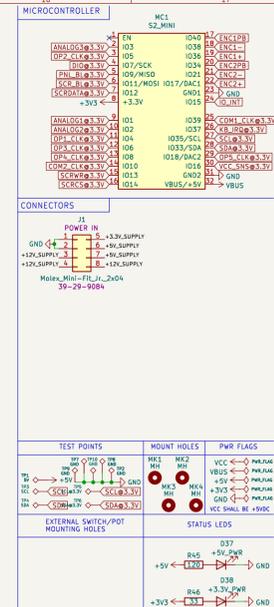
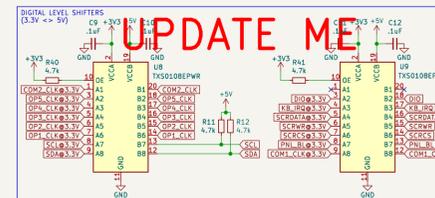
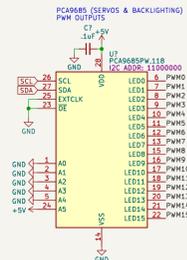
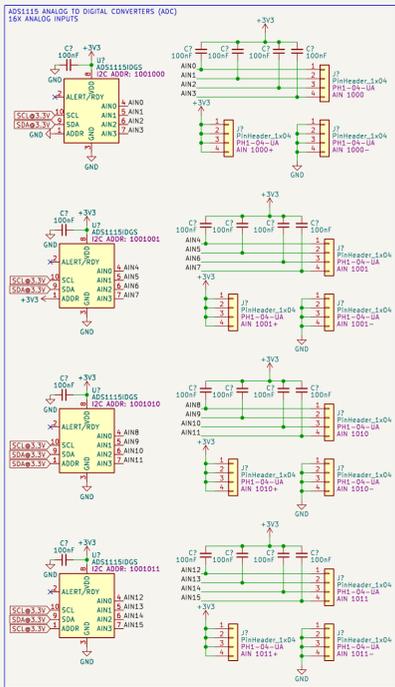
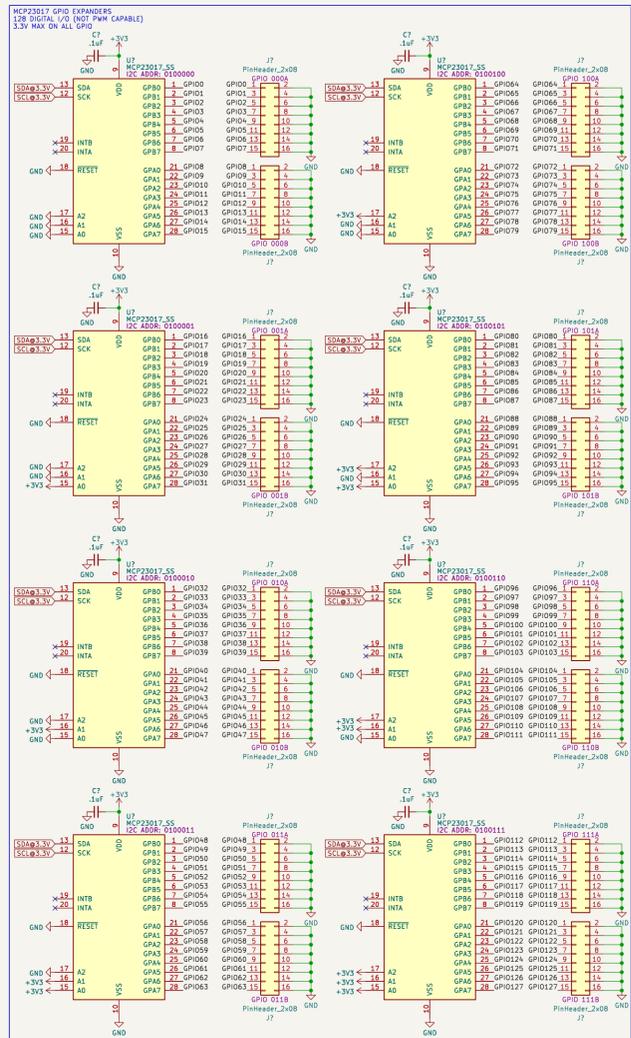


NOTES: (UNLESS OTHERWISE SPECIFIED)

1. PCB PURPOSE: TO CENTRALIZE CONTROL OF EACH CONSOLE OR OTHER ITEM WITH LARGE I/O REQUIREMENT. CONCEPT IS TO HAVE THIS GENERALIZED PCB, THEN A BREAKOUT PCB EACH PANEL WOULD BE ROUTED TO.
2. ABSIS MPC +5V BUS POWER SWITCHING:
  - 2.1. J14 CLOSED, J12 OPEN, J13 OPEN  
VBUS IS SOLELY POWERED BY RAW USB VBUS. (VCC) APPLIED. THEN 5V BUS IS POWERED BY VCC. (PREFERS/DEFAULT OPTION)
  - 2.2. J14 OPEN, J12 CLOSED, J13 OPEN  
5V BUS IS SOLELY POWER BY RAW EXT PWR (VCC).
  - 2.3. J14 OPEN, J12 OPEN, J13 CLOSED  
5V BUS IS SOLELY POWERED BY RAW USB VBUS. CAUTION: FALSE INDICATION OF EXT PWR VIA VCC\_SNS WILL OCCUR IF EXT PWR CONNECTED.
  - 2.4. J14 OPEN, J12 OPEN, J13 OPEN  
NO 5V POWER IS SUPPLIED TO THE UFC. WARNING: UFC WILL NOT FUNCTION IN THIS STATE.
3. LINKS FOR PROGRAMMING:
  - 3.1. <https://www.mikenguides.com/using-gpio-expander-mcp23017-with-arduino/>

IN EARLY DEVELOPMENT // DO NOT USE



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