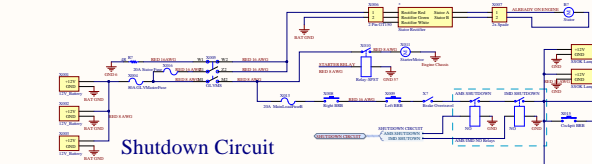


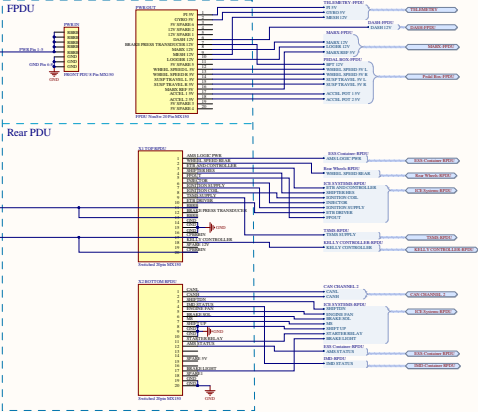
ALL GND'S TO BE BLK 16 AWG TO CHASSIS GROUNDING POINTS  
CAN LEGEND



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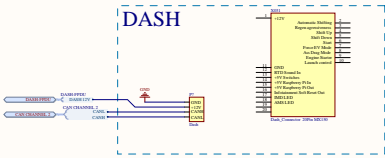
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### Power Distribution

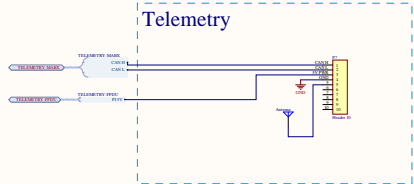


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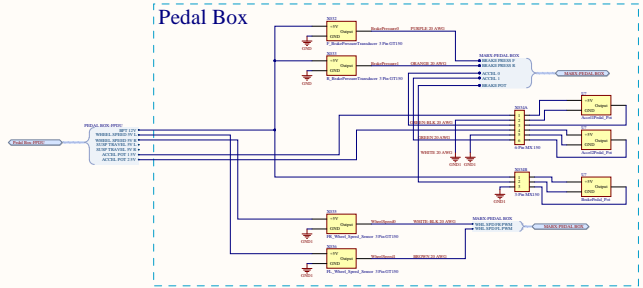
### DASH



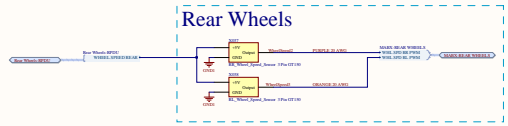
### Telemetry



### Pedal Box



### Rear Wheels

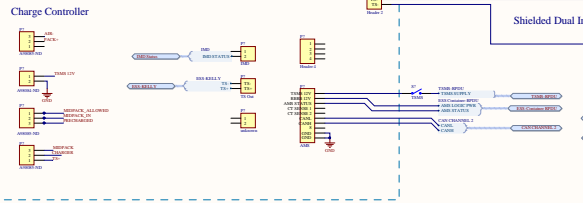


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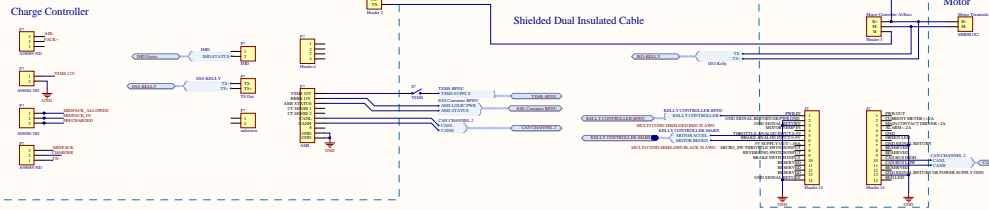
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### ESS Container

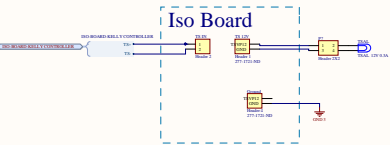
Normal connection and battery design for priority. The ESS container will be designed to be connected to the battery container.



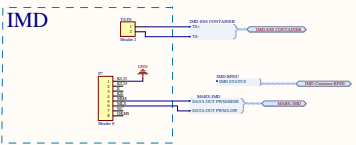
### Kelly Controller



### Iso Board

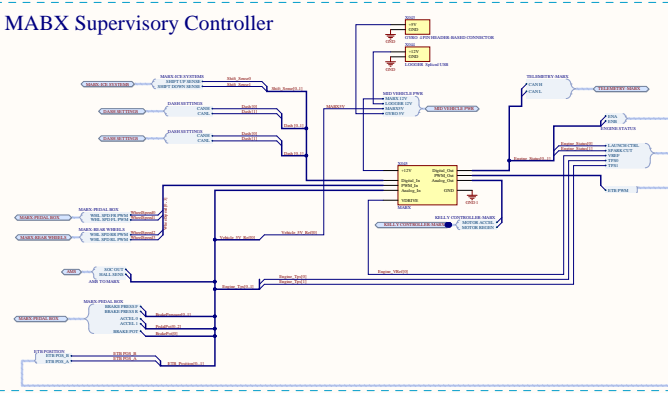


### IMD

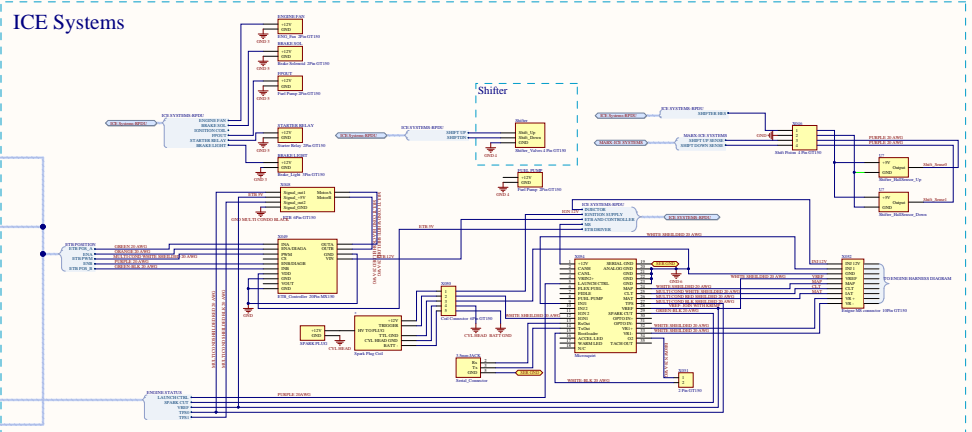


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### MABX Supervisory Controller



### ICE Systems



Comment	Description	Designator	Footprint	LibRef	Quantity
Antenna	Generic Antenna		PIN1	Antenna	1
Spark Plug Coil				Spark Plug Coil	1
Stator Rectifier				Stator Rectifier	1
Serial_Connector		3.5mm JACK		Serial_Connector	1
SSOK Lamp Left	12V_Load	?		12V_Load	1
SSOK Lamp Right	12V_Load	?		12V_Load	1
NO	Single-Pole Single-Throw Relay	AMS SHUTDOWN, IMD SHUTDOWN	MODULE4	Relay-SPST	2
Stator	Motor, General Kind	B?	RB5-10.5	Motor	1
Brake_Light 3Pin GT150	12V_Load	BRAKE LIGHT		12V_Load	1
Brake Solenoid 2Pin GT150	12V_Load	BRAKE SOL		12V_Load	1
ENG_Fan 2Pin GT150	12V_Load	ENGINE FAN		12V_Load	1
Fuel Pump 2Pin GT150	12V_Load	FPOUT		12V_Load	1
Fuel Pump 2Pin GT150	12V_Load	FUEL PUMP		12V_Load	1
Header 4	Header, 2-Pin	Ground	2 Pin Screw Terminal	Header 2	1
Header 14	Header, 14-Pin	J1, J2	HDR1X14	Header 14	2
Header 3	Header, 3-Pin	Motor Controller AI Bars	HDR1X3	Header 3	1
MHDR1X2	Header, 2-Pin	Motor Terminals	MHDR1X2	MHDR1X2	1
AMS	Header, 10-Pin	P?	HDR1X10	Header 10	1
Dash		P?		4-Pin Connector	1
Header 2	Header, 2-Pin	P?	2 Pos wire to board	Header 2	1
Header 2X2	Header, 2-Pin, Dual row	P?	HDR2X2	Header 2X2	1
Header 3	Header, 3-Pin	P?	3 Pos wire to board	Header 3	3
Header 4	Header, 4-Pin	P?	HDR1X4	Header 4	1
Header 8	Header, 8-Pin	P?	HDR1X8	Header 8	1
Header 10	Header, 10-Pin	P?	HDR1X10	Header 10	1
IMD	Header, 2-Pin	P?	HDR1X2	Header 2	1
TS Out	Header, 2-Pin	P?	HDR1X2	Header 2	1
unknown	Header, 2-Pin	P?	HDR1X2	Header 2	1
FRONT PDU 8 Pin MX150	Header, 8-Pin	PWR IN	HDR1X8	Header 8	1
FPDU NonSw 20 Pin MX150		PWR OUT		Non-Sw-RBRB	1
Res1	Resistor	R?	AXIAL-0.3	Res 1	1
TSMS	Single-Pole, Single-Throw Switch	S?		SW-SPST	1
Shifter_Valves 4 Pin GT150	Shifter_Valves	Shifter		Shifter_Valves	1
Starter Relay 2Pin GT150	12V_Load	STARTER RELAY		12V_Load	1
Header 1	Header, 2-Pin	TS 12V	2 Pin Screw Terminal	Header 2	1
Header 2	Header, 2-Pin	TS HV AIRs, TS IN, TS IN	HDR1X2	Header 2	3
TSAL 12V 0.3A	Incandescent Bulb	TSAL	PIN2	Lamp	1
Accel1Pedal_Pot	Pedal_Pot	U?		Pedal_Pot	1
Accel2Pedal_Pot	Pedal_Pot	U?		Pedal_Pot	1
BrakePedal_Pot	Pedal_Pot	U?		Pedal_Pot	1
Shifter_HallSensor_Down	Shifter_HallSensor	U?		Shifter_HallSensor	1
Shifter_HallSensor_Up	Shifter_HallSensor	U?		Shifter_HallSensor	1
SPARK PLUG	12V_Load	U?		12V_Load	1
12V_Battery	12V_Battery	X001, X002, X003		12V_Battery	3
Switched 20pin MX150		X1 TOP RPDU, X2 BOTTOM RPDU		Switched 20pin	2
80A GLVMasterFuse	Fuse	X004		Fuse 2	1
GLVMS	GLVMS	X005		GLVMS	1
2 Pin GT150		X006, X001		2 Pin Connector	2
2x Spade		X007		2 Pin Connector	1
Right BRB	Switch	X008		SW-PB	1
Left BRB	Switch	X009		SW-PB	1
Relay-SPST	Single-Pole Single-Throw Relay	X010	MODULE4	Relay-SPST	1
StarterMotor	Motor, General Kind	X011		Motor	1
20A MainLoadFuseB	Fuse	X013		Fuse 2	1
Cockpit BRB	Switch	X015		SW-PB	1
20A Stator Fuse	Fuse	X016		Fuse 2	1
Dash_Connector 20Pin MX150		X031		Dash_Connector	1
F_BrakePressureTransducer 3 Pin GT150	BrakePressureTransducer	X032		BrakePressureTransducer	1
R_BrakePressureTransducer 3 Pin GT150	BrakePressureTransducer	X033		BrakePressureTransducer	1
6-Pin MX 150		X034A		6-Pin-BothSides	1
3-Pin MX150	Capacitor	X034B	RAD-0.3	3Pin Connector	1
FR_Wheel_Speed_Sensor 3 Pin GT150	Wheel_Speed_Sensor	X035		Wheel_Speed_Sensor	1
FL_Wheel_Speed_Sensor 3 Pin GT150	Wheel_Speed_Sensor	X036		Wheel_Speed_Sensor	1
RR_Wheel_Speed_Sensor 3 Pin GT150	Wheel_Speed_Sensor	X037		Wheel_Speed_Sensor	1
RL_Wheel_Speed_Sensor 3 Pin GT150	Wheel_Speed_Sensor	X038		Wheel_Speed_Sensor	1
GYRO 4 PIN HEADER-BASED CONNECTOR		X043		5V LOAD	1
LOGGER Spliced USB	12V_Load	X044		12V_Load	1
MABX	MABX	X045		MABX	1
SHIFT Piston 4 Pin GT150	Capacitor	X046	RAD-0.3	4 Pin Connector	1
ETB 6Pin GT150	ETB	X048		ETB	1
ETB_Controller 20Pin MX150	ETB_Controller	X049		ETB_Controller	1
Coil Connector 6Pin GT150		X050		5 Pin Connector	1
Engine MS connector 10Pin GT150	Capacitor	X052	RAD-0.3	Engine harness connector	1
Microsquirt		X054		Microsquirt	1
Brake Overtravel	Single-Pole, Single-Throw Switch	X?		SW-SPST	1