

TITLE: Bill of Materials

BOM NO: 05-072492-01-a.csv

DATE: 11/28/2022

DESIGN: 02_072492a_top

TEMPLATE: Z:\allegro\v174_site\cdssetup\template.bom

CALLOUT:

ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	JEDEC_TYPE	TOL	VOLTAGE	WATTAGE	LOCATION	MFG	MFG_PN	
1	1	08_072492a	PCB	?	?	?	?	?	?	Analog Devices Supplied	08_072492a	
2	9	E033317	CAP CER 0.1uF 16V 5% X7R 0402	0.1uF	C0402		5 16V	N/A	C1,C2,C3,C5,C14,C15,C16,C18,C21	KEMET	C0402C104J4RACTU	
3	8	E005339	CAP CER 0.027uF 50V 10% X7R 0603	0.027uF	C0603		10 50V	N/A	C6,C7,C8,C9,C10,C11,C12,C13	VISHAY	VJ0603Y273KXAT	
4	5	E026618	CAP CER 1uF 25V 10% X5R 0402 CAP CER 0.047uF 25V 10% X7R 0402 AEC-Q200	1uF	C0402		10 25V	N/A	C17,C19,C20,C22,C23	TDK	C1005X5R1E105K050BC	
5	1	E033912	CONN-PCB RCPT 25MIL SQ POST 2.54MM PITCH	0.047uF	C0402		10 25V	N/A	C4	KEMET	C0402C473K3RACAUTO	
6	1	E020477	CONN-PCB 16POS MALE SHROUDED HDR DUAL ROW ST 1.27MM PITCH, 2.4MM SOLDER TAIL	SSQ-106-03-G-S	CNSAMTECSSQ-106-XX-X-S	N/A	N/A	N/A	P1	SAMTEC	SSQ-106-03-G-S	
7	1	E059463	CONN-PCB RCPT 25MIL SQ POST 2.54MM P	3220-16-0100-00	CNTHMHDR2X8L650W197H201	N/A	N/A	N/A	P10	CNC TECH	3220-16-0100-00	
8	2	E020478	CONN-PCB RCPT 25MIL SQ POST 2.54MM PITCH	SSQ-108-03-G-S	CNSAMTECSSQ-108-XX-X-S	N/A	N/A	N/A	P2,P5	SAMTEC	SSQ-108-03-G-S	
9	1	E020479	CONN-PCB 4POS HDR MALE PINS BOARD TO WIRE RA 2.5MM PITCH 2.1MM SOLDER TAIL	SSQ-110-03-G-S	CNSAMTECSSQ-110-XX-X-S	N/A	N/A	N/A	P4	SAMTEC	SSQ-110-03-G-S	
10	4	E059590	RES SMD 100K Ohm 5% 1/16W 0402	1814867	CNPHOENIX1814867	N/A	N/A	N/A	P6,P7,P8,P9	PHOENIX CONTACT	1814867	
12	15	E017051	RES SMD 0 Ohm 5% 1/16W 0402	100K	R0402		5 N/A	1/16W	R10,R13,R15,R17,R19,R20,R21,R22,R23,R24,R25,R26,R36,R47,R48	YAGEO	RC0402JR-07100KL	
13	16	E034483	RES SMD 0 Ohm JUMPER 1/10W 0603		0 R0603	JUMPER	N/A	1/10W	R7,R8,R11,R14,R18,R35,R37,R38,R39,R40,R41,R42,R45,R46,R49,R50	YAGEO	RC0603JR-070RL	
15	3	E017855	RES SMD 1K OHM 1% 1/4W 0603 AEC-Q200	100K	R0402		1 50V	1/16W	R2,R3,R6	MULTICOMP (SPC)	MC 0.0625W 0402 1% 100K	
16	8	E057925	CONN-PCB TEST POINT BLACK	1K	R0603		1 N/A	1/4W	R27,R28,R29,R30,R31,R32,R33,R34	VISHAY	RCS06031K00FKEA	
18	1	E019484	IC 32KBIT SERIAL EEPROM	24AA32A-I/SN	SO8	N/A	N/A	?	TP13	VERO TECHNOLOGIES	20-2137	
19	1	E034913	IC -ADI LOW VOLTAGE 4-78 CHANNEL MULTI	ADG708BRUZ	TSSOP16	N/A	N/A	?	U1	MICROCHIP TECHNOLOGY	24AA32A-I/SN	
20	1	E005073	IC-ADI LOW VOLTAGE 8-CH BIDIR LOGIC LEVEL TRANSLATOR	ADG3308B	CPZ-REEL	QFN20_4X4_PAD2_1X2_1	N/A	N/A	?	U2	ADI	ADG708BRUZ
21	1	E007592		ADG3308B	CPZ-REEL	QFN20_4X4_PAD2_1X2_1	N/A	N/A	?	U3	ANALOG DEVICES	ADG3308B

22	1	E054755	IC I2C PORT EXPANDER WITH EIGHT PUSH-PULL OUTPUTS	MAX7320ATE+T	QFN16_3X3_PAD1_1X1_1	N/A	N/A	?	U4	MAXIM INTEGRATED	MAX7320ATE+T
23	1	E030233	IC-ADI 16-BIT, 16-CH, 500 KSPS/1 MSPS, EASY DRIVE MULTIPLEXED SAR ADC	AD4696BCPZ	QFN32_5X5_PAD3_1X3_1	N/A	N/A	?	U5	ANALOG DEVICES	AD4696BCPZRL7
24	1	E014189	IC-ADI MICROPWR V-REF 2.5V OUT	ADR3425ARJZ	SOT23_6-2	N/A	N/A	?	U6	ANALOG DEVICES	ADR3425ARJZ-R7
25	1	E020468	IC-ADI VERY LOW QUIESCENT CURRENT, LDO REG, PRELIM	ADP165ACPZ-1.2	DFN6_2X2_PAD1_6X1	N/A	N/A	?	U7	ANALOG DEVICES	ADP165ACPZ-1.2

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	LOCATION	MFG	MFG_PN
11	3	E003438	RES SMD 0 Ohm JUMPER 1/10W 0402 AEC-Q200		0 R0402	JUMPER	N/A	1/10W	R1,R4,R5	PANASONIC	ERJ-2GE0R00X
14	2	E017051	RES SMD 100K Ohm 5% 1/16W 0402	100K	R0402		5 N/A	1/16W	R9,R12	YAGEO	RC0402JR-07100KL
17	2	E034483	RES SMD 0 Ohm JUMPER 1/10W 0603		0 R0603	JUMPER	N/A	1/10W	R43,R44	YAGEO	RC0603JR-070RL