

TITLE: Bill of Materials MAX17617AEVKIT# REVA

BOM NO: 05-082182-01-a.csv

DATE: 08/01/2024

DESIGN: 02_082182a_top

ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
1	1	08_082182a	PCB			Analog Devices Supplied	08_082182a	
2	2	E015185	CAP CER 2.2uF 100V 10% X7R 1210	2.2uF	C1, C2	KEMET	C1210C225K1RACTU	
3	4	E015036	CAP CER 0.1uF 16V 10% X7R 0603	0.1uF	C11, C13, C16, C21	AVX	0603YC104KAT2A	
6	1	E015288	CAP CER 2.2uF 10V 10% X7R 0603	2.2uF	C15	MURATA	GRM188R71A225KE15D	
8	1	E034771	CAP CER 4.7uF 100V 10% X7S 1206	4.7uF	C18	MURATA	GRM31CC72A475KE11L	
10	1	E063202	CAP ALUM ELECT 6.8UF 160V 20% 8X10MM AEC-Q200	6.8UF	C3	NICHICON CORPORATION	UUB2C6R8MNL1GS	
11	1	E042810	CAP CER 10NF 16V 10% X5R 0603	10NF	C5	AVX CORPORATION	0603YD103KAT2A	
12	1	E042933	CAP CER 1UF 100V 10% X7R 1210	1UF	C6	AVX CORPORATION	12101C105KAT2A	
13	1	E000417	CAP CER 220pF 50V 5% C0G 0603	220pF	C7	YAGEO	CC0603JRNPO9BN221	
14	1	E011548	CAP CER 22uF 16V 10% X7R 1210	22uF	C8	MURATA	GRM32ER71C226KEA8L	
15	3	E028120	LED, CHIP LAMP BI-COLOR CHIP, HIGH EFFICIENCY RED 627NM AND SUPER BRIGHT GREEN 565NM	APT81612ESGC-F01	D1, D2, D3	KINGBRIGHT ELECTRONIC	APT81612ESGC-F01	
16	1	E059886	DIO TVS BIDIRECTIONAL 77.4VC 19.4A	SMCJ48CA	D4	LITTELFUSE, INC.	SMCJ48CA	
18	1	E019000	DIODE TVS UNIDIRECT	SMCJ48A	D6	LITTELFUSE	SMCJ48A	
19	1	E043431	DIO TVS UNIDIRECTIONAL 51V 7.3A	SMBJ51A	D7	LITTELFUSE, INC.	SMBJ51A	
20	1	E008009	LED 565NM GREEN DIFF 1206 SMD	SML-LX1206GW-TR	DS1	LUMEX	SML-LX1206GW-TR	
21	1	E016893	IND CHIP FERRITE BD	330OHM	E1	TDK	MPZ2012S331A	
22	2	E033291	CONN-PCB 3POS MALE HDR UNSHROUDED SINGLE ROW ST, 2MM PITCH, 2.70MM SOLDER TAIL	62000311121	JP1, JP2	WURTH ELEKTRONIK	62000311121	
23	1	E051506	IND POWER SHIELDED WIREWOUND 2.2UH 20% 1MHZ 5.5A 0.0387 OHM DCR 1515	2.2UH	L1	COILCRAFT INC.	XEL4020-222MEC	
24	1	E046122	IND POWER SHIELDED WIREWOUND 150UH 20% 100KHZ 0.73A 0.535OHM 2424 AEC-Q200	150UH	L2	COILCRAFT INC.	LPS6235-154MRC	
25	1	E059889	TRAN N-CH (D-S) MOSFET, 40A	SIR876ADP-T1-GE3	Q1	VISHAY	SIR876ADP-T1-GE3	
26	1	E024630	RES SMD 7.32K Ohm 1% 1/10W 0603 AEC-Q200	7.32K	R1	PANASONIC	ERJ-3EKF7321V	
27	6	E003678	RES SMD 1K Ohm 1% 1/10W 0603 AEC-Q200	1K	R9, R10, R11, R16, R17, R25	PANASONIC	ERJ-3EKF1001V	
28	2	E042881	RES SMD 442K OHM 1% 1/10W 0603 AEC-Q200	442K	R12, R20	PANASONIC	ERJ-3EKF4423V	
29	4	E010279	RES SMD 100K Ohm 1% 1/10W 0603 AEC-Q200	100K	R13, R15, R18, R19	PANASONIC	ERJ-3EKF1003V	
30	1	E010256	RES SMD 64.9K Ohm 1% 1/10W 0603 AEC-Q200	64.9K	R14	PANASONIC	ERJ-3EKF6492V	
31	1	E066481	RES SMD 3.83K OHM 1% 1/10W 0603 AEC-Q200	3.83K	R2	PANASONIC	ERJ-3EKF3831V	

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32	1	E019092	RES SMD 28K Ohm 1% 1/10W 0603 AEC-Q200	28K	R22	VISHAY	CRCW060328K0FKEA	
33	1	E060084	RES SMD 392K OHM 1% 1/10W 0603 AEC-Q200	392K	R23	PANASONIC	ERJ-3EKF3923V	
34	3	E003671	RES SMD 10K Ohm 1% 1/10W 0603 AEC-Q200	10K	R24, R28, R29	PANASONIC	ERJ-3EKF1002V	
35	1	E067819	RES SMD 953K OHM 1% 1/10W 0603 AEC-Q200	953K	R26	PANASONIC	ERJ-3EKF9533V	
37	1	E042876	RES SMD 220K OHM 1% 1/10W 0603 AEC-Q200	220K	R3	PANASONIC	ERJ-3EKF2203V	
38	4	E031108	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, TP4, TP11, TP12	MILL-MAX	2501-2-00-80-00-00-07-0	
39	4	E021431	CONN-PCB TEST POINT COMPACT MINI	5019	TP6, TP7, TP8, TP10	KEYSTONE ELECTRONICS	5019	
40	2	E005767	CONN BINDING POST RED	RED	TP2, TP13	CINCH CONNECTIVITY SOLUTIONS	111-0702-001	
41	2	E005768	CONN BINDING POST BLACK	BLK	TP3, TP14	CINCH CONNECTIVITY SOLUTIONS	111-0703-001	
42	4	E030692	CONN-PCB SOLDER TERMINAL TURRETS FOR CLIP LEADS	2308-2-00-80-00-00-07-0	TP5, TP9, TP15, TP16	MILL-MAX	2308-2-00-80-00-00-07-0	
43	1	E059964	IC-ADI 3V TO 80V, 7A, POWER-LIMITER WITH OV/SURGE, UV, REVERSE POLARITY, AND LOSS OF GROUND PROTECTION	MAX17617AAFD+	U1	ANALOG DEVICES	MAX17617AAFD+	
44	1	E048616	IC-ADI HIGH EFFICIENCY SYNCH STEP-DOWN REGULATOR	LTC3639EMSE#PBF	U2	ANALOG DEVICES	LTC3639EMSE#PBF	
45	3	E026705	IC-TTL DUAL 2-INPUT NOR GATE	74LVC2G02RA3-7	U3, U4, U5	DIODES INCORPORATED	74LVC2G02RA3-7	

Mechanical Parts

ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	DNI
2	2	M022926	SHUNT, 2POS, 2MM PITCH, BLACK			SAMTEC INC.	2SN-BK-G	
3	4	M048748	STANDOFF, BRD SPT SNAP FIT 15.9MM LENGTH			KEYSTONE	8834	

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

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4	1	E046198	CAP ALUM ELECT 4.7UF 100V 20% 8X6.2MM AEC- Q200 42MA 2000H	4.7UF	C12	NICHICON CORPORATION	UUX2A4R7MCL1GS	DNI
5	1	E031665	CAP CER 1uF 100V 10% X7R 1206	1uF	C14	SAMSUNG	CL31B105KCHNNNE	DNI
7	3	E034771	CAP CER 4.7uF 100V 10% X7S 1206	4.7uF	C17, C19, C20	MURATA	GRM31CC72A475KE11L	DNI
9	1	E000382	DO NOT INSTALL (C0603)	C0603	C22			DNI
17	1	E059891	DIO TVS UNIDIRECTIONAL 85VC 11.8A	1K5MB62A	D5	LITTELFUSE, INC.	1K5MB62A	DNI
36	1	E060084	RES SMD 392K OHM 1% 1/10W 0603 AEC-Q200	392K	R27	PANASONIC	ERJ-3EKF3923V	DNI