

A

A

B

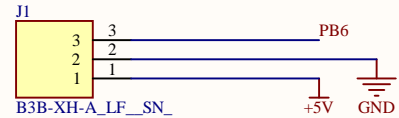
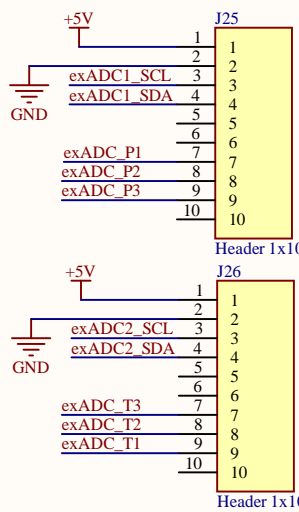
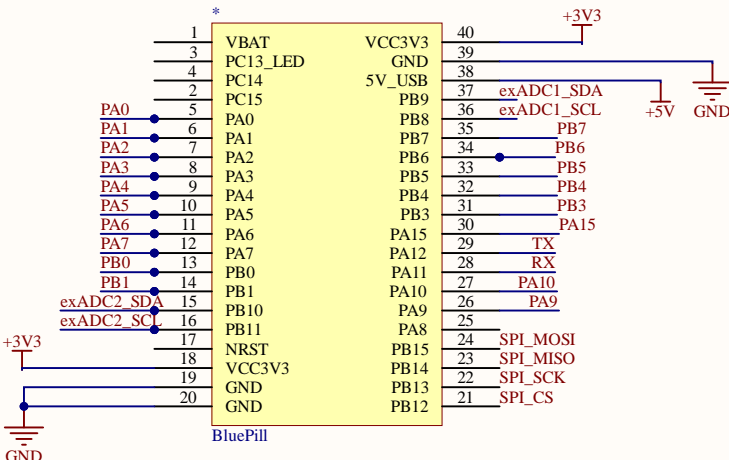
B

C

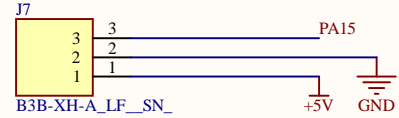
C

D

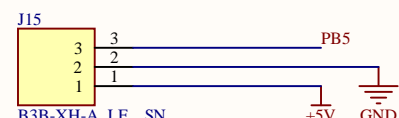
D



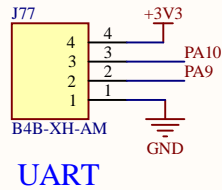
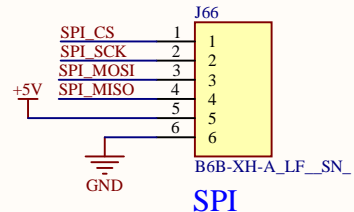
Water Flow Sensors



DC FAN

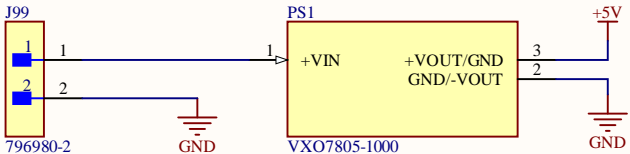


DC PUMP

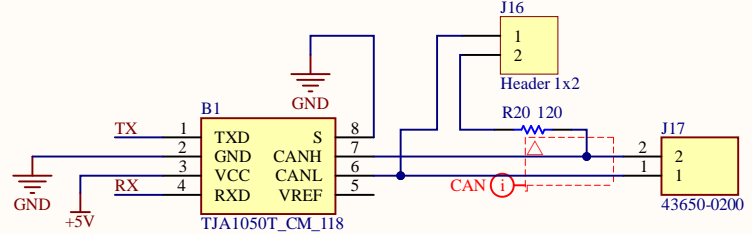


SPI

UART



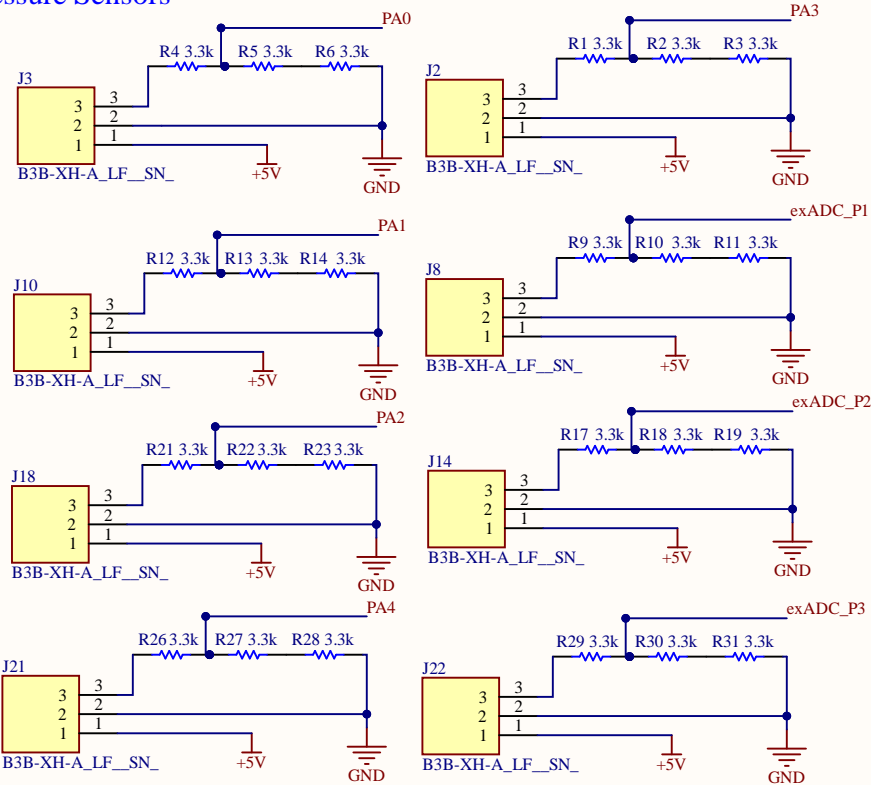
DC-DC Converter Module



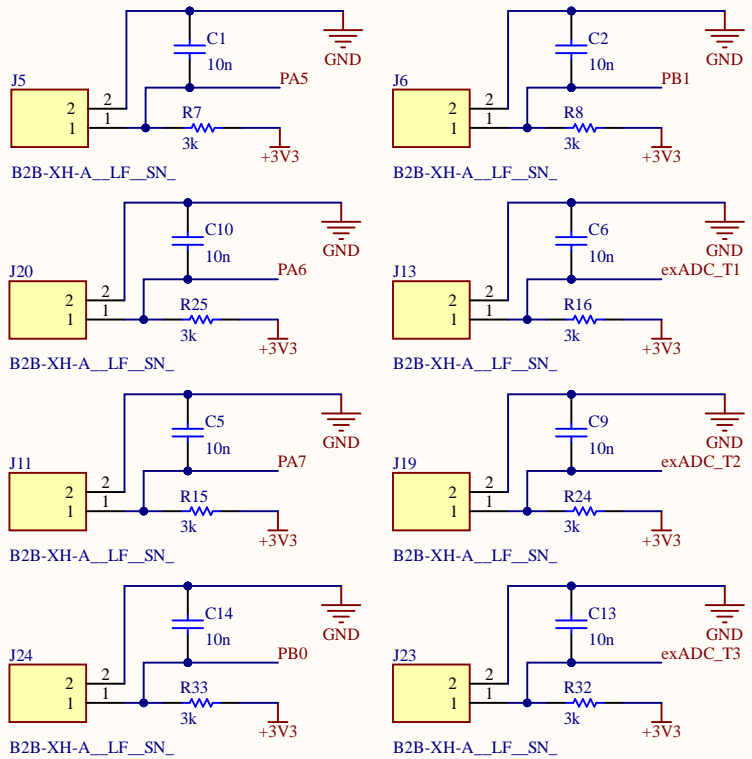
CAN Module


	Title PT_Cooling_Data_Collection_System				
Generation	Organization	Sub Team	Module	Ver.	Rev.
N/A	PERT	EEE	N/A	1.0	A
Date 6/13/2024			Drawn By Eric EEE		

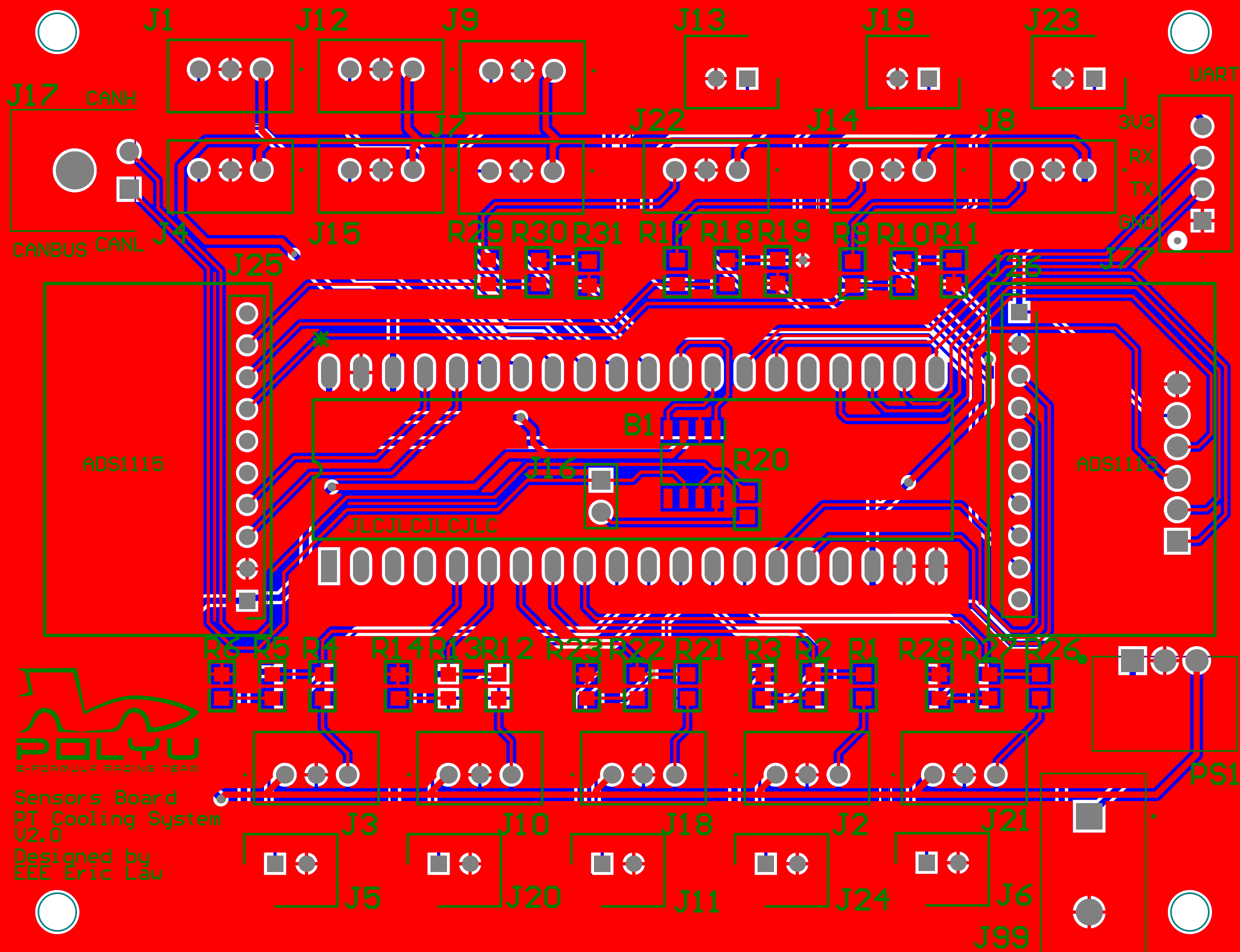
Pressure Sensors



Thermistors



						Title *	
Generation	Organization	Sub Team	Module	Ver.	Rev.		
N/A	PERT	EEE	N/A	1.0	A		
Date 5/21/2024						Drawn By Eric EEE	



Sensors Board
PT Cooling System
V2.0

Designed by
EEE Eric Law

Comment	Description	Designator	Footprint	LibRef	Quantity
BluePill			Bluepil	BluePill	1
TJA1050T_CM_118	NXP - TJA1050T/CM, 118 - CAN TRANSCEIVER, 1TX/RX, SOIC-8	B1	SOIC127P600X175-8N	TJA1050T_CM_118	1
10n	SMD 0805 Capacitor	C1, C2, C5, C6, C9, C10, C13, C14	0805_SMD_RC	SMD 0805 Capacitor	8
B3B-XH+A_LF__SN__	PH2.0mm 3pins	J1, J2, J3, J4, J7, J8, J9, J10, J12, J14, J15, J18, J21, J22	B3BX-HALFSN	B3B-XH+A_LF__SN__	14
B2B-XH+A_LF__SN__	PH2.0mm 2pins	J5, J6, J11, J13, J19, J20, J23, J24	SHDR2W64P0X250_1X 2_740X575X700P	B2B-XH+A_LF__SN__	8
Header 1x2	Header, 2-Pin	J16	HDR_1X2_2.54_THD	Header 1x2	1
43650-0200	Molex, Micro-Fit3.0 Right-Angled THT connector, 1X2	J17	43650-0200	Molex Micro-fit 1X2 Right Angle	1
Header 1x10	Connector	J25, J26	HDRV10W66P0X254_1 X10_2540X249X1003P	Header 1x10	2
B6B-XH+A_LF__SN__	Connector	J66	SHDR6W64P0X250_1X 6_1740X575X700P	B6B-XH+A_LF__SN__	1
B4B-XH-AM	BOARD CONNECTOR, 4 CONTACT(S), 1 ROW(S), MALE, STRAIGHT, SOLDER TERMINAL	J77	B4BX-HAM	B4B-XH-AM	1
796980-2	2 POSTERMI-BLOK VERT HDR7.62	J99	TE_796980-2	796980-2	1
VXO7805-1000	CUI Inc., 1 A Output Current, 6~36 Vdc Input, 3 Pin SIP, Non- Isolated, Dc-Dc Converter	PS1	VXO78xx-1000	24-5 Power Converter	1
Resistor Generic	SMD Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33	0805_SMD_RC	Resistor Generic	33