

eval-ade9430-bom								
TITLE: Bill of Materials								
BOM NO: 05-068967-01-f.csv								
DATE: 07/24/2024								
DESIGN: 02_068967f_top								
TEMPLATE: Z:\allegro\v174_site\cdssetup\template.bom								
CALLOUT: C:\tmp\20_068967g\worklib\02_068967f_top\bom\BR-068967a_mechparts.callouts								
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	JEDEC_TYPE	TOL	VOLTAGE	WATTAGE
	1	1	08_068967c	PCB	?	?	?	?
	2	11	E031467	CAP CER 0.1uF 50V 5% X7R 0805	0.1uF	C0805	5	50V
	3	3	E020596	CAP CER 1uF 16V 10% X7R 0603 AEC-Q200 LOW ESR	1uF	C0603	10	16V
	4	10	E038268	CAP CER 10uF 25V 10% X5R 0805	10uF	C0805H53	10	25V
	6	14	E047690	CAP CER 0.022UF 50V 5% CGO 0805 AEC-Q200 HIGH TEMP	0.022UF	C0805H55	5	50V
	7	2	E007476	CAP CER 18pF 50V 5% C0G 0402	18pF	C0402	5	50V
	8	4	E025322	CAP CER 4.7uF 10V 10% X5R 0603	4.7uF	C0603	10	10V
	9	4	E025708	NRND-CAP CER 0.1uF 25V 10% X7R 0402 AEC-Q200	0.1uF	C0402	10	25V
	11	3	E029660	CAP CER 51pF 50V 5% CGO 0402	51pF	C0402	5	50V
	15	2	E007143	CAP CER 10uF 6.3V 20% X5R 0603	10uF	C0603	20	6.3V
	16	1	E049432	CAP CER 470PF 100V 10% X7R 0603	470PF	C0603	10	100V
	17	1	E016993	CONN-PCB VERT TYPE RCPT SMD USED IN UG-291, FOR UMC TEST USE ALT_SYMBOLS	FX8-120S-SV(21)	CNHR5FX8-120S-SV_A	N/A	N/A
	18	3	E039192	DIO SCHOTTKY BARRIER, 0.1A	BAT54WS-7-F	SOD323-2	N/A	30V
	19	7	E030191	LED CHIMP LAMP RED, 640NM	APT1608LSECK/J3-PRV	LED0603	N/A	1.8V
	20	1	E041272	DIO SCHOTTKY 40V 1A SOD123F	CMM5H1-40L	SOD123F	N/A	40V
	21	1	E044494	LED SMD YELLOW CLEAR 590NM 0603	150060Y575000	LED0603	N/A	5V
	22	2	E027397	LED CHIP LAMP GREEN 525NM (CLEAR)	APT1608LZGCK	LED0603	N/A	2.65V
	25	1	E038542	IND FERRITE BEAD 0.35OHM DCR, 0.71A	120OHM	L0402	25	N/A
	26	1	E025252	CONN-PCB SQ POST SOCKET STRIP ST SINGLE ROW, 2.54MM PITCH	SSW-104-01-G-S	CNSAMTECSSW-104-XX-X-S	N/A	N/A
	27	1	E000939	CONN-PCB 2.1MM DC POWER, 1X M016045	DC-10A (FC08148)	CNCECDC-10	N/A	12V
	28	1	E019566	CONN-PCB RCPT, 100 INCH 5POS RA	SSW-105-02-G-S-RA	CNRCPTRA1XSH95LD35	N/A	N/A
	29	1	E022401	CON-PCB HDR GOLD DOUBLE ROW 6POS 2.54MM PITCH	5-146257-3	CNHDR2X3H343	N/A	N/A
	30	1	E025037	CONN-PCB HDR FEMALE ST 16POS 100MILS PITCH	PPTC161LFBN-RC	CNHDR1X16H341	N/A	N/A
	31	3	E052979	CONN-PCB 4MM PANEL SKT S16N-PC RA, RED	FCR7350R	CNCLJFFFCR7350	N/A	N/A
	32	1	E052978	CONN-PCB 4MM PANEL SKT S16N-PC RA, BLACK	FCR7350B	CNCLJFFFCR7350	N/A	N/A
	33	4	E008092	IND CHIP FERRITE BEAD 0805	1500 OHMS	L0805	25	N/A
	35	8	E007870	DIODE SS 100V 200MA	MMBD4148SE	SOT23	N/A	100V
	36	8	E014529	RES SMD 5.1 Ohm 5% 1/8W 0805 AEC-Q200		5.1 R0805	5	N/A
	37	4	E031875	RES SMD 4.7K Ohm 5% 1/10W 0603	4.7K	R0603	5	N/A
	38	24	E020747	RES SMD 1K Ohm 0.1% 1/10W 0603 AEC-Q200 SULFUR RESISTANT HIGH STABILITY	1K	R0603	0.1	75V
	39	12	E055883	RES SMD 249K OHM 1% 3/4W 2010	249K	R2010	1	N/A
	40	12	E004447	RES SMD 0 Ohm JUMPER 1/10W 0603 AEC-Q200		0 R0603		JUMPER
	41	11	E028377	RES SMD 10K Ohm 5% 1/10W 0603	10K	R0603	5	N/A
	43	5	E010279	RES SMD 100K Ohm 1% 1/10W 0603 AEC-Q200	100K	R0603	1	50V
	46	4	E024272	CONN-PCB SCREW TERMINAL BLOCK 5MM PITCH, 12-26AWG	MC000046	CNMULTICOMP-MC000046	N/A	N/A
	47	2	E039194	SWITCH TACTILE SPST-NO, 0.05A 12V	PTS645SM43MTR92LFS	SWMSMQ236H169	N/A	12V
	48	62	E006153	CONN-PCB TST PNT WHITE	WHT	CNKEY5001TP	N/A	N/A
	50	1	E050046	IC-ADI HIGH PERFORMANCE, POLYPHASE ENERGY, AND CLASS S POWER QUALITY MONITORING IC	ADE9430ACPZ	QFN40_6X6_PAD4_6X4_6	N/A	N/A
	51	1	E033632	CONN-PCB HDR MALE ST, 2.54MM PITCH, 8.08MM POST HEIGHT, 3.05MM SOLDER TAIL	PREC0008SFAN-RC	CNTHMHDR1X8L600W100H433	N/A	N/A
	52	2	E033652	CONN-PCB 8POS HDR MALE ST, 2.54MM PITCH, 8.08MM POST HEIGHT, 3.05MM SOLDER TAIL	PREC0008SFAN-RC	CNTHMHDR1X8L800W100H432	N/A	N/A
	53	1	E033651	CONN-PCB 10POS HDR MALE ST, 2.54MM PITCH, 8.08MM POST HEIGHT, 3.05MM SOLDER TAIL	PREC010SFAN-RC	CNTHMHDR1X10L1000W100H432	N/A	N/A
	55	1	E050990	IC 3.3V 5 TAP ECONOMY TIMING ELEMENT	DS1100LZ-25+	SO8	N/A	N/A
	56	1	E021877	IC TINYLOGIC UHS INVERTER	NC7SZ04P5X	SC70-5-2	N/A	N/A
	57	1	E021869	IC-TTL SINGLE D-TYPE FLIP-FLOP WITH ASYNCHRONOUS CLEAR	SN74LVC1G175DCKR	SC70-6	N/A	N/A
	58	1	E021747	IC-ADI 6-CH. DIGITAL ISOLATOR FOR SPI WITH DELAY CLOCK	ADUM3150ARSZ	SSOP20-4	N/A	N/A
	59	1	E050482	SKT, BATTERY HOLDER FOR CR1220 SMD	1056TR	SKTKEY1056	N/A	N/A
	60	1	E051219	IC-LIN LDO REGULATOR 3.3V 0.5A	MIC5219-3.3YM5	SOT23-5L-2	N/A	N/A
	61	1	E051231	IC-CMOS REAL TIME CLOCK (RTC)/CALENDAR I2C	PCF85823AT/AJ	SO8NB-5	N/A	N/A
	62	2	E021018	IC 32KBIT SERIAL EEPROM	24LC32A/SN	SO8	N/A	N/A
	64	1	E018875	IC-ADI 2.5KV, ISOLATED DC-DC CONVERTER	ADUM5000ARWZ	SO16WB	N/A	N/A
	65	1	E040476	IC-ADI 6-CHANNEL DIGITAL ISOLATORS	ADUM261N1BRIZ	SO16WB_A	N/A	N/A
	67	1	E051215	IC XTAL 32.768KHZ 12.5PF 35000 OHM	32.768KHZ	YTHL244W83H83	N/A	N/A
	68	1	E041028	IC CRYSTAL QUARTZ, 12PF 50OHM	24.576MEGHZ	YSML126W99H31	+/-20PPM	N/A
Callouts File:C:\tmp\20_068967g\worklib\02_068967f_top\bom\BR-068967a_mechparts.callouts								
Mechanical Parts								
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	JEDEC_TYPE	TOL	VOLTAGE	WATTAGE
	2	1	M029337	JUMPER OPEN TOP, 2.54MM CONTACT CENTER, BLACK	?	N/A	?	?
	3	6	M054584	NUT, M3X0.5 HEX NUT 0.217	?	N/A	?	?
	4	6	M054585	WASHER, M3 FLAT 0.031	?	N/A	?	?
	5	6	M054583	STANDOFF, HEX THREADED M3 ALUMINUM 1.181	?	N/A	?	?
The following components are part of the PCB or are NOT to be installed								
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	JEDEC_TYPE	TOL	VOLTAGE	WATTAGE
	5	8	E000383	DO NOT INSTALL (TBD_C0805) PLEASE USE SYM_3 AND/OR SYM_4	TBD0805	C0805	TBD0805	TBD0805
	10	4	E025322	CAP CER 4.7uF 10V 10% X5R 0603	4.7uF	C0603	10	10V
	12	2	E031467	CAP CER 0.1uF 50V 5% X7R 0805	0.1uF	C0805	5	50V
	13	4	E025708	NRND-CAP CER 0.1uF 25V 10% X7R 0402 AEC-Q200	0.1uF	C0402	10	25V
	14	1	E038268	CAP CER 10uF 25V 10% X5R 0805	10uF	C0805H53	10	25V
	23	1	E027397	LED CHIP LAMP GREEN 525NM (CLEAR)	APT1608LZGCK	LED0603	N/A	2.65V
	24	1	E033357	LED CLEAR BLUE, 470NM	APT1608LVB/C/D	LED0603	N/A	2.65V
	34	1	E050977	IND FERRITE BEAD 40OHM 25% 100MHZ 0.6A 0.1OHM 0603	40OHM AT 100MEGHZ	L1608	25	N/A
	42	2	E004050	DO NOT INSTALL (TBD_R0603), PLEASE USE SYM_3 AND/OR SYM_4	TBD0603	R0603	TBD0603	N/A
	44	2	E036032	RES SMD 270 Ohm 1% 1/10W 0603 AEC-Q200		270 R0603	1	N/A
	45	2	E028377	RES SMD 10K Ohm 5% 1/10W 0603	10K	R0603	5	N/A
	49	2	E006153	CONN-PCB TST PNT WHITE	WHT	CNKEY5001TP	N/A	N/A
	54	2	E007024	IC SINGLE BIT BUS TRANCEIVER W/ 3-OUTPUTS	SN74LVC1T45DBVT	SOT23_6	N/A	N/A
	63	1	E005972	IC FT232R USB UART	FT232RL	SSOP28	N/A	N/A
	66	1	E017088	CONN-PCB USB MINI-B RECEPTACLE ASSY	54819-0589	CNMOLEX54819-0589	N/A	N/A

STOCKROOM_NSH	CUSTOM_PART	DNI
?	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
7002671	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
6000923	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
6001905	?	?
6002342	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
7004000	?	?
7007818	?	?
N/A	?	?
N/A	?	?
N/A	?	?
7008623	?	?
7009726	?	?
N/A	?	?
N/A	?	?
N/A	?	?
6001075	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
STOCKROOM_NSH	CUSTOM_PART	DNI
N/A	?	?
N/A	?	?
N/A	?	?
N/A	?	?
STOCKROOM_NSH	CUSTOM_PART	DNI
N/A	?	DNI
N/A	?	DNI
N/A	?	DNI
N/A	?	DNI
N/A	?	DNI
N/A	?	DNI
N/A	?	DNI
N/A	?	DNI
N/A	?	DNI
N/A	?	DNI
7009726	?	DNI
6001075	?	DNI
1005954	?	DNI
1004456	?	DNI
6001671	?	DNI