

Title: Bill of Materials									
BOM NO: 05-076101-01-a.csv									
DATE: 01/29/2024									
DESIGN: 02_076101a_top									
TEMPLATE: Z:\allegro\v174_site\cdssetup\template.bom									
CALLOUT: C:\tmp\02_076101a\worklib\02_076101a_top\bom\my_bom.callouts									
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	HLM_STATUS	DNI
1	1	08_076101	PCB	?	?	Analog Devices Supplied	08_076101a	N/A	?
2	1	E035948	CAP CER 4.7uF 25V 10% XSR 0603 AEC-Q200	4.7uF	C1	MURATA	GRT188R61E475KE13D	REL	?
3	2	E035806	CAP CER 100pF 50V 10% X7R 0603	100pF	C10,C11	YAGEO	CC0603KRX7R9BB101	REL	?
4	1	E015913	CAP CER 2200pF 50V 10% X8R 0603	2200pF	C12	TDK	C1608XR81H22KC	REL	?
6	1	E019647	CAP CER 3300pF 50V 10% X7R 0603	3300pF	C14	YAGEO	CC0603KRX7R9BB8332	REL	?
7	5	E013746	CAP CER 0.1uF 25V 10% X7R 0603	0.1uF	C2,C3,C4,C15,C17	KEMET	CO603C104K3RACTU	REL	?
8	2	E024743	CAP CER 100pF 50V 10% X7R 0603	100pF	C20,C24	KEMET	CO603C101KSRAAC	REL	?
9	1	E033832	CAP CER 1uF 25V 10% X7R 0603 AEC-Q200	1uF	C23	MURATA	GCM188R71E105KA64D	REL	?
10	1	E024908	CAP CER 0.1uF 100V 10% X7R 0603	0.1uF	C25	MURATA	GRM188R72A104KA35D	REL	?
11	2	E042649	CAP CER 1000pF 25V 10% X7R 0603	1000pF	C5,C7	AVX CORPORATION	06033C102KAT2A	REL	?
12	2	E030841	CAP ALUM ELECT 47uF 100V 20% 10x10mm AEC-Q200	47uF	CIN1,CIN2	NICHICON CORPORATION	UUX2A470MNL1GS	REL	?
14	2	E014208	CAP CER 1uF 100V 10% X7S 0805	1uF	CIN11,CIN13	TDK	C2012X752A105K125AB	REL	?
16	4	E044329	CAP CER 10uF 100V 10% X7S 1210	10uF	CIN3,CIN4,CIN7,CIN8	MURATA	GRM32EC72A106KE05L	REL	?
17	8	E011548	CAP CER 22uF 16V 10% X7R 1210	22uF	COUT1,COUT2,COUT7,COUT8,COUT9,COUT10,COUT11,COUT12	MURATA	GRM32ER71C226KEA8L	REL	?
18	2	E046068	CAP TANT POLY 150uF 16V 20% 7343 0.05 OHM	150uF	COUT3,COUT5	PANASONIC	16TQC150MYF	REL	?
15	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	E1,E2,E3,E4,E5,E6,E7,E8,E9,E10,E11,E12,E13,E14,E15	J1,J2,J3,J4,J5,J6	MILL-MAX	2501-2-00-80-00-00-07-0	REL	?
21	6	E012555	CONN-PCB BANANA JACK	575-4	L1	KEYSTONE ELECTRONICS	575-4	REL	?
22	1	E041158	IND POWER 2.2UH 0.0022OHM DCR, 16A AEC-Q200	2.2UH	L1	WURTH ELEKTRONIK	74439369022	REL	?
23	1	E061689	IND POWER 4.7UH 0.005 OHM DCR, 13.5A AEC-Q200	4.7UH	L2	WURTH ELEKTRONIK	74439369047	REL	?
25	2	E043044	CONN-PCB 6POS UNSHROUDED HEADER VERT 2MM PITCH	TMM-103-02-L-D	P1,P2	SAMTEC INC.	TMM-103-02-L-D	REL	?
26	2	E064575	TRAN MOSFET N-CHANNEL 100V 14A	BSC146N10LS5ATMA1	Q1,Q4	INFINEON TECHNOLOGIES	BSC146N10LS5ATMA1	REL	?
27	2	E064576	TRAN MOSFET N-CHANNEL 100V 14A	BSC070N10LS5ATMA1	Q2,Q3	INFINEON TECHNOLOGIES	BSC070N10LS5ATMA1	REL	?
28	2	E027219	RES SMD 1MEG Ohm 5% 1/10W 0603 AEC-Q200	1MEG	R1,R5	VISHAY	CRCW06031M00INEA	REL	?
30	16	E007502	RES SMD 0 Ohm JUMPER 1/10W 0603 AEC-Q200 PRECISION POWER	0	R2,R4,R8,R9,R11,R13,R14,R15,R16,R18,R25,R28,R43,R50,R52,R55	VISHAY	CRCW06030000Z0EA	REL	?
31	2	E004448	RES SMD 0 Ohm JUMPER 1/4W 1206 AEC-Q200	0	R12,R17	PANASONIC	ERJ-8GEYOR0DV	REL	?
32	1	E021124	RES SMD 3.83K Ohm 0.1% 1/10W 0603 AEC-Q200 HIGH RELIABILITY	3.83K	R20	PANASONIC	ERA-3AE83831V	REL	?
33	1	E023336	RES SMD 7.68K Ohm 1% 1/10W 0603 AEC-Q200	7.68K	R21	VISHAY	CRCW06037K68FKEA	REL	?
34	1	E024301	RES SMD 1.4MEG Ohm 1% 1/10W 0603 AEC-Q200	1.4MEG	R23	VISHAY	CRCW06031M40FKEA	REL	?
35	2	E003666	RES SMD 10 Ohm 1% 1/10W 0603 AEC-Q200	10	R24,R29	PANASONIC	ERJ-3EK110R0V	REL	?
36	2	E010279	RES SMD 100K Ohm 1% 1/10W 0603 AEC-Q200	100K	R32,R57	PANASONIC	ERJ-3EK11003V	REL	?
37	1	E012707	RES SMD 75K Ohm 1% 1/10W 0603 AEC-Q200	75K	R37	PANASONIC	ERJ-3EK7F502V	REL	?
38	1	E028373	RES SMD 52.3K Ohm 1% 1/8W 0805 AEC-Q200	52.3K	R40	PANASONIC	ERJ-6ENF5232V	REL	?
39	1	E003254	RES SMD 10K Ohm 1% 1/8W 0805 AEC-Q200	10K	R42	PANASONIC	ERJ-6ENF1002V	REL	?
41	1	E003678	RES SMD 1K Ohm 1% 1/10W 0603 AEC-Q200	1K	R49	PANASONIC	ERJ-3EK11001V	REL	?
42	2	E003749	RES SMD 1MEG Ohm 1% 1/10W 0402 AEC-Q200	1MEG	R56,R62	PANASONIC	ERJ-2RK11004X	REL	?
43	2	E015181	RES SMD 1 Ohm 1% 1/10W 0603	1	R6,R7	YAGEO	RC0603FR-071RL	REL	?
44	2	E064574	RES SMD 0.0035 OHM 1% 1W 2512 AEC-Q200	0.0035	RS1,RS2	VISHAY	WSL25123L500FEA	REL	?
45	2	E025828	SWITCH SLIDE DPDT 300MA 6V	JS202011CQN	S1,S2	C&K	JS202011CQN	REL	?
46	1	E057724	IC-ADI LOW IQ_DUAL_2-PHASE SYNCHRONOUS STEP-DOWN CONTROLLER FOR GAN FETS PRELIM	LTC7890RUJMPBF	U1	ANALOG DEVICES	LTC7890RUJMPBF	RWC	?
Mechanical Parts									
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	HLM_STATUS	DNI
2	2	M033288	SHUNT, 2MM JUMPER WITH TEST POINT	?	?	WURTH ELEKTRONIK	60800213421	REL	?
3	4	M048748	STANDOFF, BRD SPT SNAP FIT 15.9MM LENGTH	?	?	KEYSTONE	8834	REL	?
The following components are part of the PCB or are NOT to be installed									
ITEM#	Qty	WW_PN	DESCRIPTION	VALUE	LOCATION	MFG	MFG_PN	HLM_STATUS	DNI
5	9	E000382	DO NOT INSTALL (TBD_C0603) PLEASE USE SYM_3 AND/OR SYM_4	TBD0603	C6,C8,C9,C13,C16,C18,C19,C21,C22	TBD0603	TBD0603	REL	DNI
13	4	E044329	CAP CER 10uF 100V 10% X7S 1210	10uF	CIN5,CIN6,CIN9,CIN10	MURATA	GRM32EC72A106KE05L	REL	DNI
15	2	E014208	CAP CER 1uF 100V 10% X7S 0805	1uF	CIN12,CIN14	TDK	C2012X752A105K125AB	REL	DNI
19	2	E046068	CAP TANT POLY 150uF 16V 20% 7343 0.05 OHM	150uF	COUT4,COUT6	PANASONIC	16TQC150MYF	REL	DNI
24	2	E047808	IND POWER SHIELDED WIREWOUND 2UH 20% 100KHZ 40A 1.34MOHM 18.7X19.18MM AEC-Q200	2UH	L3,L4	COILCRAFT INC.	SER2011-202MLD	REL	DNI
29	25	E004050	DO NOT INSTALL (TBD_R0603), PLEASE USE SYM_3 AND/OR SYM_4	TBD0603	R3,R10,R19,R22,R26,R27,R30,R31,R33,R34,R35,R36,R38,R39,R41,R44,R51,R53,R54,R55,R58,R60,R61,R63,R66	TBD0603	TBD0603	REL	DNI
40	4	E011817	DO NOT INSTALL (TBD_R2512), PLEASE USE SYM_3 AND/OR SYM_4	TBD_SPACER_2512	R45,R46,R47,R48	TBD2512	TBD2512	REL	DNI
Callouts File:C:\tmp\02_076101a\worklib\02_076101a_top\bom\my_bom.callouts									