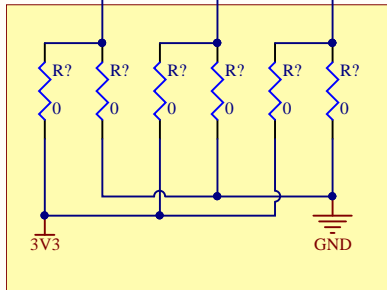
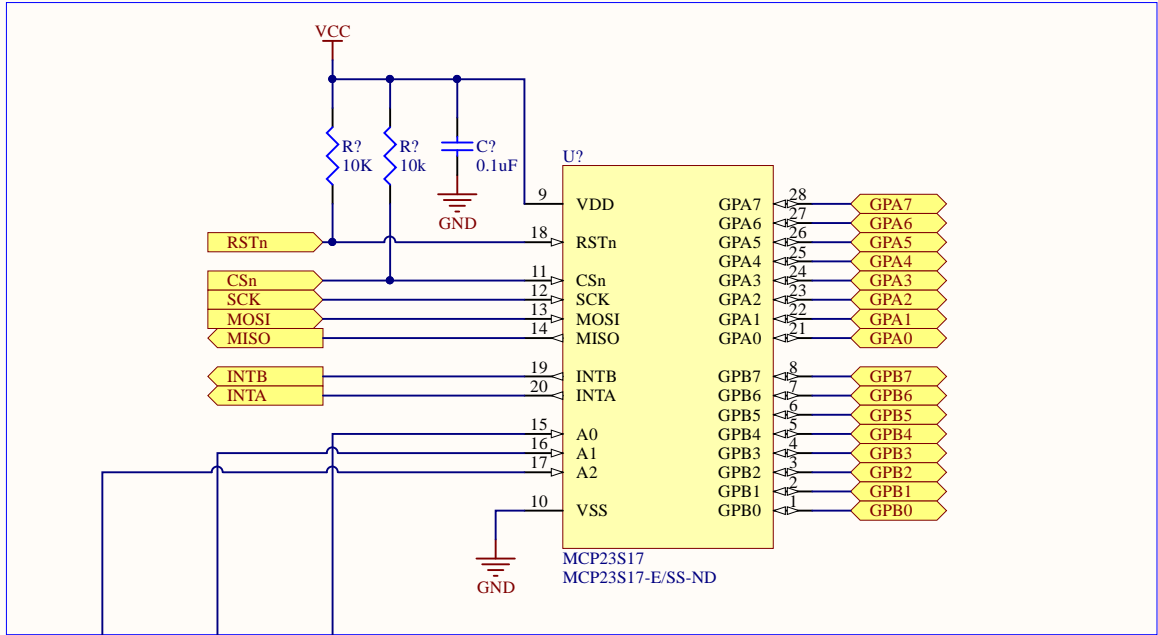
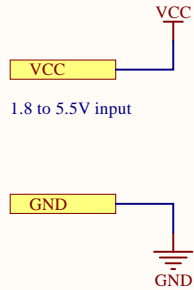


POWER INPUTS



CHANNEL SELECTION

ONLY SOLDER ONE 0 OHM FROM EACH PAIR
PEX ADDRESS = A2 A1 A0
VCC = 1 GND = 0

This schematic implements the MCP23S17 SPI port expander, and does some common-sense things like adding a bypass capacitor to the power supply and pull-up resistors to RSTn and CSn.

Multiple port expanders can be connected to the same CSn line, and accessed via a device address that is used during software communication. This address is set in hardware via the A2, A1 and A0 pins. Soldering a 0 ohm resistor to VCC will set that bit to 1, and soldering to GND will set that bit to 0.

In the schematic which includes this file, you should make some note of the relevant hardware address that should be soldered during manufacturing.

Title		UTAT SS	
MCP23S17			
Size	Number	Revision	
A4	*	1.0	
Date:	2018-09-26	Sheet	* of *
File:	C:\Users\...\pex-MCP23S17.SchDoc	Drawn By:	Dylan Vogel