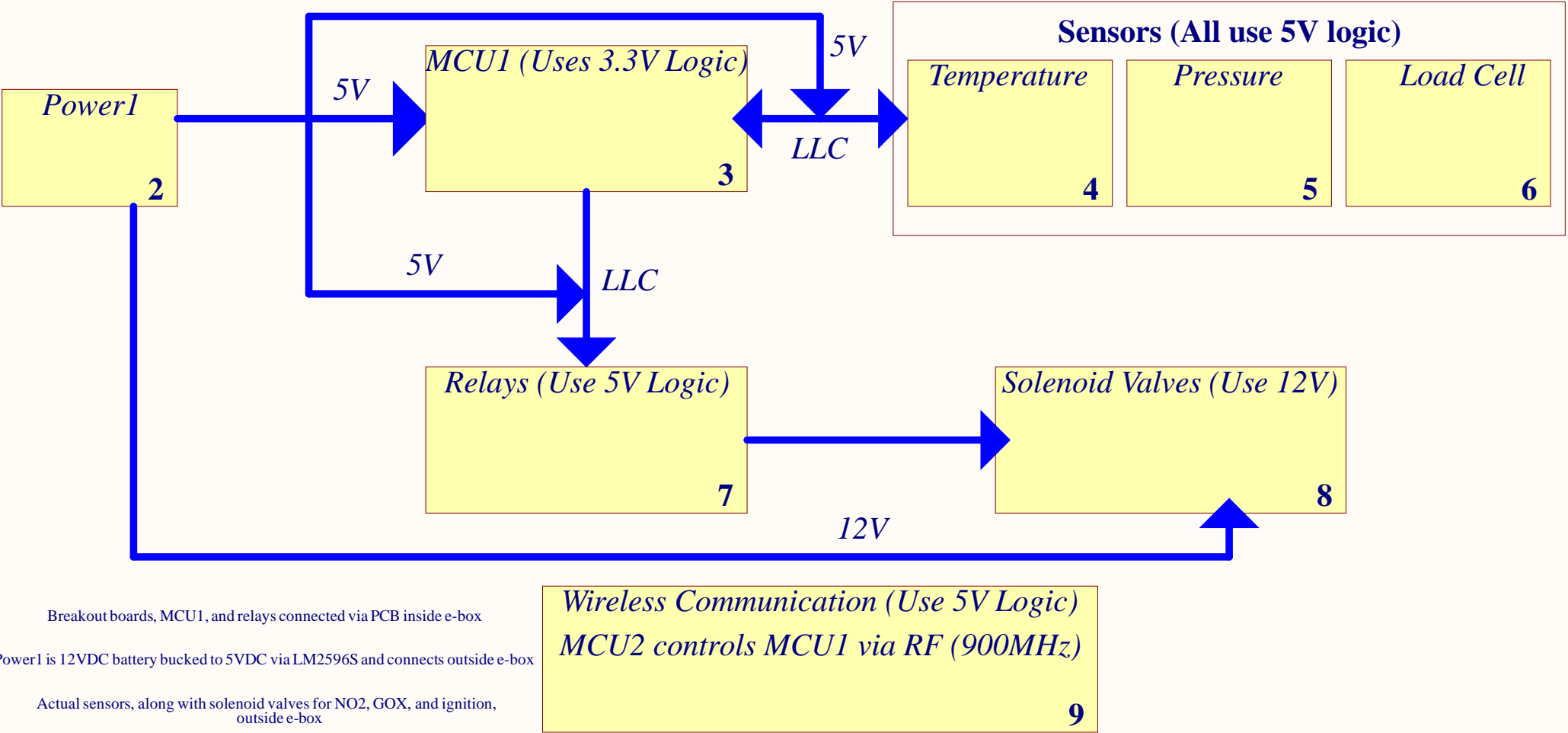


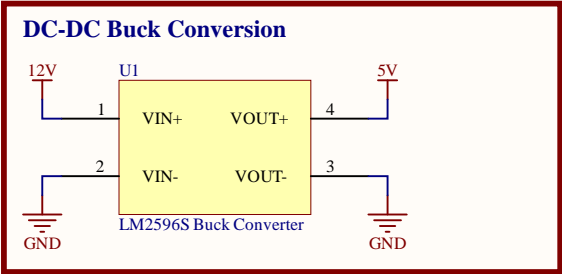
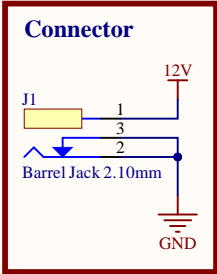
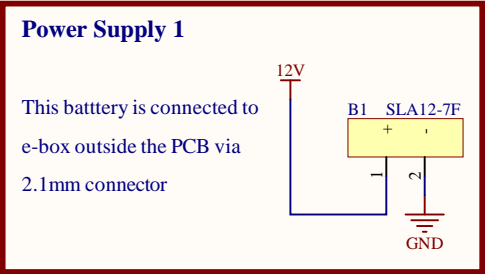
On-Site



Power2 is 1S LiPo battery connecting directly to MCU2

XBee RF modules allow MCU1/MCU2 to wirelessly communicate
MCU2 can tell MCU1 to start/stop datalogging, or open/close solenoid valves

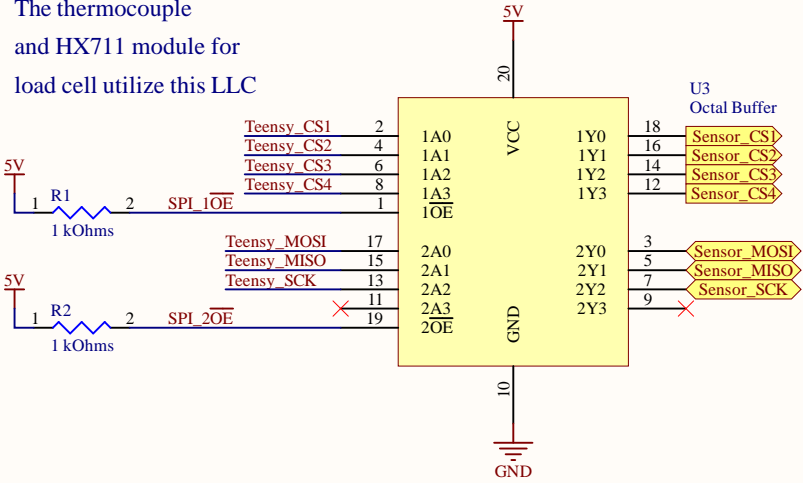
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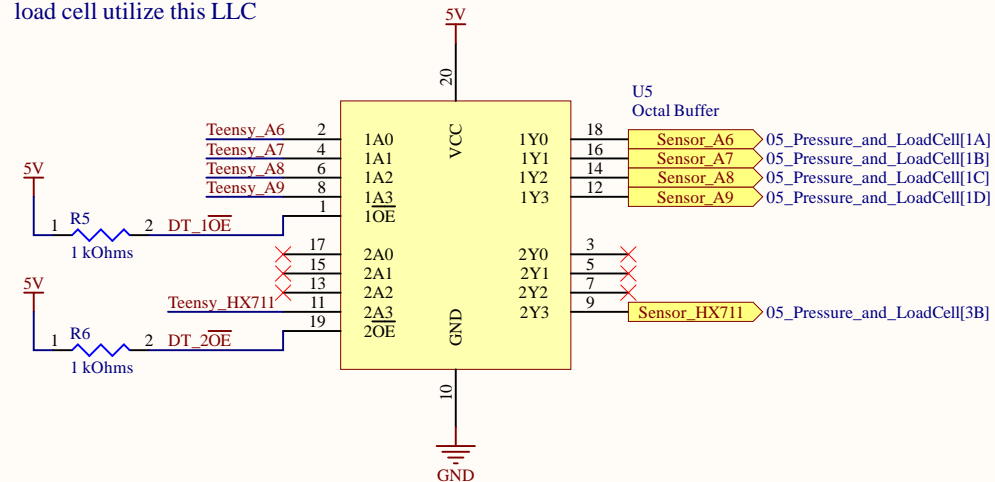
LLC For SPI Communication

The thermocouple and HX711 module for load cell utilize this LLC

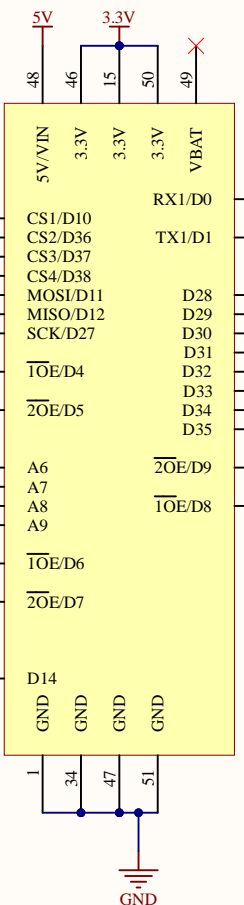


LLC For Analog/CS and DT Pins

The pressure transducer and HX711 module for load cell utilize this LLC

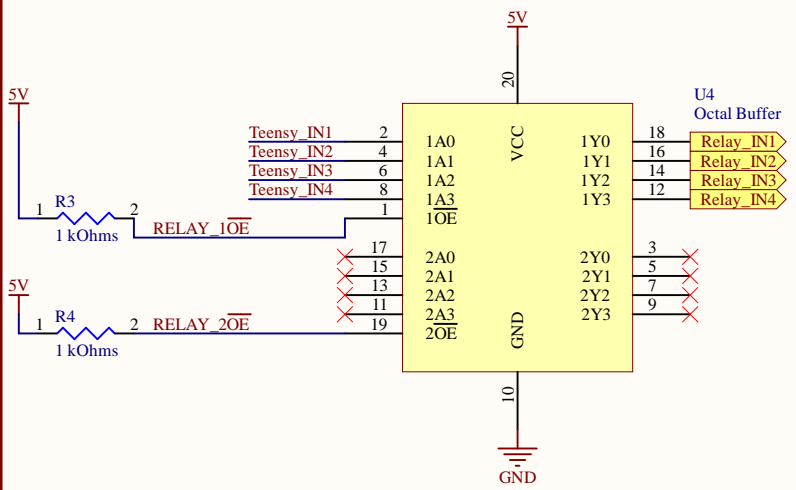


Teensy_CS1	12
Teensy_CS2	28
Teensy_CS3	29
Teensy_CS4	30
Teensy_MOSI	13
Teensy_MISO	14
Teensy_SCK	19
SPI_IOE	6
SPI_2OE	7
Teensy_A6	42
Teensy_A7	43
Teensy_A8	44
Teensy_A9	45
DT_IOE	8
DT_2OE	9
Teensy_HX711	36

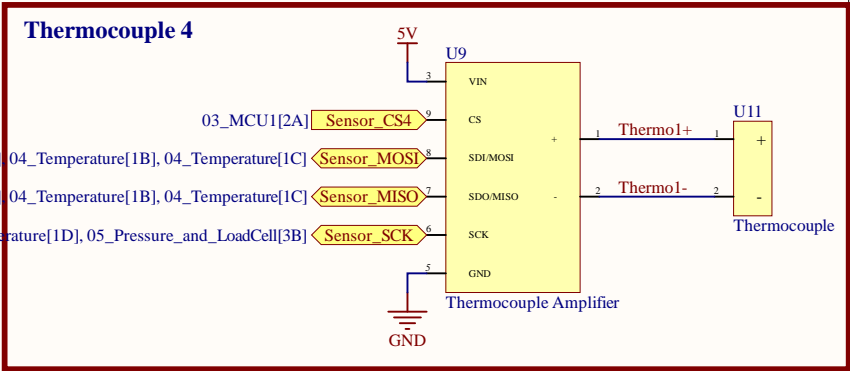
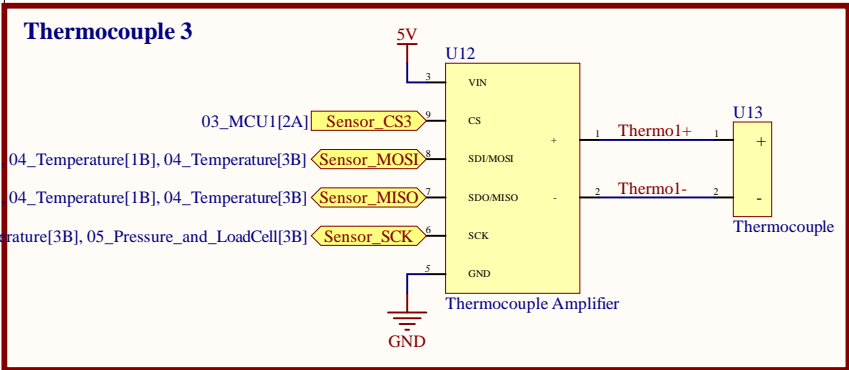
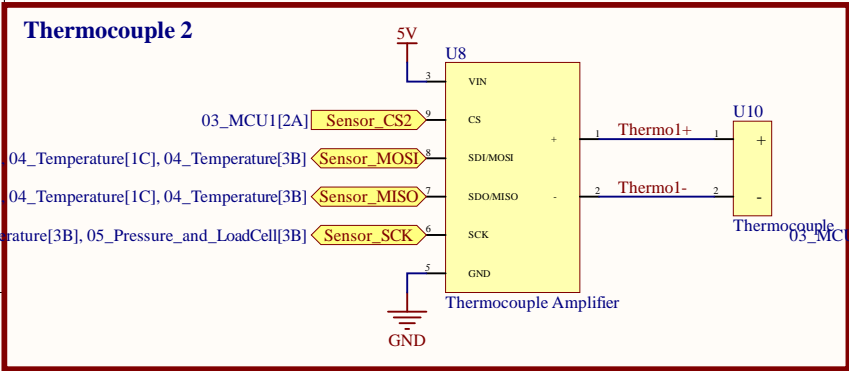
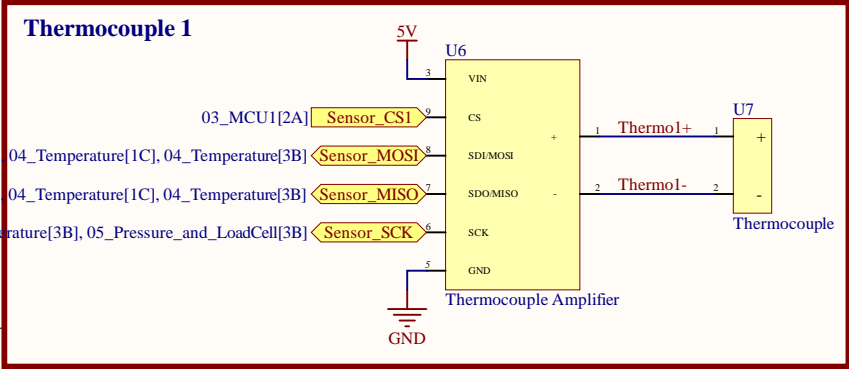


LLC For 8-Channel 5VDC Relay Board

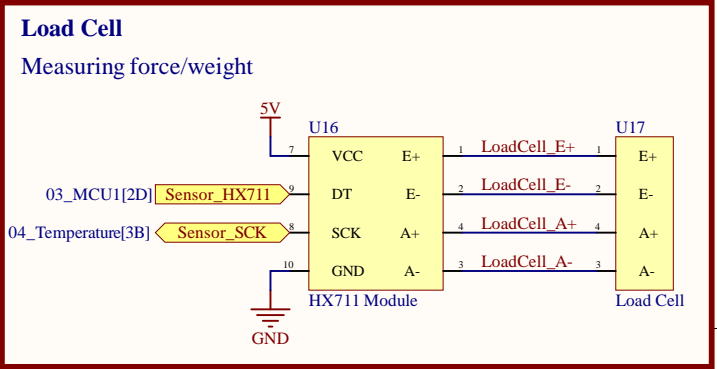
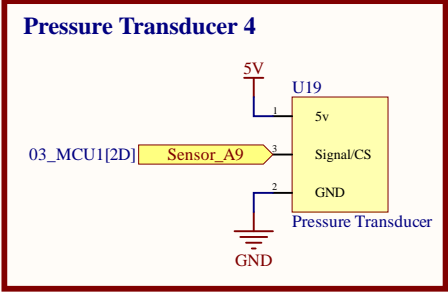
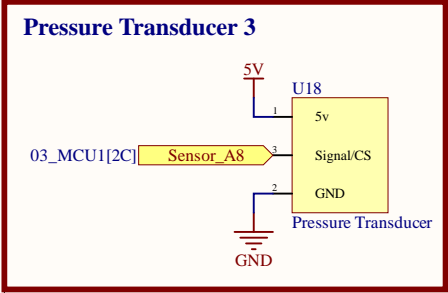
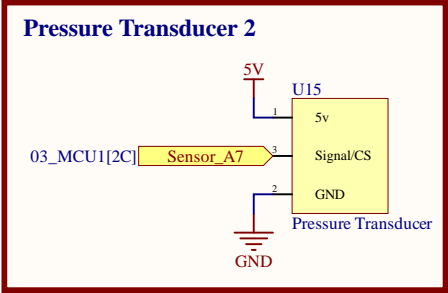
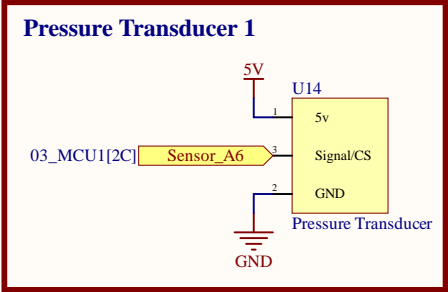
The ELEGOO 8-channel 5VDC relay utilizes this LLC



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Size	Number	Revision
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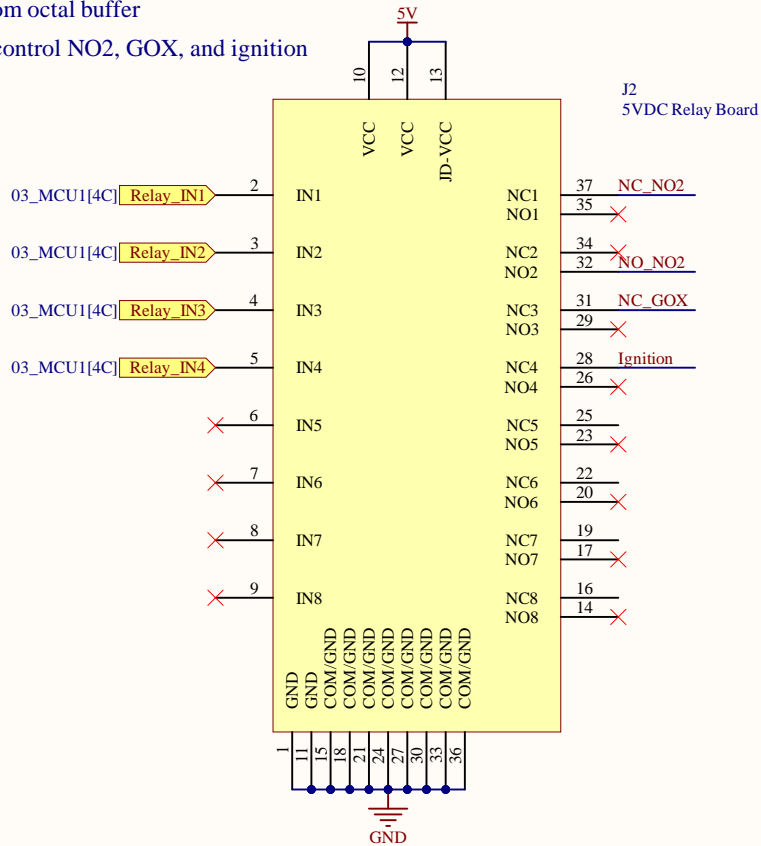
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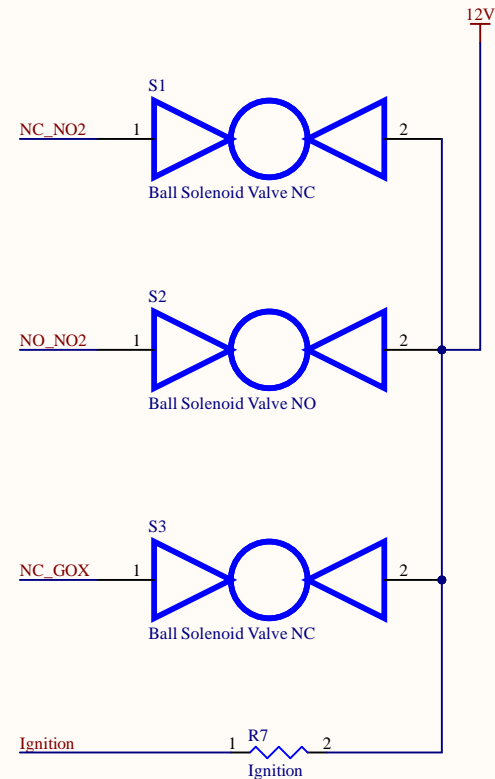
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Size	Number	Revision
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Relay Control

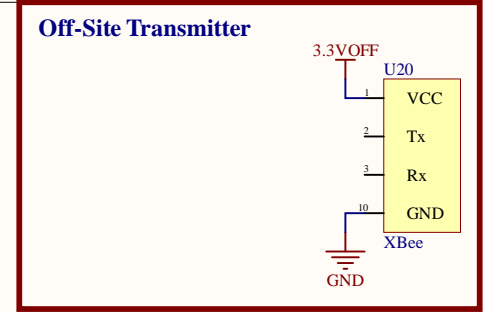
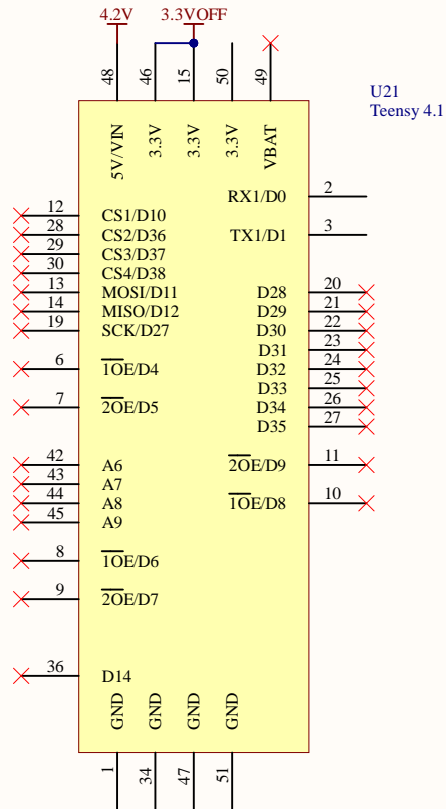
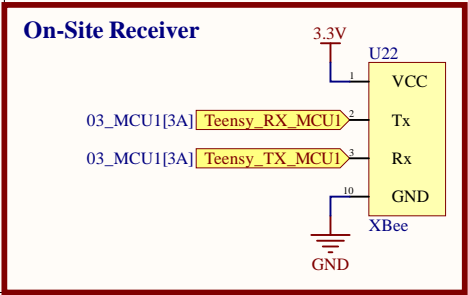
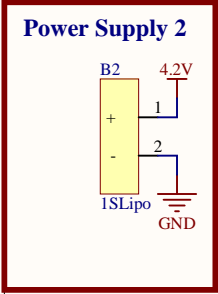
Inputs from octal buffer
Outputs control NO2, GOX, and ignition



Solenoid Valves



Title		
06_Relays_and_SolenoidValves.SchDoc		
Size	Number	Revision
A4		
Date:	2/17/2023	Sheet of
File:	C:\Users\...06_Relays_and_SolenoidValves.SchDoc	By: Juan Rafael Munoz, Jr.



Title		
07_Wireless_Communication.SchDoc		
Size	Number	Revision
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