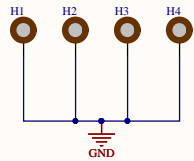



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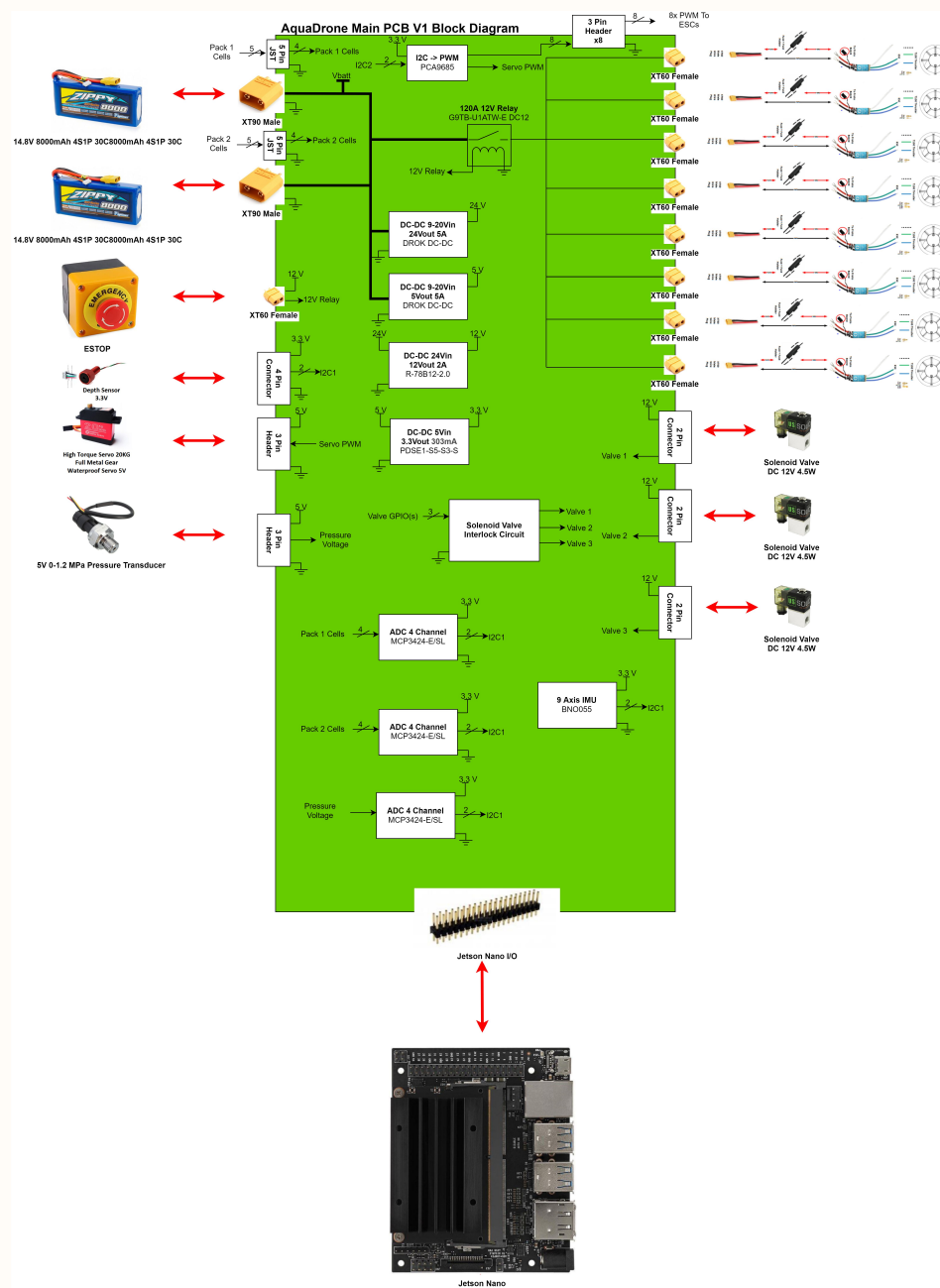


REVISION INDEX

[illegible]

Project:		 200 University Ave W Waterloo, ON N2L 3G1, Canada
Title: Cover Page		
DrawnBy: Dhruvil Parikh	Project Lead: Dhruvil Parikh	
Size: T	Rev:	
Date:	Sheet 1 of 6	
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Block Diagram

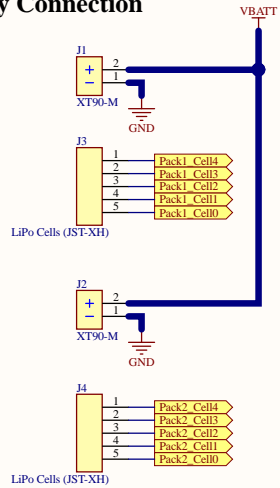


Project:		200 University Ave W Waterloo, ON N2L 3G1, Canada
Title: Block Diagram		
DrawnBy: Dhrumil Parikh	Project Lead: Dhrumil Parikh	
Size: T	Rev:	
Date:	Sheet 2 of 6	
File: S2_Block_Diagram.SchDoc		

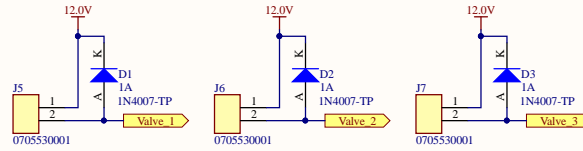


Connectors

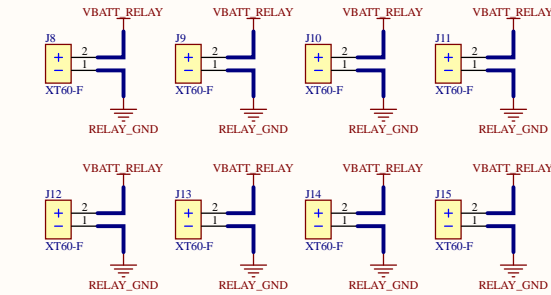
Battery Connection



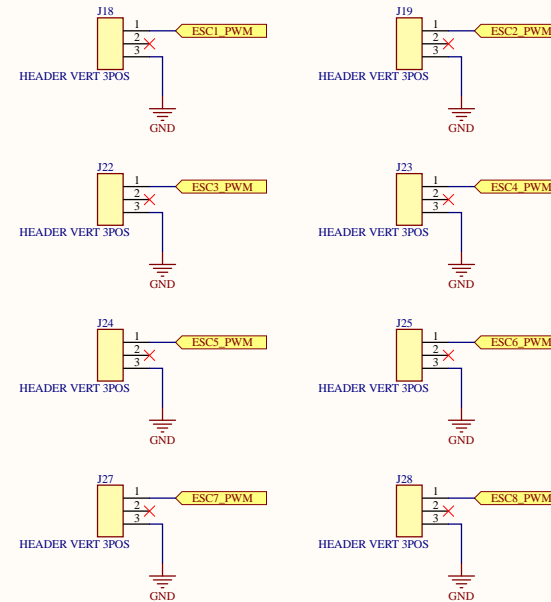
Solenoid Valves



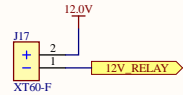
ESC Power



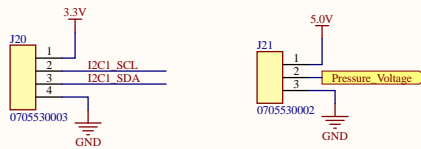
ESC Signal



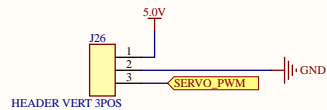
ESTOP Connection



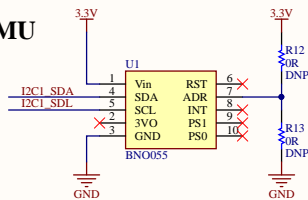
Depth Sensor & Pressure Sensor



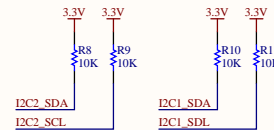
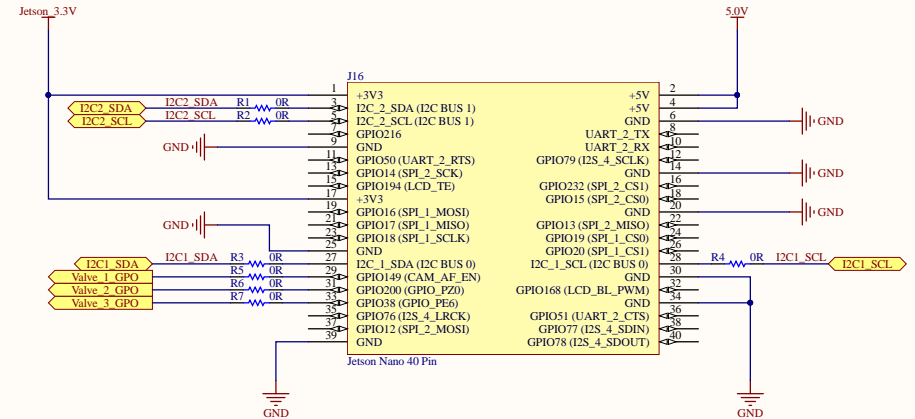
Servo




IMU

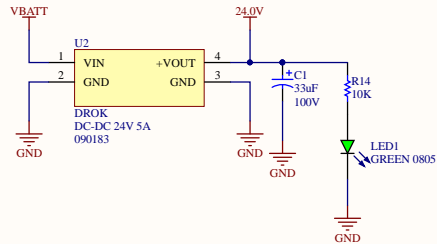


Jetson Nano 40 Pin Interface



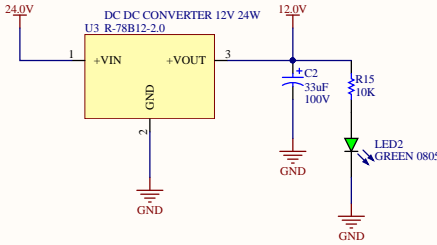
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Title:	Connectors		
DrawnBy:	Dhruvil Parikh	Project Lead: Dhruvil Parikh	
Size:	T	Rev:	
Date:		Sheet 3 of 6	
File:	S3 Connectors.SchDoc		200 University Ave W Waterloo, ON N2L 3G1, Canada

24.0V

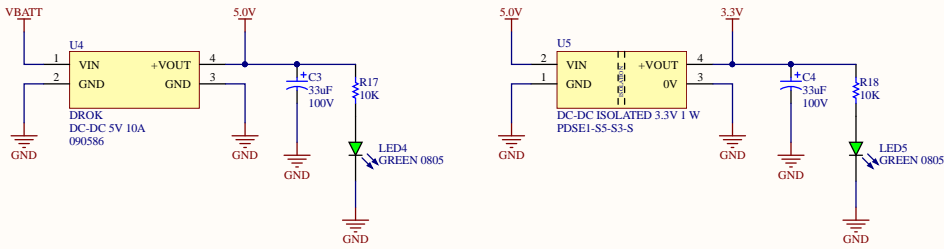


12.0V

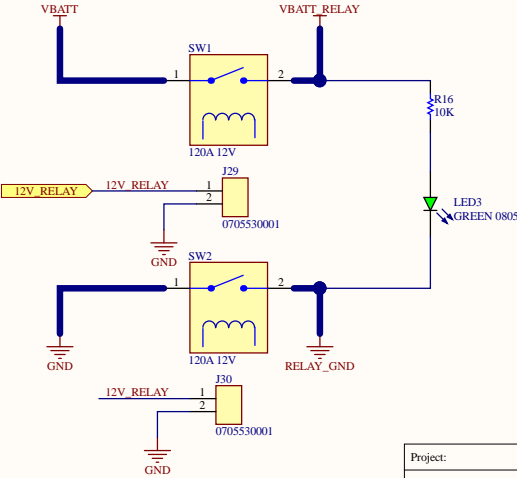
Power Supply



5.0V & 3.3V

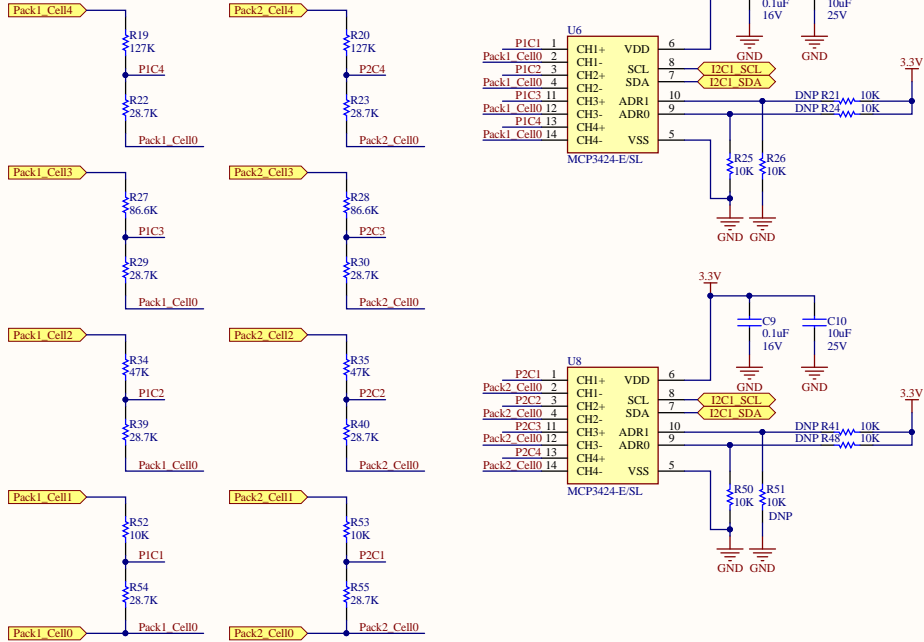


Safety Relays

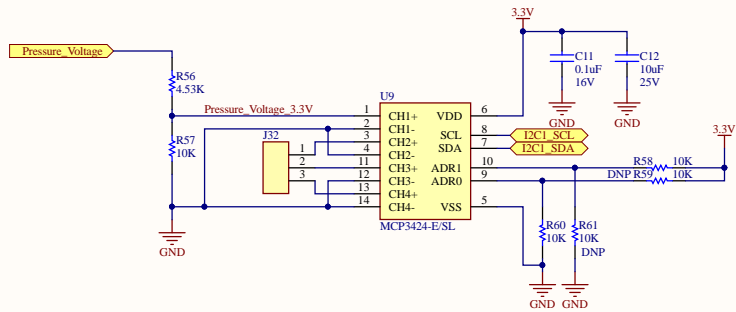


Project:		 200 University Ave W Waterloo, ON N2L 3G1, Canada
Title: Power Supply		
DrawnBy: Dhrumil Parikh	Project Lead: Dhrumil Parikh	
Size: T	Rev:	
Date: S4_Power_Supply.SchDoc	Sheet 4 of 6	

Battery Pack Monitoring ADC

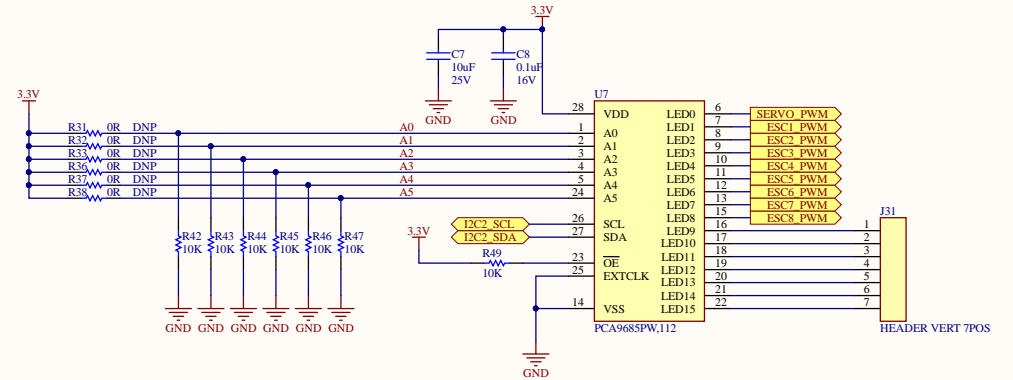


Pressure Sensor ADC



I2C -> PWM

Communications

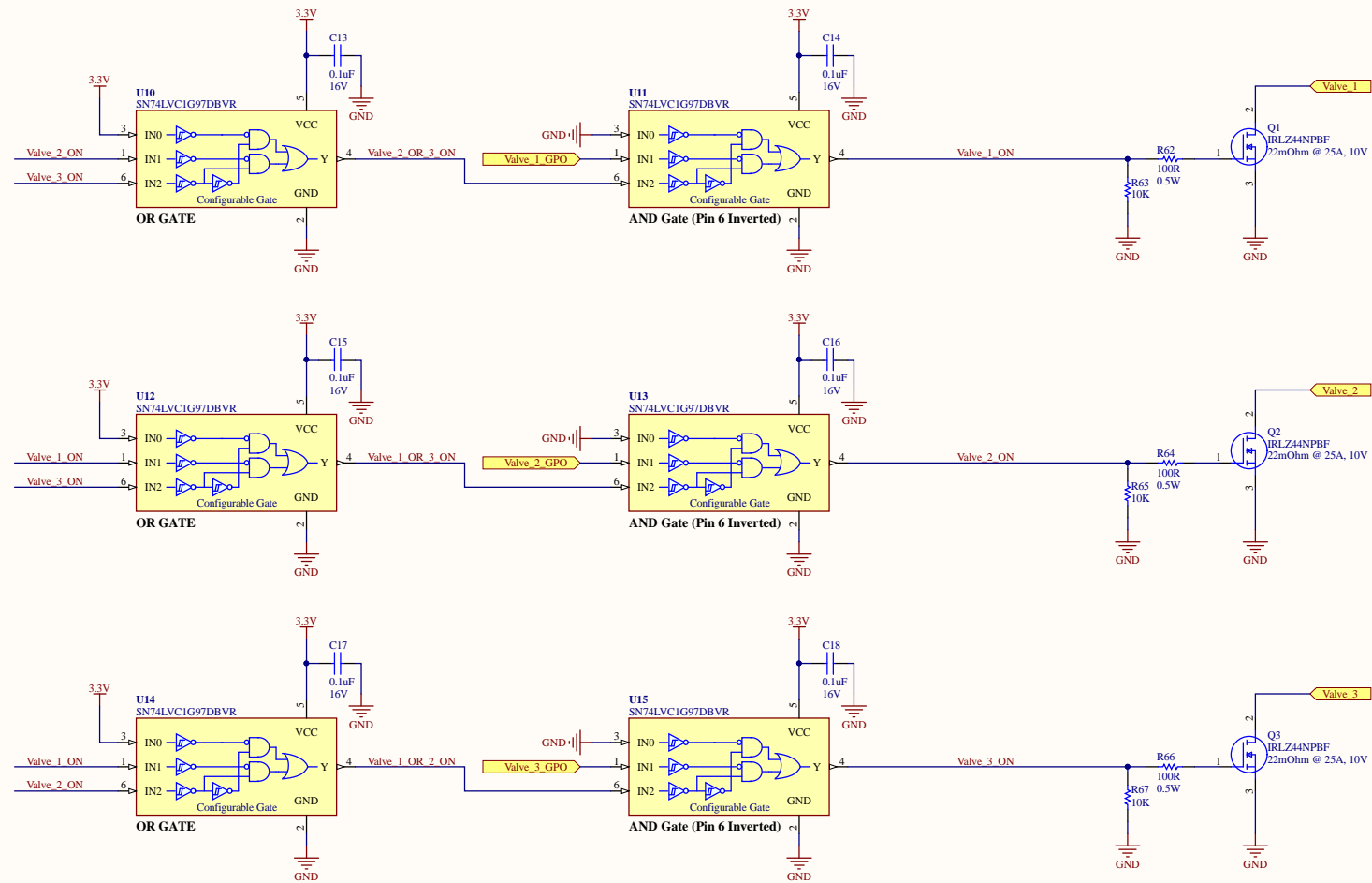


Project:		
Title: Communications		
DrawnBy: Dhrumil Parikh	Project Lead: Dhrumil Parikh	
Size: T	Rev:	
Date:	Sheet 5	of 6
File: S5 Communications.SchDoc		

200 University Ave W
Waterloo, ON
N2L 3G1, Canada



Solenoid Valve Interlock Circuit



Project:		<div>200 University Ave W Waterloo, ON N2L 3G1, Canada</div>
Title: Solenoid Valve Interlock		
DrawnBy: Dhrumil Parikh	Project Lead: Dhrumil Parikh	
Size: T	Rev:	
Date:	Sheet 6 of 6	
File: S6 Solenoid Valve InterlockSchDoc		