UF	C12,C32	MURATA	GRM32EC72A106KE05L	?
5	4	E022361	CAP CER 10uF 50V 10% X7R 1210	10uF	C14,C20,C21,C45	MURATA	GRM32ER71H106KA12L	?
6	1	E028571	CAP CER 4.7uF 10V 10% X5R 0402 LOW ESR	4.7uF	C2	TDK	C1005X5R1A475K050BC	?
7	4	E024646	CAP CER 0.1uF 100V 10% X5R 0402	0.1uF	C22,C23,C35,C36	MURATA	GRM155R62A104KE14D	?
8	4	E034665	CAP CER 0.1uF 50V 10% X5R 0402 AEC-Q20C	0.1uF	C24,C25,C37,C38	TAIYO YUDEN	UMK105B104KVHF	?
10	1	E019219	CAP CER 1uF 16V 10% 0402 LOW ESR	1uF	C27	TDK	C1005X6S1C105K050BC	?
11	1	E047983	CAP CER 0.47UF 16V 10% X7S 0402 AEC-Q200 LOW ESR	0.47UF	C3	TDK	CGA2B1X7S1C474K050BC	?
12	2	E032072	CAP CER 1000pF 50V 1% COG 0402	1000pF	C4,C39	MURATA	GRM1555C1H102FA01D	?
13	1	E060176	CAP CER 100NF 25V 10% X5R 0402	100NF	C5	TDK	C1005X5R1E104K050BC	?
14	1	E023087	CAP CER 1uF 50V 10% X7R 0603	1uF	C6	TAIYO YUDEN	UMK107AB7105KA-T	?
15	2	E026964	CAP CER 0.1uF 25V 10% X7R 0402	0.1uF	C7,C8	AVX CORPORATION	04023C104KAT2A	?
16	2	E016832	DIODE SCHOTTKY SINGLE BARRIER	BAT46WJ,115	D1,D2	NXP SEMICONDUCTORS	BAT46WJ,115	?
17	2	E061970	DIO ZNR 5.1V 5% SOD523	CMOZ5L1 TR PBFREE	D3,D4	CENTRAL SEMICONDUCTOR	CMOZ5L1 TR PBFREE	?
18	2	E059877	DIO SCHOTTKY BARRIER RECTIFIER, 2A	PMEG6020EPA,115	D5,D6	NEXPERIA	PMEG6020EPA,115	?
19	10	E031108	CONN-PCB SOLDER TERMINAL TEST POINT TURRET 0.094" MTG. HOLE PCB 0.062 INCH TH*	2501-2-00-80-00-00-07-C	E1,E2,E3,E4,E5,E6,E7,E8,E9,E1C	MILL-MAX	2501-2-00-80-00-00-07-C	?
22	2	E039893	CONN-PCB THREADED BROACHING STUD, 625MIL LENGTH	KFH-032-10ET	J1,J2	PENN ENGINEERING	KFH-032-10ET	?
24	2	E012555	CONN-PCB BANANA JACK	575-4	J3,J4	KEYSTONE ELECTRONICS	575-4	?
25	1	E043044	CONN-PCB 6POS UNSHROUDED HEADER VERT 2MM PITCH	TMM-103-02-L-D	JP1	SAMTEC INC.	TMM-103-02-L-D	?
26	1	E061964	IND POWER SHIELDED/MOLDED WIREWOUND 0.68UH 20% 1MHZ COMPOSITE 22.7A 0.0023OHM DCR AEC-Q20C	0.68UH	L1	COILCRAFT INC.	XGL6060-681MEC	?
28	4	E058016	TRAN MOSFET N-CH GAN 100V 60A	EPC2218	Q1,Q2,Q3,Q4	EFFICIENT POWER CONVERSION CORPORATION	EPC2218	?
30	1	E044407	RES SMD 0.002 OHM 2% 1W 1206 AEC-Q200		0.002 R1	SUSUMU CO, LTD	KRL3216-M-R002-G-T1	?
31	1	E011153	RES SMD 75K Ohm 1% 1/10W 0402 AEC-Q200	75K	R10	PANASONIC	ERJ-2RKF7502X	?
32	1	E027220	RES SMD 100K Ohm 5% 1/16W 0402 AEC-Q200	100K	R11	VISHAY	CRCW0402100KJNED	?
34	2	E003768	RES SMD 10 Ohm 1% 1/10W 0402 AEC-Q20C		10 R13,R22	PANASONIC	ERJ-2RKF10R0X	?
35	4	E003438	RES SMD 0 Ohm JUMPER 1/10W 0402 AEC-Q200		0 R14,R16,R24,R26	PANASONIC	ERJ-2GE0R00X	?
36	1	E064234	RES SMD 6.2 OHM 1% 1/16W 0402 AEC-Q20C		6.2 R15	STACKPOLE ELECTRONICS, INC.	RMCF0402F6R20	?
37	1	E039316	RES SMD 3.3 Ohm 1% 1/16W 0402		3.3 R17	YAGEO	RC0402FR-073R3L	?
38	2	E042731	RES SMD 10 OHM 5% 1/10W 0402 AEC-Q200		10 R18,R19	PANASONIC	ERJ-2GEJ100X	?
39	1	E038435	RES SMD 0.01 Ohm 1% 1W 1206 AEC-Q20C		0.01 R2	PANASONIC	ERJ-8BWFR010V	?
40	2	E020518	RES SMD 47 Ohm 1% 1/10W 0402 AEC-Q20C		47 R20,R21	PANASONIC	ERJ-2RKF47R0X	?
41	1	E026331	RES SMD 59K Ohm 1% 1/10W 0402 AEC-Q200	59K	R23	PANASONIC	ERJ-2RKF5902X	?
43	1	E003784	RES SMD 18K Ohm 1% 1/16W 0402	18K	R4	YAGEO	RC0402FR-0718KL	?
44	1	E006802	RES SMD 232K Ohm 1% 1/10W 0402 AEC-Q200	232K	R5	PANASONIC	ERJ-2RKF2323X	?
45	1	E003751	RES SMD 10K Ohm 1% 1/10W 0402 AEC-Q200	10K	R6	PANASONIC	ERJ-2RKF1002X	?
46	1	E026449	RES SMD 357K Ohm 1% 1/10W 0402 AEC-Q200	357K	R7	PANASONIC	ERJ-2RKF3573X	?
47	1	E010879	RES SMD 64.9K Ohm 1% 1/10W 0402 AEC-Q20C	64.9K	R8	PANASONIC	ERJ-2RKF6492X	?
48	1	E026070	RES SMD 124K Ohm 1% 1/16W 0402	124K	R9	YAGEO	RC0402FR-07124KL	?
50	1	E059682	IC-ADI 60V 2MHZ SYNCHRONOUS 4-SWITCH BUCK-BOOST CONTROLLER WITH SPREAD SPECTRUM	LT8390AJUFD#PBF	U1	ANALOG DEVICES	LT8390AJUFD#PBF	?
Mechanical Parts								
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
2	1	M033288	SHUNT, 2MM JUMPER WITH TEST POINT	?	?	WURTH ELEKTRONIK	60800213421	?
3	1	M042521	HEATSINK 1/8 BRICK 55X20.7X11.4M	?	?	WAKEFIELD-VETTE	567-45AB	DNI
4	2	M039279	WASHER, #10 FLAT STEEL	?	?	KEYSTONE		4703 ?
5	2	M048369	CONNECTOR RING LUG TERMINAL, 10 CRIMP, NON-INSULATED	?	?	KEYSTONE		8205 ?
6	4	M048748	STANDOFF, BRD SPT SNAP FIT 15.9MM LENGTH	?	?	KEYSTONE		8834 ?
7	4	M039278	NUT, HEX STEEL, 10-32 THREAD, 9.27MM OUT DIA	?	?	KEYSTONE		4705 ?
The following components are part of the PCB or are NOT to be installed								
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
9	4	E000381	DO NOT INSTALL (TBD_C0402) PLEASE USE SYM_3 AND/OR SYM_4	TBD0402	C26,C31,C34,C44	TBD0402	TBD0402	DNI
20	1	E031108	CONN-PCB SOLDER TERMINAL TEST POINT TURRET 0.094" MTG. HOLE PCB 0.062 INCH TH*	2501-2-00-80-00-00-07-C	E11	MILL-MAX	2501-2-00-80-00-00-07-C	DNI
21	6	E040052	DO NOT INSTALL (TBD_R1206), PLEASE USE SYM_3 AND/OR SYM_4	TBD1206	FB1,FB2,FB3,FB4,FB5,FB6	TBD1206	TBD1206	DNI
23	4	E050157	CONN-PCB MMCK JACK STR 50OHM 0-6GHZ		734152063 J7,J8,J9,J10	MOLEX	734152063	DNI
27	4	E060235	CONN-PCB 1POS STEEL SPACER WITH M2X0.4 THD	9774010243R	P1,P2,P3,P4	WURTH ELEKTRONIK	9774010243R	DNI
29	1	E042436	TRAN P-CHANNEL MOSFET 100V 10.8A	SI7113ADN-T1-GE3	Q5	VISHAY	SI7113ADN-T1-GE3	DNI
33	9	E004049	DO NOT INSTALL (TBD_R0402), PLEASE USE SYM_3 AND/OR SYM_4	TBD0402	R12,R25,R28,R29,R30,R31,R32,R33,R34	TBD0402	TBD0402	DNI
42	1	E004051	DO NOT INSTALL (TBD_R0805), PLEASE USE SYM_3 AND/OR SYM_4	TBD0805	R27	TBD0805	TBD0805	DNI
49	3	E005347	CONN-PCB TST PNT BLK	BLK	TP1,TP2,TP3	KEYSTONE ELECTRONICS		5001 DNI
Callouts From: Inc\Attachments\Current Projects\EVAL-LT8390-AZ\1-SCH\rev 3\20_073432a\worklib\02_073432a_top\bom\bom.callout:								