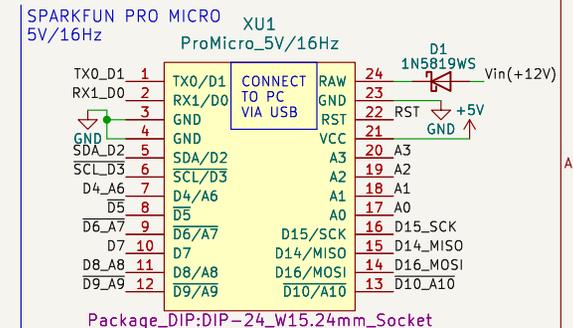
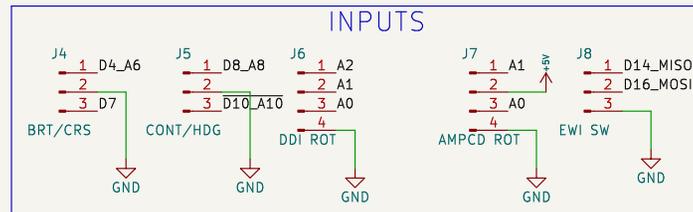
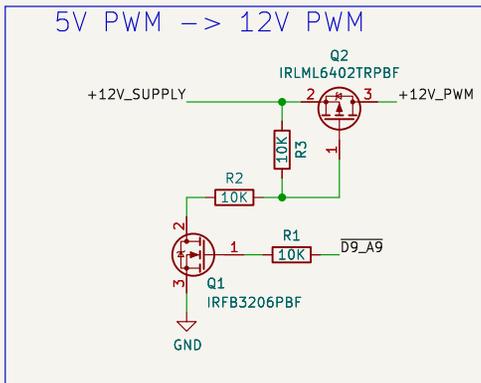
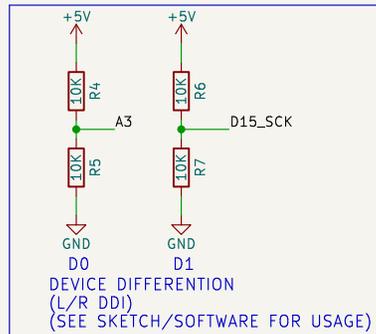
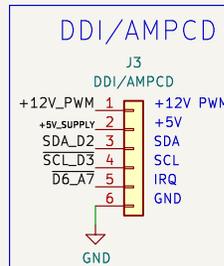


## NOTES: (UNLESS OTHERWISE SPECIFIED)

- RS485 BUS TERMINATION: DO NOT INSTALL J2 (BUS OUT) CONNECTOR AND ADD A 120Ω THRU-HOLE RESISTOR ACROSS PINS 4&5 OF J2(BUS OUT) ON LAST ABSIS ALE OF RS485 BUS.
- FOR ARDUINO PRO MICRO PROGRAMMING VIA USB: MAY BE PROGRAMMED IN-CIRCUIT.
- THE RAW POWER PIN ON THE PRO MICRO AND +12V\_SUPPLY ARE TIED TOGETHER. IF THE PRO MICRO BOARD IS POWERED VIA USB, THE VOLTAGE AT THIS PIN IS ABOUT 4.8V.
- THIS PCB IS DESIGNED TO CONTROL BOTH THE DDI AND AMPCD:
  - FOR CONNECTION TO DDI, CONNECT BRT SW TO J4, CONT TO J5, AND TOP ROTARY TO J6.
  - FOR CONNECTION TO AMPCD, CONNECT CRS TO J4, HDG TO J5, AND TOP ROTARY TO J7.
- WARNING: J6 OR J7 MAY ONLY BE USED ONE AT A TIME.
- IF PCB IS POWERED VIA ABSIS BUS (I.E. PRO-MICRO IS POWERED VIA RAW PIN INSTEAD OF USB) THEN DESOLDER/REMOVE F1 FUSE ON PRO-MICRO AND ENSURE JP1 JUMPER ON PRO-MICRO IS NOT BRIDGED/SOLDERED. FAILURE TO DO SO WILL RESULT IN POWER FROM ON BOARD VOLTAGE REGULATOR BACKFEEDING THE USB POWER LINE.

CAUTION: AFTER THIS MODIFICATION, THE PRO-MICRO CAN ONLY BE POWERED VIA THE RAW PIN. USB POWER WILL NOT BE AVAILABLE TO THE PRO-MICRO.



Package\_DIP:DIP-24\_W15.24mm\_Socket

NOTE: IN ARDUINO CODE:  
USE "SERIAL" FOR USB;  
"SERIAL1" FOR TX/RX PINS.

