

A

B

C

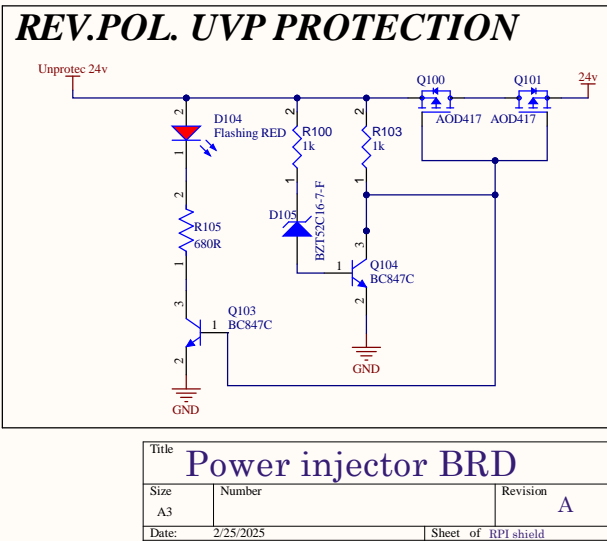
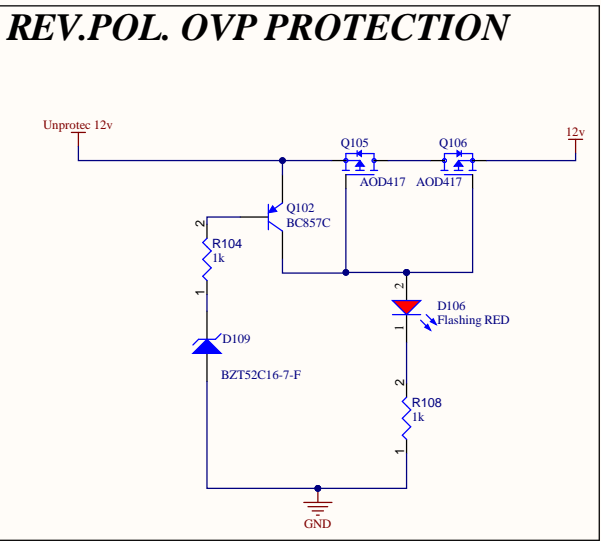
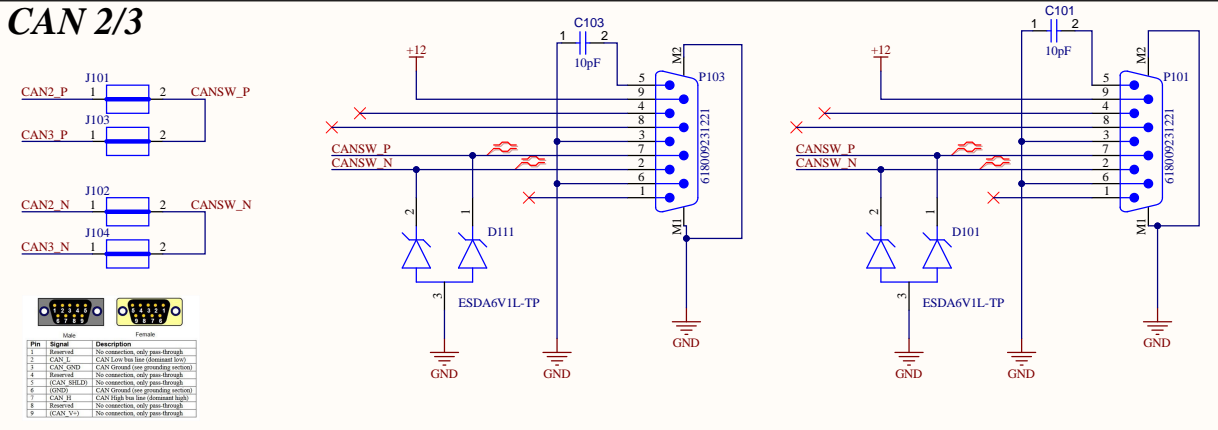
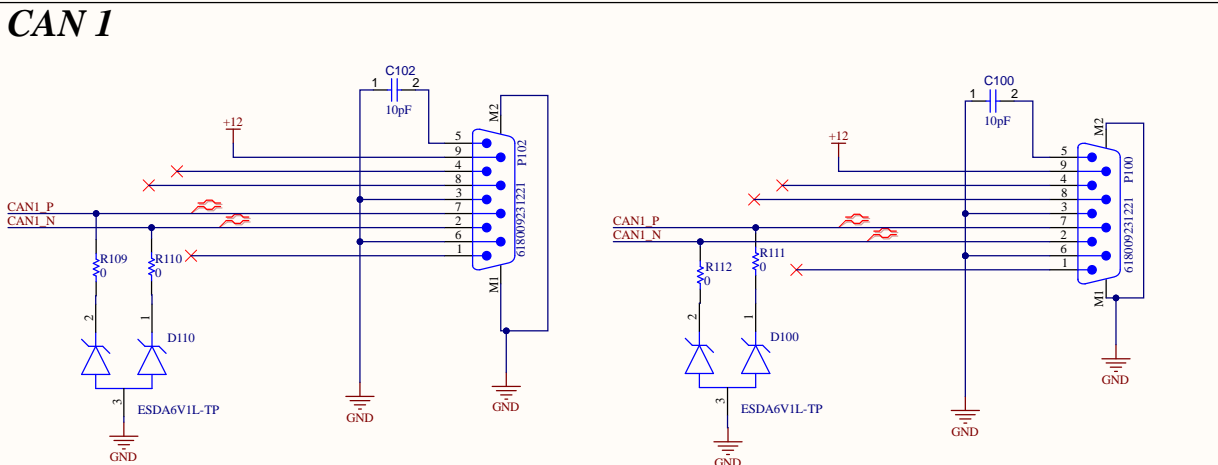
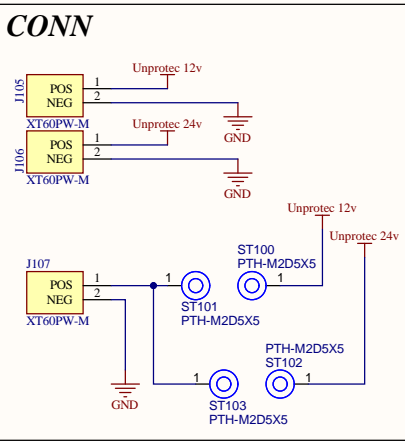
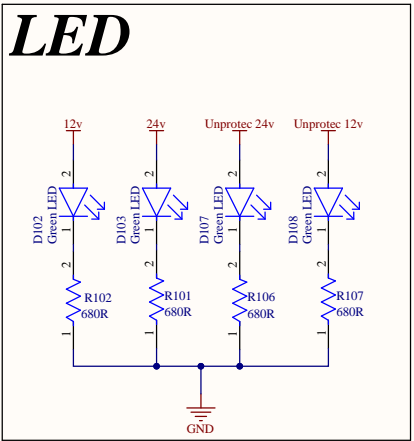
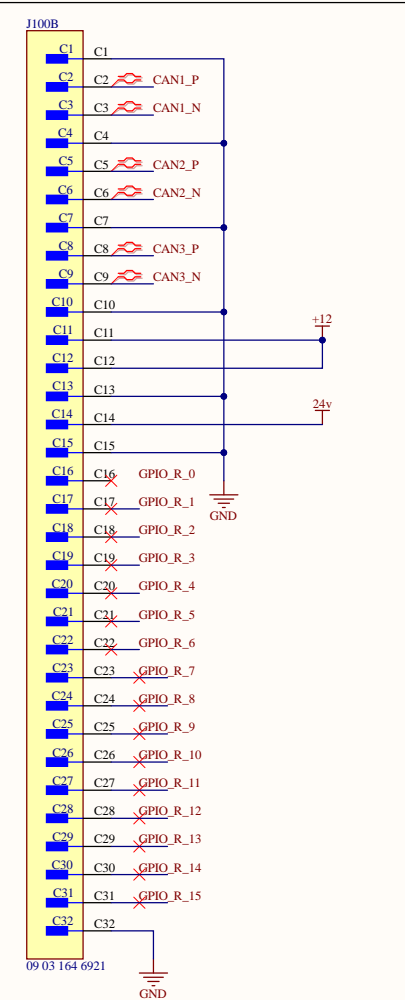
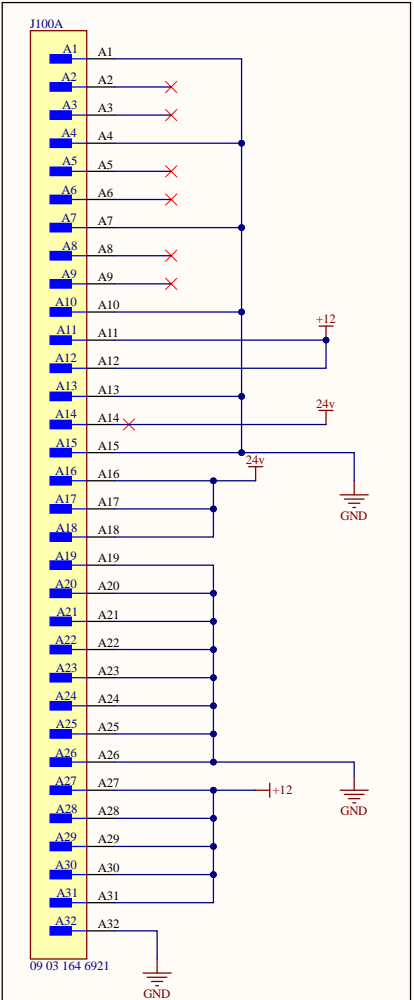
D

A

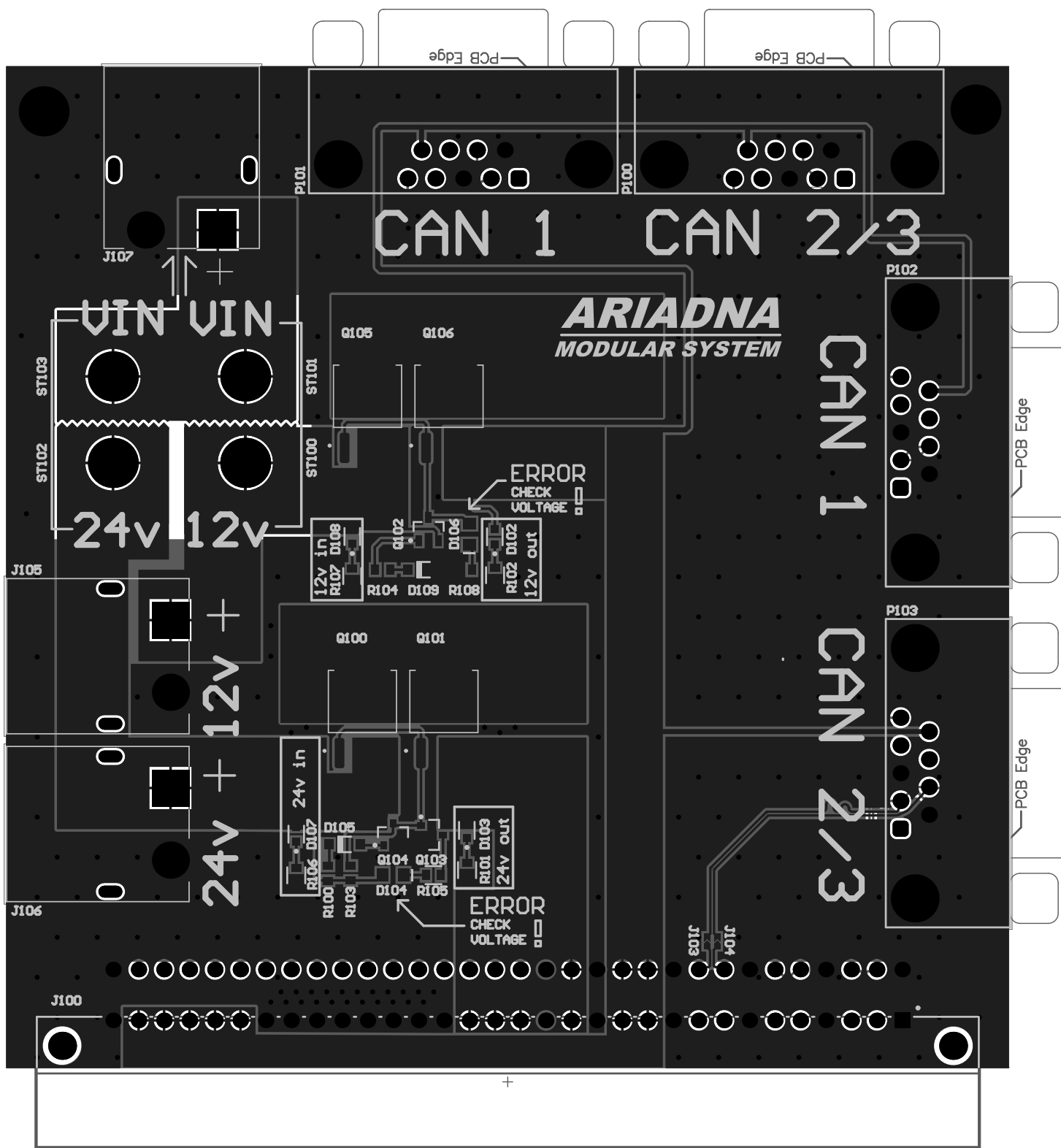
B

C

D



Title			Power injector BRD	
Size	Number	Revision		A
A3				
Date:	2/25/2025	Sheet of RPI shield		
File:	F:\Projects\...\main.SchDoc	Drawn By: Artem Horionov		



Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	Capacitor 10 pF +/- 0.25 pF 50 V 0402	Chip Capacitor, 10 pF, +/- 0.25 pF, 50 V, 0402 (1005 Metric)	C100, C101, C102, C103		Unknown server		4							
	ESDA6V1L-TP	TVSDIODE5.25V SOT23	D100, D101, D110, D111		Unknown server		4	MCC	ESDA6V1L-TP	Volume Production				
	Green LED	LED GREEN DIFFUSED 0603 SMD	D102, D103, D107, D108		Unknown server		4	Broadcom Avago	HSMEC191					
	Flashing RED	Led, Red, 630 Nm, 1.9 V, 30 Ma, 60 Mcd Rohs Compliant: Yes	D104, D106		Unknown server		2	Würth Electronics	150080SS75000	Volume Production				
	BZT52C16-7-F	Surface Mount Zener Diode, 16 V, -65 to 125 degC, SOD123, RoHS, Tape and Reel	D105, D109		Unknown server		2	Diodes	BZT52C16-7-F	Volume Production				
	09 03 164 6921	CONN DIN HDR 96POS PCB RA	J100		Unknown server		1	HARTING Technology	09031646921	Volume Production				
	JUMPER	JUMPER	J101, J102, J103, J104		Unknown server		4							
	XT60PW-M	Socket, DC supply, male, PIN: 2	J105, J106, J107		Unknown server		3	Amass	XT60PW-M					
	618009231221		P100, P101, P102, P103		Unknown server		4	Würth Electronics	618009231221	Volume Production				
	AOD417	P-Channel 30V 25A _Ta_ 2.5W _Ta_ 50W _Tc_ Surface Mount TO-252 _D-Pak_	Q100, Q101, Q105, Q106		Not managed		4	Alpha & Omega Semiconductor	AOD417	Obsolete				
	BO357C	PNP Silicon AF Transistor, 45 V VCEO, 100 mA IC, SOT23, Reel, Green	Q102		Unknown server		1	Infineon	BO357C					
	BO347C	NPN Silicon AF Transistor, 45 V VCEO, 100 mA IC, SOT23, Reel, Green	Q103, Q104		Unknown server		2	Infineon	BO347C					
	Resistor 1k +/-1% 0603 100 mW	Chip Resistor, 1 KOhm, +/-1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric)	R100, R103, R104, R108		Unknown server		4	Panasonic	ERJ-3BK1001V	Volume Production				
	680R	RES Thick Film, 6800, 1%, 0.1W, 100ppm/°C, 0603	R101, R102, R105, R106, R107		Unknown server		5							
	Resistor 0R.0402 63 mW	Chip Resistor, 0 Ohm, 0.063 W, -55 to 155 degC, 0402 (1005 Metric)	R109, R110, R111, R112		Unknown server		4							
	PTH-M2D5X5	M2 PTH (2.5mm), 5mm pad	ST100, ST101, ST102, ST103		Unknown server		4							