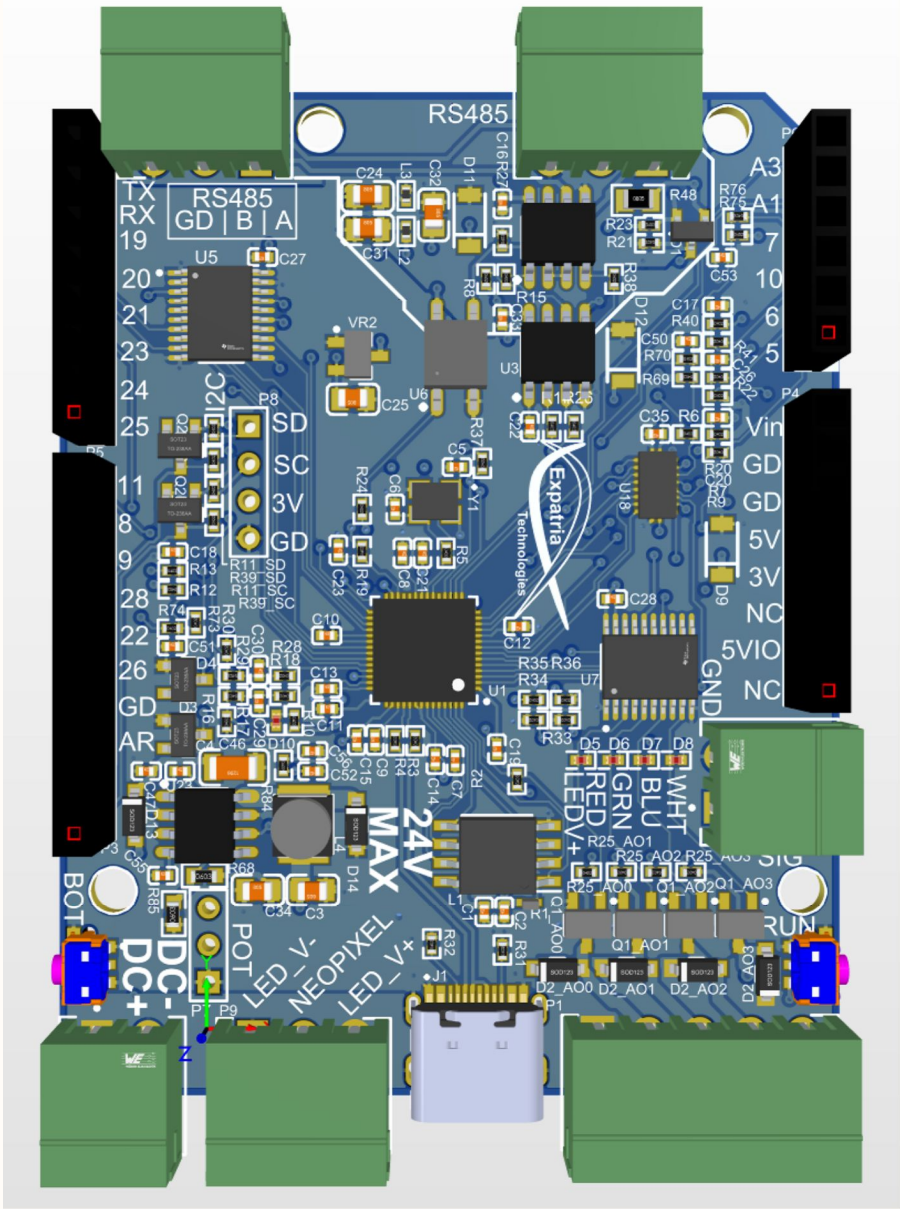


RP2040 PicoHAL



PicoHAL
RP2040_UNO_CNC_board.SchDoc



Mechanical

PCB
LOGO
Expatria Technologies



ZZ1
Assembly Note
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ2
Assembly Note
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ3
Assembly Note
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

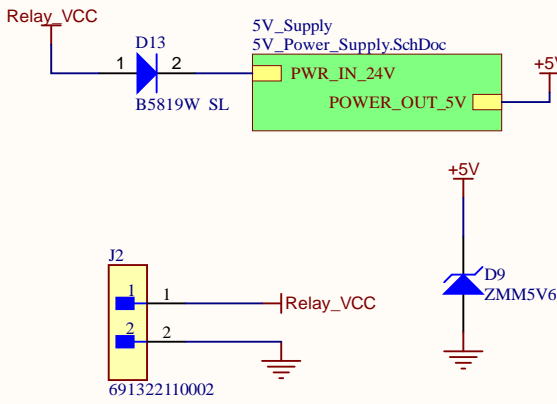
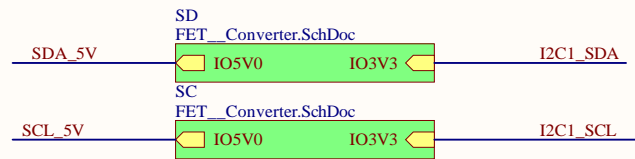
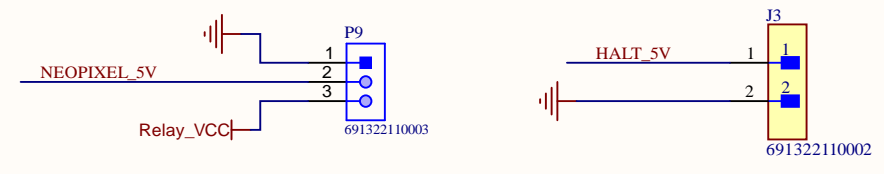
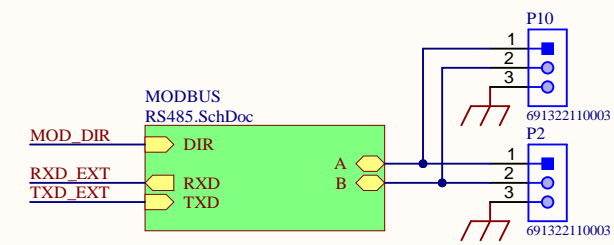
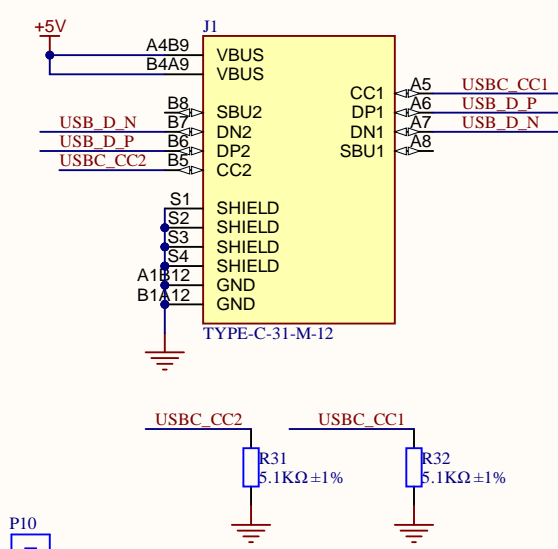
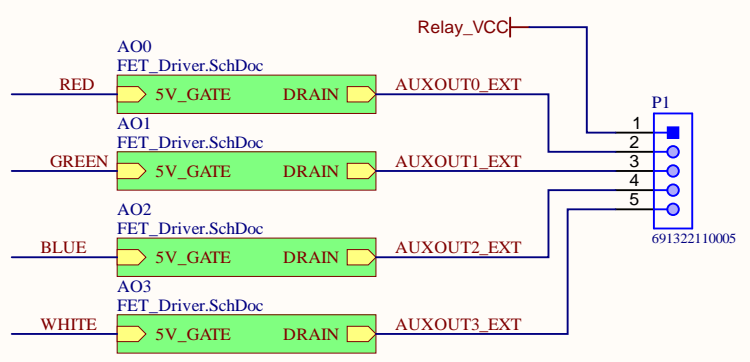
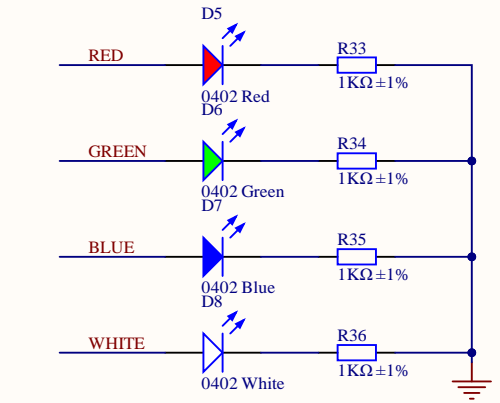
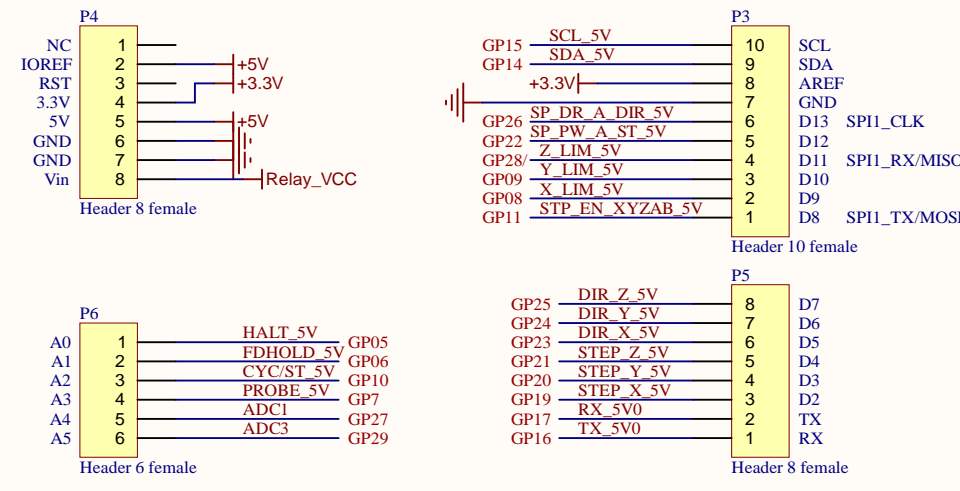
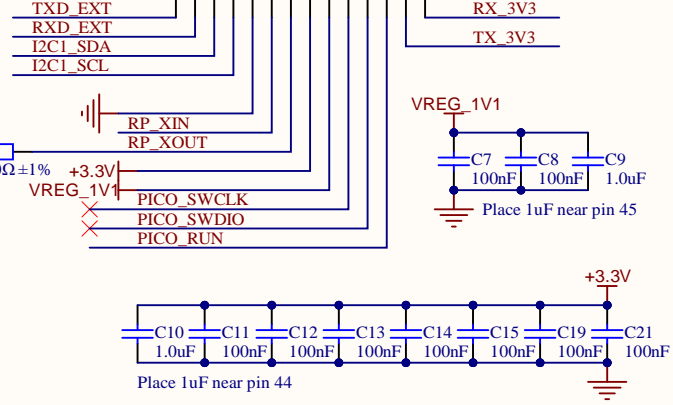
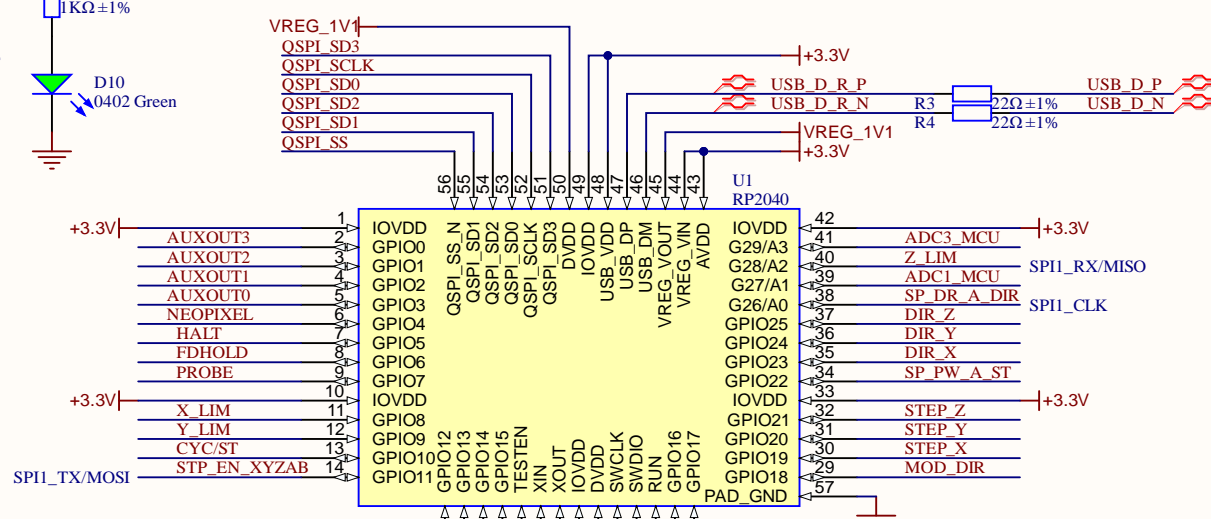
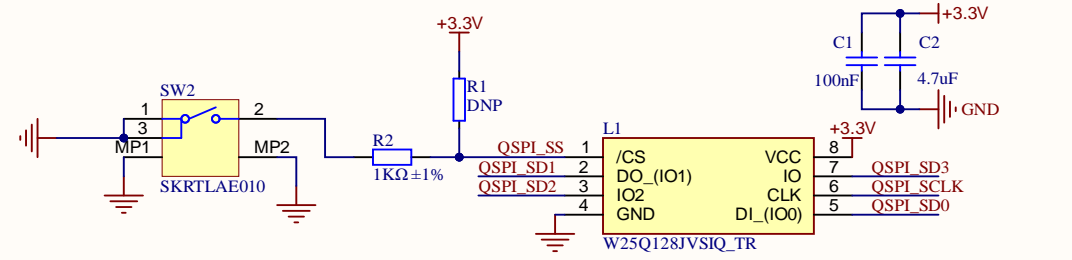
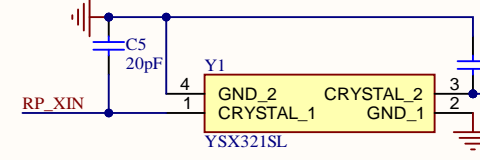
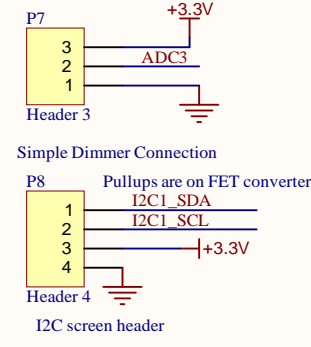
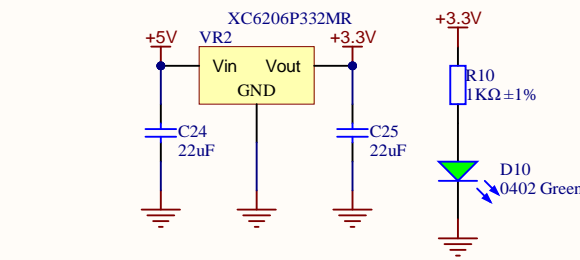
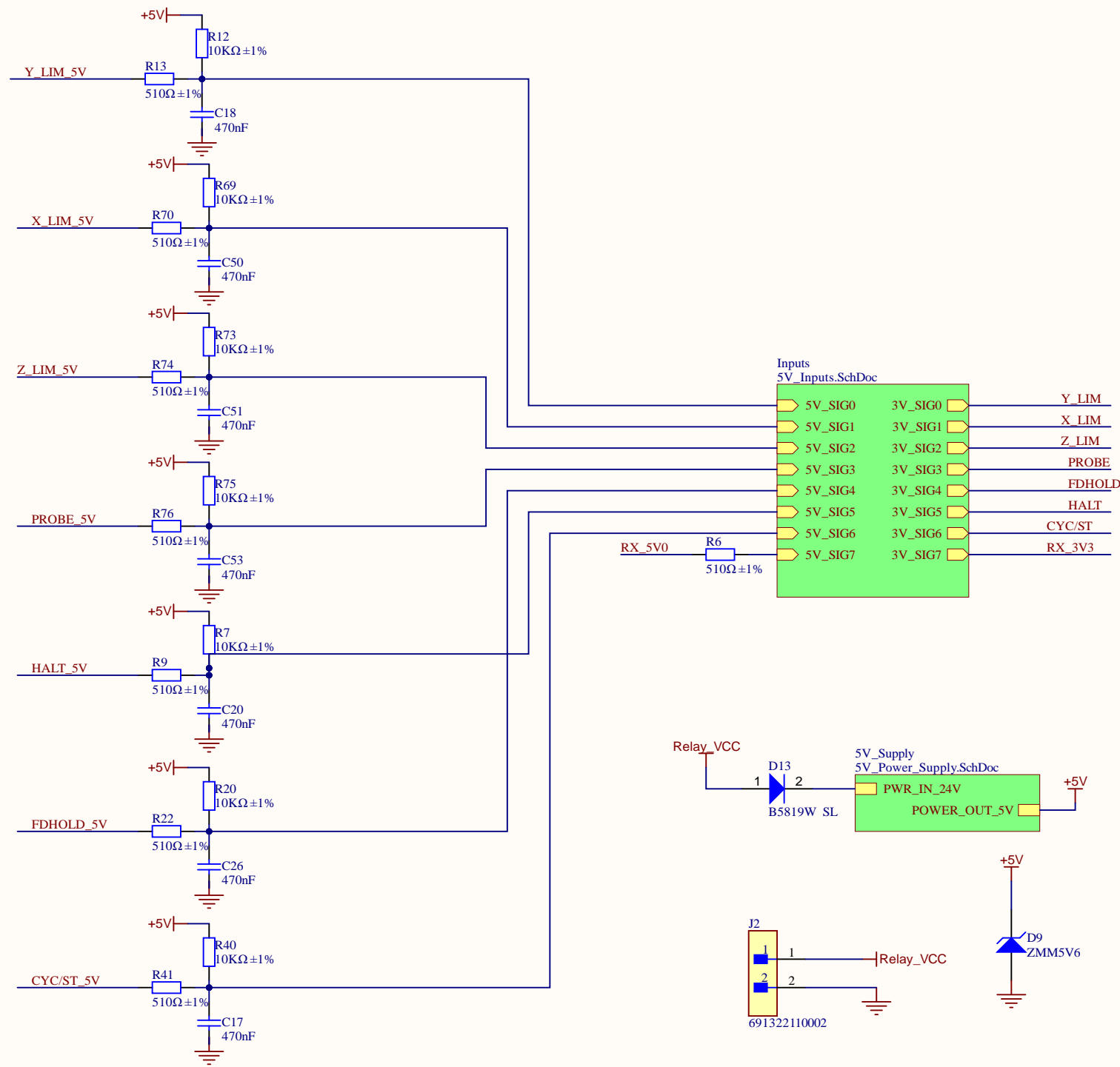
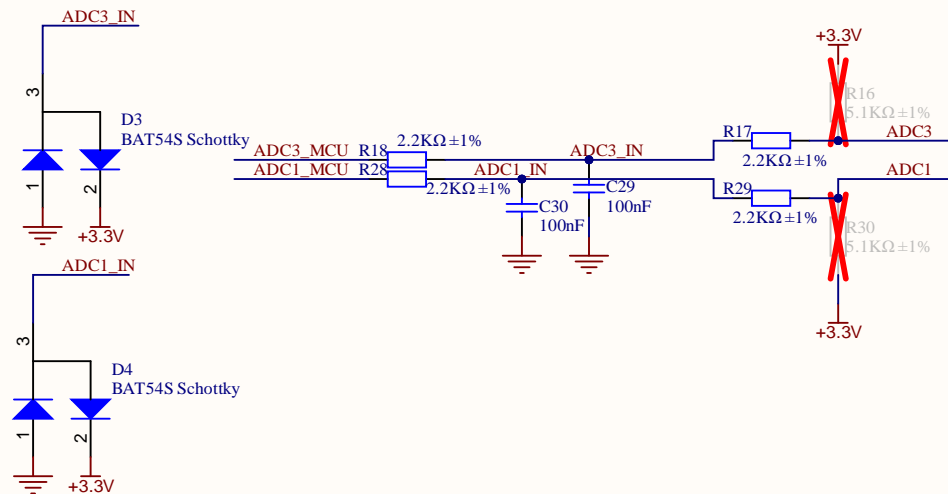
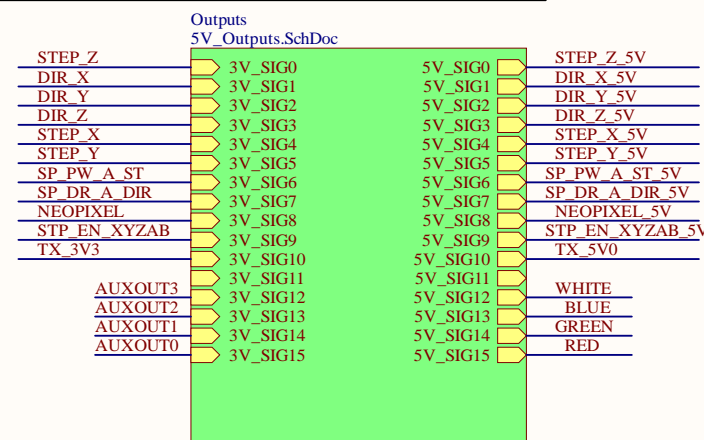
Copyright Expatria Technologies
2023. This document describes Open
Hardware and is licensed under the
CERN-OHL-S v2. No warranty is
implied or expressed.

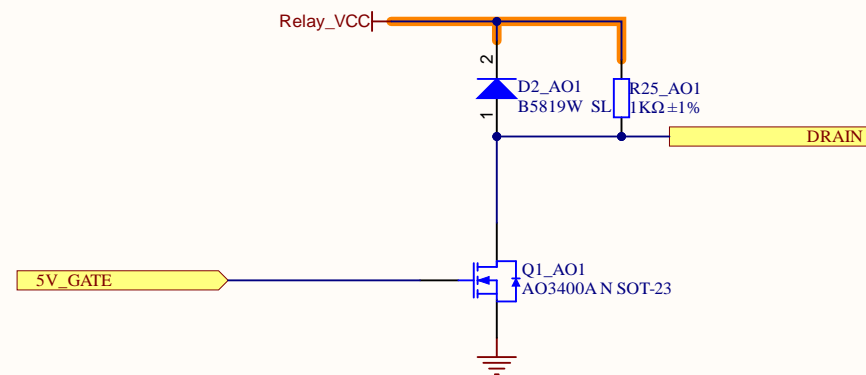


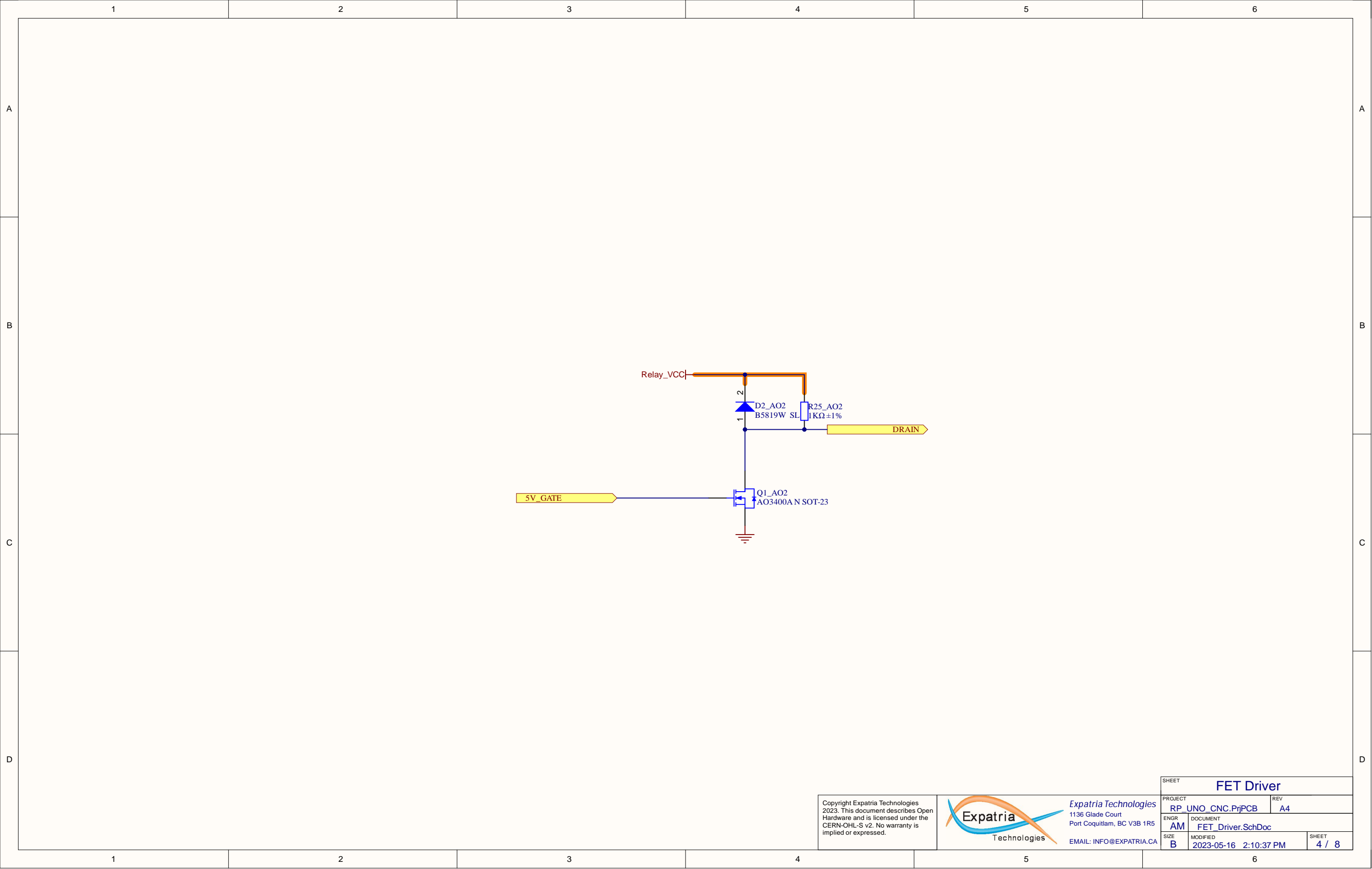
Expatria Technologies
1136 Glade Court
Port Coquitlam, BC V3B 1R5
EMAIL: INFO@EXPATRIA.CA

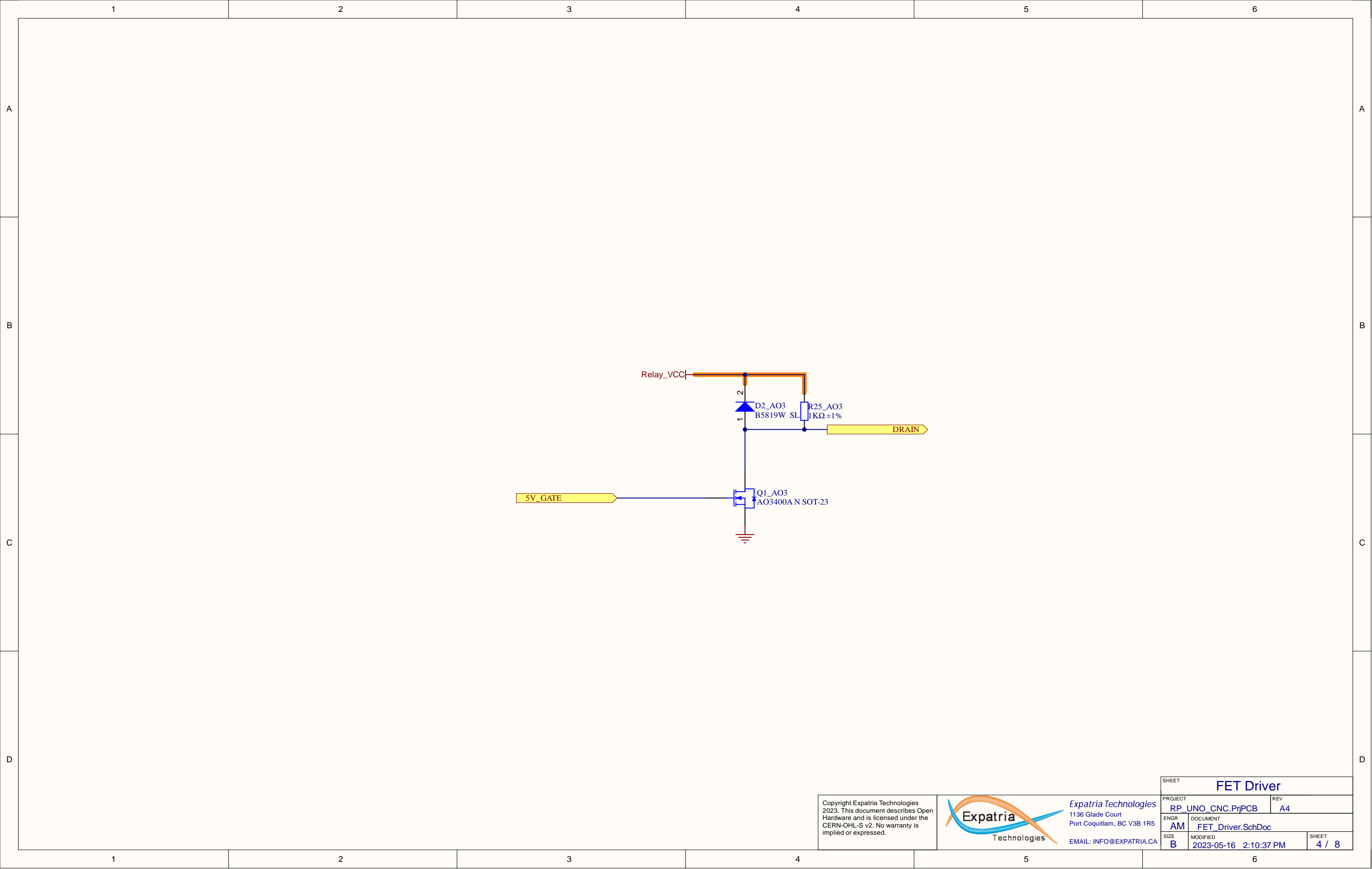
SHEET			
Title Sheet			
PROJECT		REV	
RP_UNO_CNC.PrjPCB		A4	
ENGR	DOCUMENT		
AM	Title Sheet.SchDoc		
SIZE	MODIFIED		SHEET
B	2023-05-16 2:10:36 PM		1 / 8

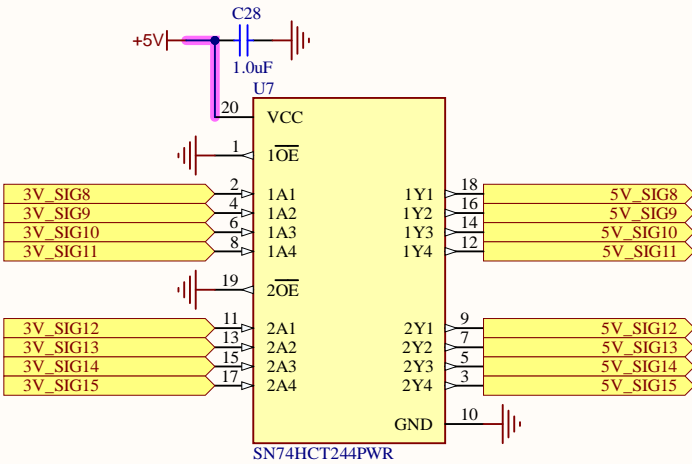
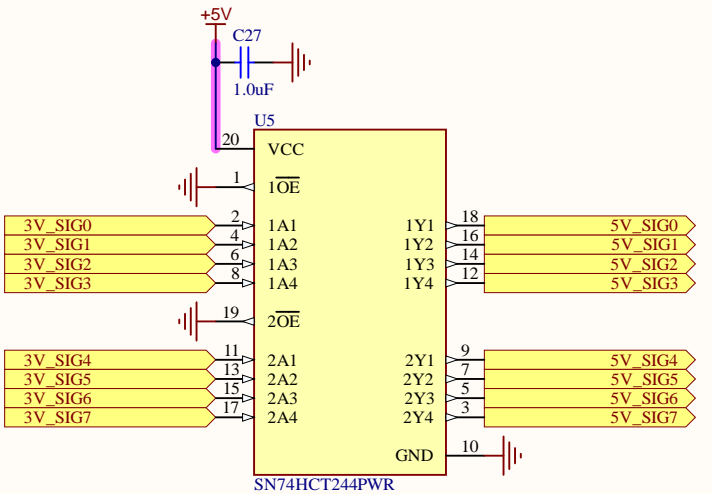
PicoHAL Board









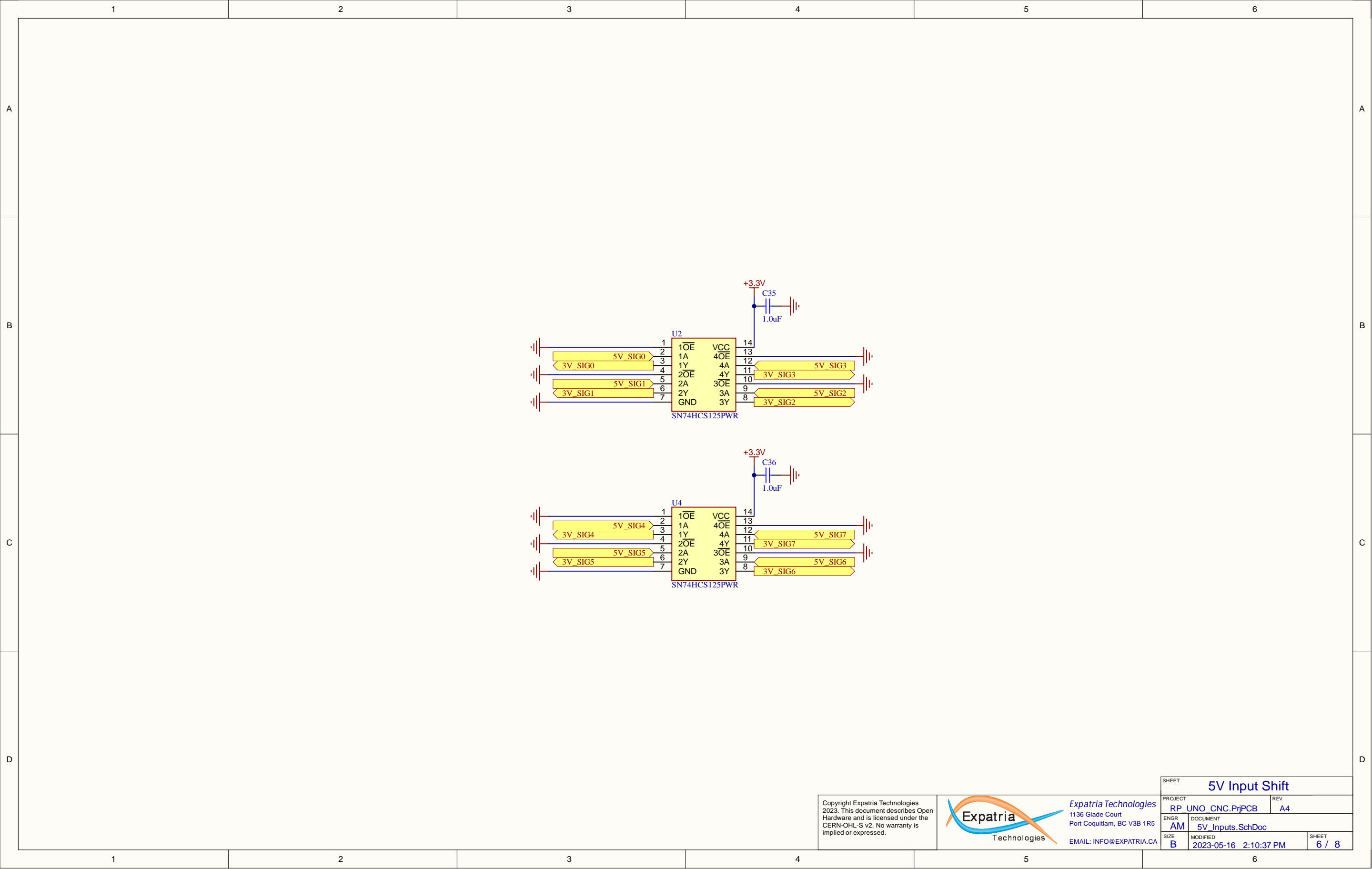


Copyright Expatria Technologies
2023. This document describes Open
Hardware and is licensed under the
CERN-OHL-S v2. No warranty is
implied or expressed.



Expatria Technologies
1136 Glade Court
Port Coquitlam, BC V3B 1R5
EMAIL: INFO@EXPATRIA.CA

SHEET			5V shift	
PROJECT		REV		
RP_UNO_CNC.PrjPCB		A4		
ENGR	DOCUMENT			
AM	5V_Outputs.SchDoc			
SIZE	MODIFIED		SHEET	
B	2023-05-16 2:10:37 PM		5 / 8	

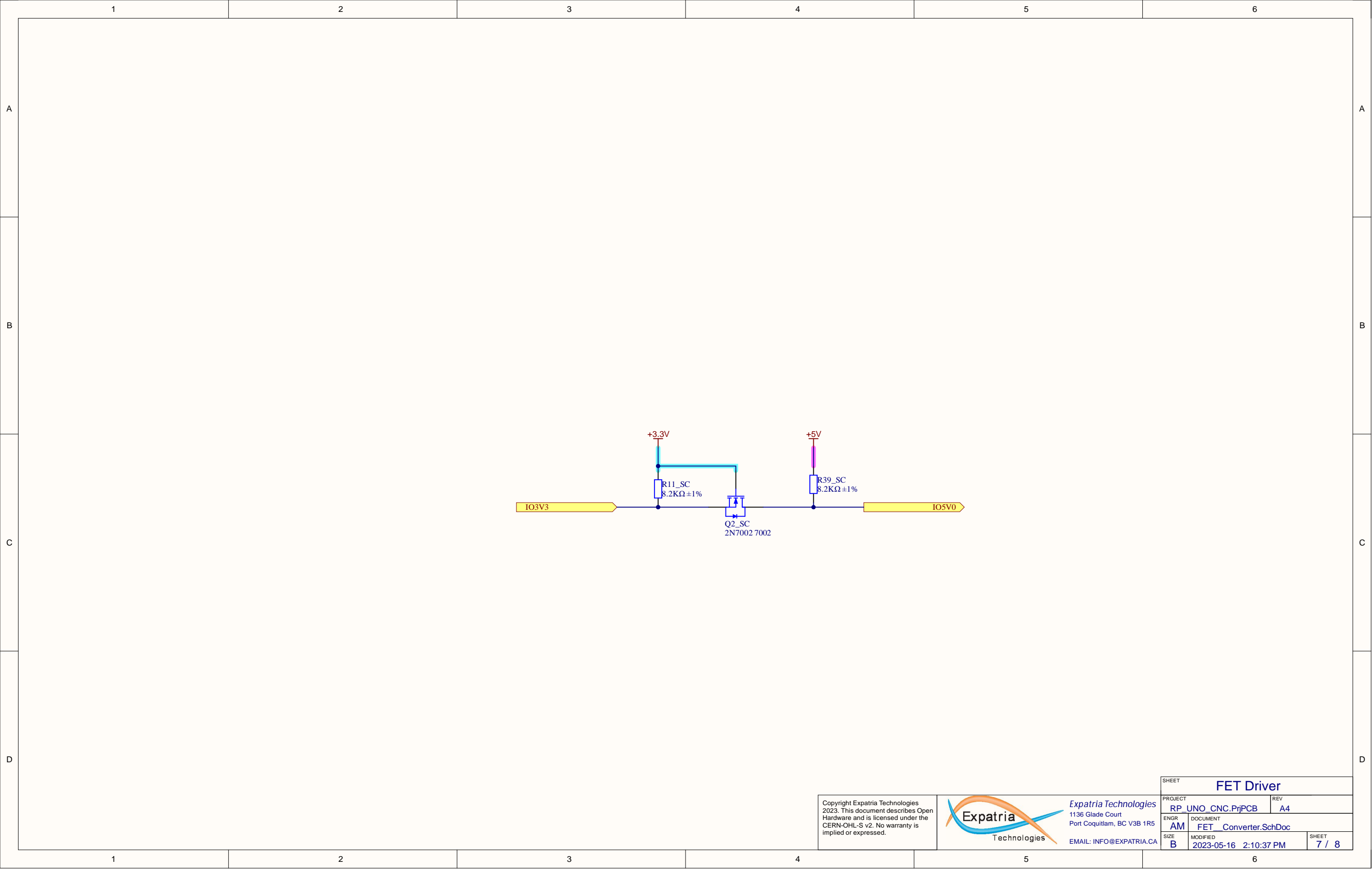


Copyright Expatria Technologies
2023. This document describes Open
Hardware and is licensed under the
CERN-OHL-S v2. No warranty is
implied or expressed.



Expatria Technologies
1136 Glade Court
Port Coquitlam, BC V3B 1R5
EMAIL: INFO@EXPATRIA.CA

SHEET			5V Input Shift		
PROJECT					
RP_UNO_CNC.PrjPCB			A4		
ENGR		DOCUMENT			
AM		5V_Inputs.SchDoc			
SIZE		MODIFIED		SHEET	
B		2023-05-16 2:10:37 PM		6 / 8	

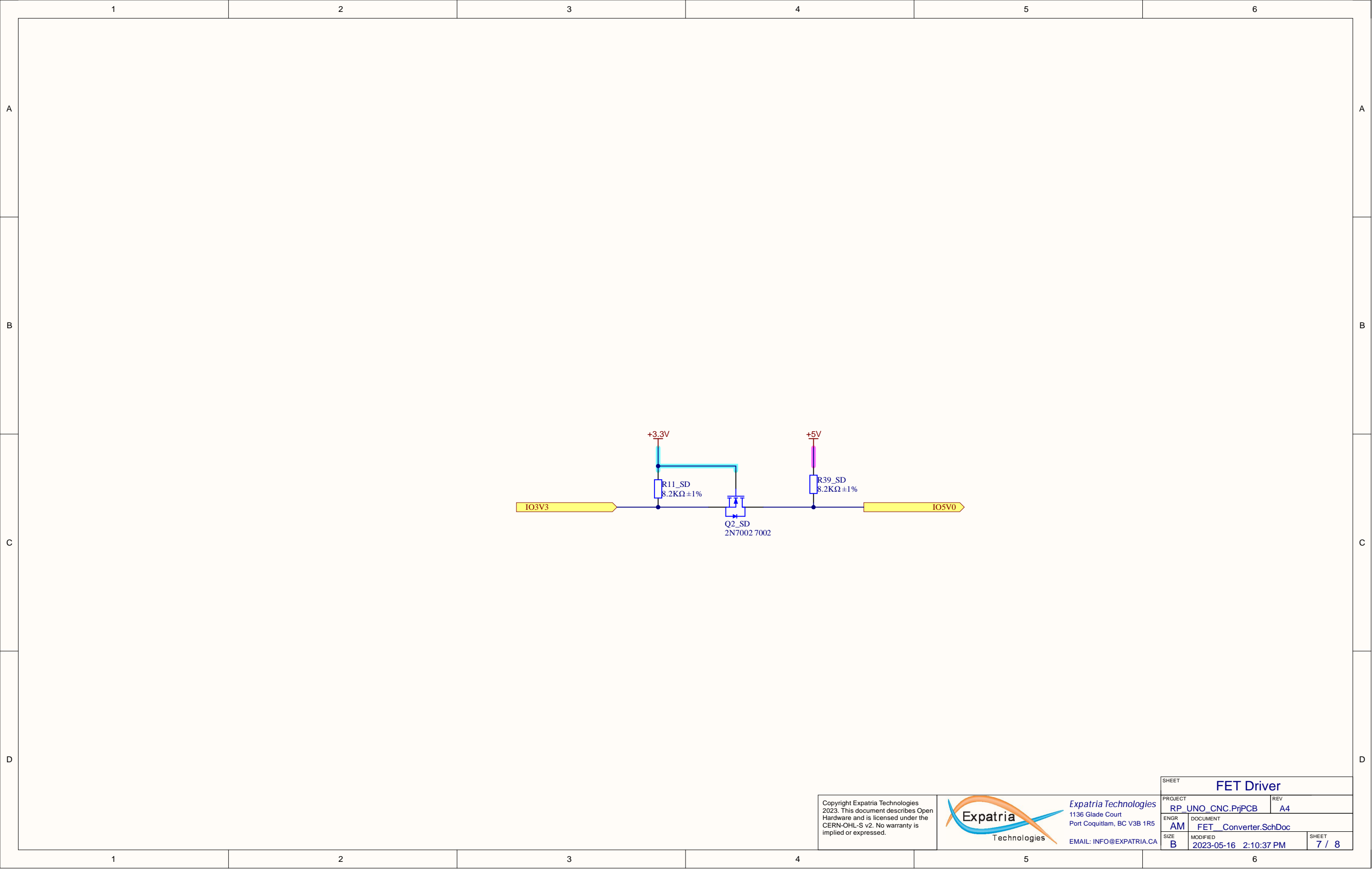


Copyright Expatria Technologies
2023. This document describes Open
Hardware and is licensed under the
CERN-OHL-S v2. No warranty is
implied or expressed.



Expatria Technologies
1136 Glade Court
Port Coquitlam, BC V3B 1R5
EMAIL: INFO@EXPATRIA.CA

SHEET		FET Driver	
PROJECT		REV	
RP_UNO_CNC.PrjPCB		A4	
ENGR	DOCUMENT		
AM	FET_Converter.SchDoc		
SIZE	MODIFIED		SHEET
B	2023-05-16 2:10:37 PM		7 / 8

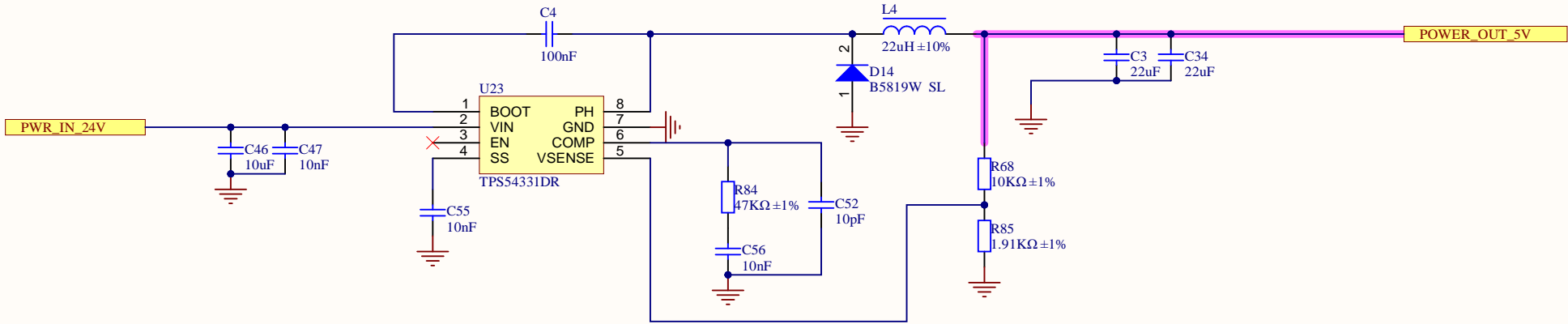


Copyright Expatria Technologies
2023. This document describes Open
Hardware and is licensed under the
CERN-OHL-S v2. No warranty is
implied or expressed.



Expatria Technologies
1136 Glade Court
Port Coquitlam, BC V3B 1R5
EMAIL: INFO@EXPATRIA.CA

SHEET			FET Driver	
PROJECT		REV		
RP_UNO_CNC.PrjPCB		A4		
ENGR	DOCUMENT			
AM	FET_Converter.SchDoc			
SIZE	MODIFIED		SHEET	
B	2023-05-16 2:10:37 PM		7 / 8	



Copyright Expatria Technologies
2023. This document describes Open
Hardware and is licensed under the
CERN-OHL-S v2. No warranty is
implied or expressed.



Expatria Technologies
1136 Glade Court
Port Coquitlam, BC V3B 1R5
EMAIL: INFO@EXPATRIA.CA

SHEET					5V Power Supply	
PROJECT			REV			
RP_UNO_CNC.PrjPCB			A4			
ENGR	DOCUMENT					
AM	5V_Power_Supply.SchDoc					
SIZE	MODIFIED			SHEET		
B	2023-05-16 2:10:37 PM			8 / 8		



open source
hardware

Licensed under CERN-OHL-S v2
Pico-HAL Controller
PCB Revision A4

J4

24V MAX

DC+
DC-

Designed in Canada



