NOTES: (UNLESS OTHERWISE SPECIFIED)

1) 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.

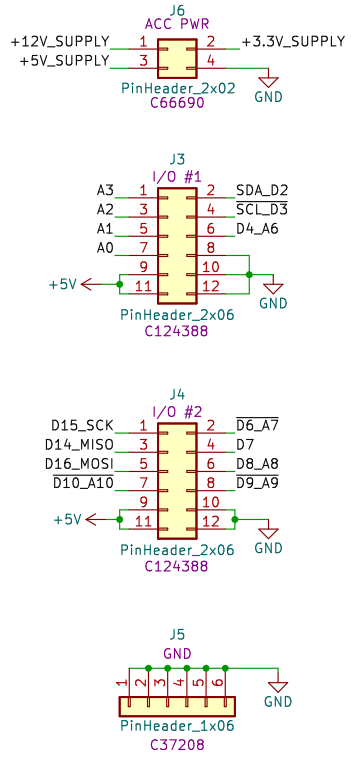
2) FOR ARDUINO PRO MICRO PROGRAMMING VIA USB: MAY BE PROGRAMMED IN-CIRCUIT.

3) 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

4) IF ALE 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.

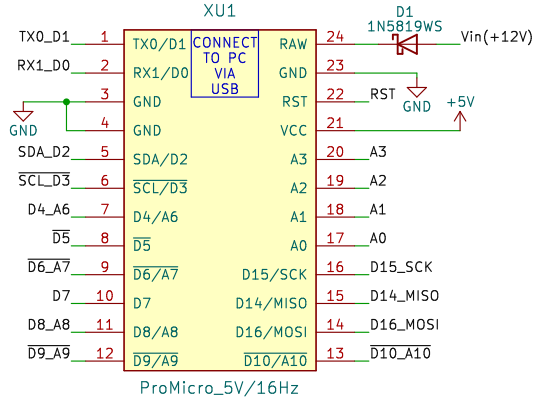
   CAUTION: AFTER THIS MODIFICATION, THE PRO-MICRO CAN ONLY BE POWERED VIA THE RAW PIN. USB POWER WILL NOT BE AVAILABLE TO THE PRO-MICRO.

ABSIS_ALE I/O BREAKOUT



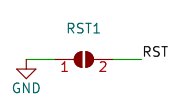
NOTE: IN ARDUINO CODE:
USE "SERIAL" FOR USB;
"SERIAL1" FOR TX/RX PINS.

SPARKFUN PRO MICRO
5V/16Hz

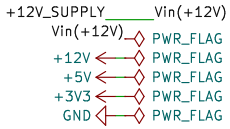


MOUNTING HOLES

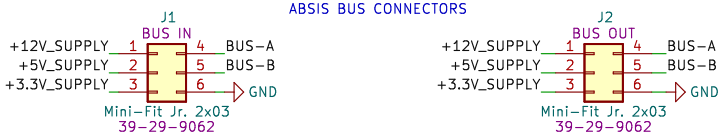
"RESET" JUMP PADS



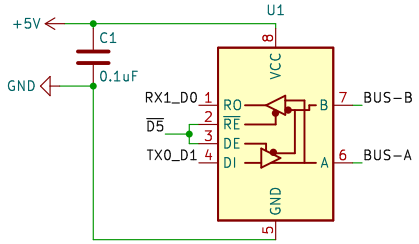
PWR FLAGS



ABSIS BUS CONNECTORS



RS485 BUS CONTROLLER



LOGOS/SILKSCREENS

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Title: ABSIS ALE (ALmost Everything)

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