

TITLE: Bill of Materials EVAL-LT8640SA-AZ REVA

BOM NO: 05-082008-01-a.csv

DATE: 07/31/2024

DESIGN: 02\_082008a\_top

ITEM#	Qty	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
1	1	PCB			Analog Devices Supplied	08_082008a	
2	1	CAP ALUM ELECT 22UF 63V 20% 6.3X7.7MM AEC-Q200 1.2 OHM 120MA 2000H	22UF	C1	PANASONIC	EEEFN1J220XP	
4	1	CAP CER 0.1uF 50V 10% X7R 0402 AEC-Q200 LOW ESR	0.1uF	C12	TDK	CGA2B3X7R1H104K050BB	
7	2	CAP CER 1uF 10V 10% X7S 0402	1uF	C17, C18	TDK	C1005X7S1A105K050BC	
8	1	CAP CER 10uF 50V 10% X7R 1210 AEC-Q200	10uF	C2	AVX CORPORATION	12105C106K4T2A	
9	2	CAP CER 1uF 50V 10% X5R 0603 AEC-Q200	1uF	C3, C4	MURATA	GRT188R61H105KE13D	
10	1	CAP CER 0.1uF 16V 10% X7R 0603	0.1uF	C5	KEMET	C0603C104K4RAC	
11	1	CAP CER 10pF 50V 5% C0G 0603	10pF	C6	KEMET	C0603H100J5GAC7867	
12	1	CAP CER 100UF 10V 20% X5R 1210	100UF	C7	MURATA	GRM32ER61A107ME20L	
13	1	CAP CER 1uF 10V 10% X7R 0603	1uF	C8	KEMET	C0603C105K8RACTU	
14	1	CAP CER 10uF 10V 10% X5R 0603 LOW ESR	10uF	C9	TDK	C1608X5R1A106K080AC	
16	4	CONN-PCB, BANANA JACK, FEMALE, NON-INSULATED, THT, SWAGE, 0.218 INCHES LENGTH	575-4	J1, J2, J3, J4	KEYSTONE ELECTRONICS	575-4	
17	2	CONN-PCB BNC JACK ST 50 OHM	112404	J5, J6	AMPHENOL CONNEX	112404	
18	1	CONN-PCB 8POS MALE HDR UNSHROUDED DUAL ROW ST, 2MM PITCH, 2.80MM SOLDER TAIL	62000821121	JP1	WURTH ELEKTRONIK	62000821121	
19	1	IND POWER SHIELDED WIREWOUND 1.5UH 20% 1MHZ 14A 0.01052OHM DCR HIGH CURRENT AEC-Q200	1.5UH	L1	COILCRAFT INC.	XEL6030-152MEB	
20	1	TRAN N-CH MOSFET 40V 14A	SUD50N04-8M8P-4GE3	Q1	VISHAY	SUD50N04-8M8P-4GE3	
21	2	RES SMD 100K Ohm 1% 1/10W 0603 AEC-Q200	100K	R1, R4	VISHAY	CRCW0603100KFKEA	
22	1	RES SMD 49.9 Ohm 1% 1/10W 0603 AEC-Q200	49.9	R10	PANASONIC	ERJ-3EKF49R9V	
23	1	RES SMD 17.8K OHM 1% 1/10W 0603 AEC-Q200	17.8K	R2	VISHAY	CRCW060317K8FKEA	
24	1	RES SMD 243K Ohm 1% 1/10W 0603 AEC-Q200	243K	R3	VISHAY	CRCW0603243KFKEA	
25	1	RES SMD 50 Ohm 1% 1/10W 0603 AEC-Q200	50	R5	VISHAY	CRCW060350R0FKEA	
26	1	RES SMD 1MEG Ohm 1% 1/10W 0603 AEC-Q200	1MEG	R6	VISHAY	CRCW06031M00FKEA	
27	1	RES SMD 0 Ohm JUMPER 1/10W 0603 AEC-Q200	0	R7	PANASONIC	ERJ-3GEY0R00V	
29	1	RES SMD 0.1 OHM 1% 3W 1225 WIDE AEC-Q200	0.1	R9	SUSUMU CO, LTD	KRL6432E-C-R100-F-T1	
30	12	CONN-PCB SOLDER TERMINAL TEST POINT TURRET 0.094" MTG. HOLE PCB 0.062 INCH THK	2501-2-00-80-00-00-07-0	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12	MILL-MAX	2501-2-00-80-00-00-07-0	
31	1	IC-ADI LT8640SA	LT8640SAAV#TRPBF	U1	ANALOG DEVICES	LT8640SAAV#TRPBF	

Mechanical Parts

ITEM#	Qty	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
2	1	SHUNT FEMALE 2POS 2MM			WURTH ELEKTRONIK	60800213421	
3	4	STANDOFF, SELF-RETAINING SPACER, 12.7MM LENGTH			WURTH ELEKTRONIK	702935000	

The following components are part of the PCB or are NOT to be installed

ITEM#	Qty	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
3	2	CAP CER 10uF 50V 10% X7R 1210	10uF	C10, C11	MURATA	GRM32ER71H106KA12L	DNI
5	1	CAP CER 0.1uF 50V 10% X7R 0402 AEC-Q200 LOW ESR	0.1uF	C13	TDK	CGA2B3X7R1H104K050BB	DNI
6	3	DO NOT INSTALL (C0603)	C0603	C14, C15, C16	C0603	C0603	DNI
15	1	IND FERRITE BEAD MULTI LAYER 100 OHM AT 100MHZ 25% 8A 0.006 OHM 1812 AEC-Q200	100OHM AT 100MEGHZ	FB1	WURTH ELEKTRONIK	74279226101	DNI
28	1	DO NOT INSTALL (R0603)	R0603	R8	R0603	R0603	DNI