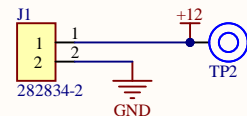
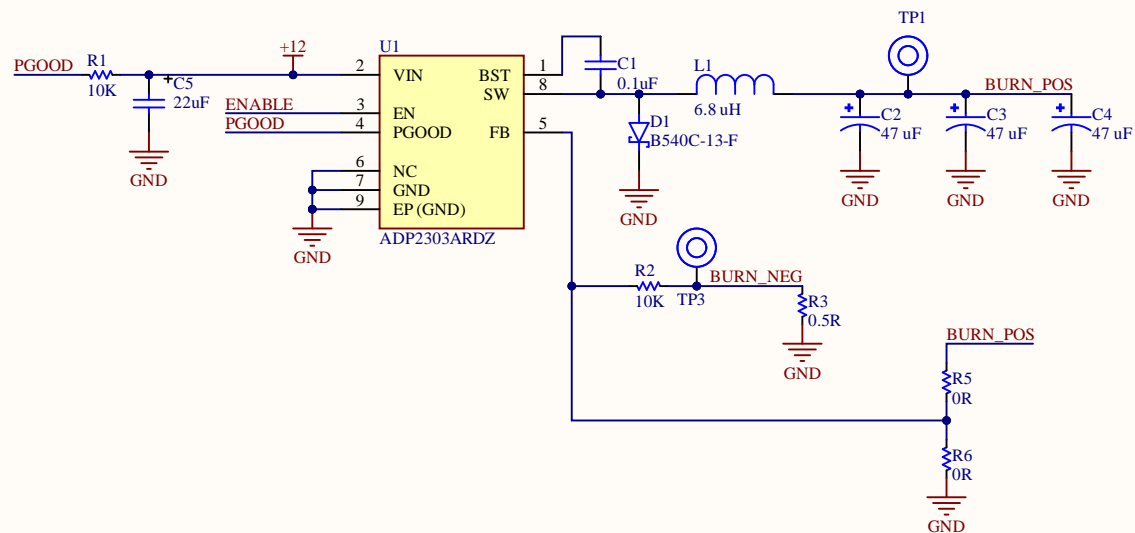


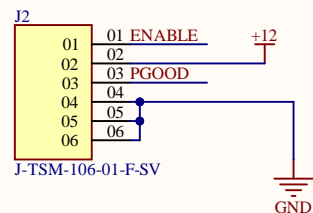
## Power IN



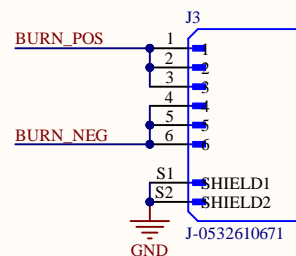
## Constant Current



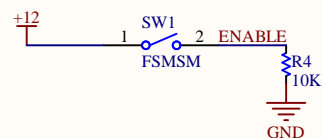
## Control Header



## Output Connector



## Button Option



Title		
Burn Wire Dev Board		
Size	Number	Revision
A4		rev 1.0
Date:	3-07-2023	Sheet of
File:	C:\Users\...\Burn Wire Dev Board.SchDoc	Drawn By: James Chen

Designator	Description	Manufacturer	Manufacturer Part #	Quantity
*1, *2, *3				3
C1	0.1 $\mu$ F $\pm$ 10% 25V Ceramic Capacitor X7R 0603 (1608 Metric)	Samsung Electro-Mechanics	CL10B104KA8NNN C	1
C2, C3, C4	CAP ALUM POLY 47UF 20% 25V SMD	Panasonic Electronic Components	25SVPF47M	3
C5	CAP TANT 22UF 10% 10V 1206	KYOCERA AVX	TPSA226K010T0900	1
D1	DIODE SCHOTTKY 40V 5A SMC	Diodes Incorporated	B540C-13-F	1
J1	TERM BLK 2P SIDE ENT 2.54MM PCB	TE Connectivity AMP Connectors	282834-2	1
J2	CONN HEADER SMD 6POS 2.54MM	Samtec Inc.	TSM-106-01-F-SV	1
J3	CONN HEADER SMD R/A 6POS 1.25MM			1
L1	FIXED IND 6.8UH 8A 23.3 MOHM SMD	Vishay Dale	IHLP4040DZER6R8M01	1
R1, R2, R4	RES 10K OHM 1% 1/8W 0603	Stackpole Electronics Inc	RNCP0603FTD10K0	3
R3	RES 0.5 OHM 1% 1W 2010	Vishay Dale	WSLT2010R5000FEA18	1
R5, R6	0 Ohms Jumper 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	Stackpole Electronics Inc	RMCF0603ZTOR00	2
SW1	FSMSM Push Button Switch, 50 mA, -35 to 85 degC, 2-Pin SMD, RoHS, Bulk	TE Connectivity		1
TP1, TP2, TP3, TP4, TP5	Test Point			5
U1	IC REG BUCK ADJUSTABLE 3A 8SOIC	Analog Devices Inc.	ADP2303ARDZ	1