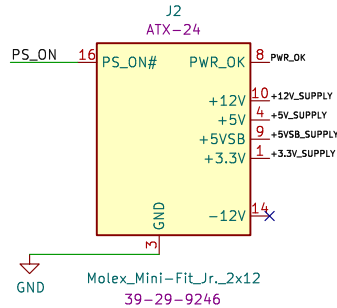
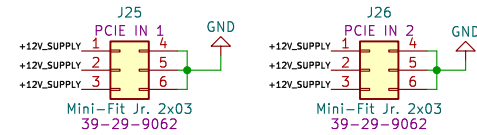


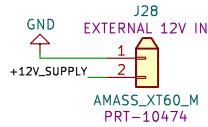
## POWER SOURCES



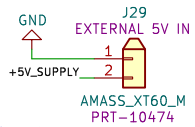
Note:  
Quality ATX PSU of 650W or greater should be used.  
A modular cable model is recommended.  
Make sure it is rated for 20A @ 5V



Note:  
Optional, used to provide additional 12V capacity from the ATX PSU.



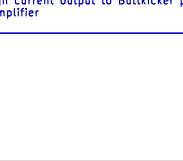
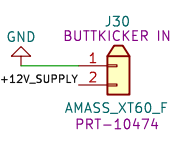
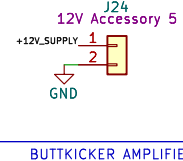
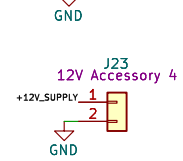
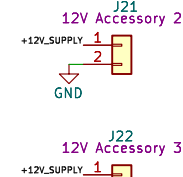
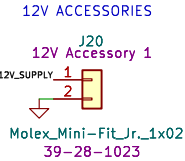
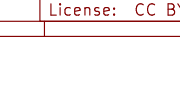
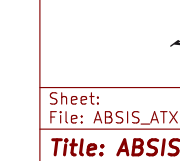
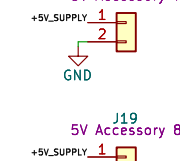
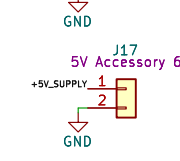
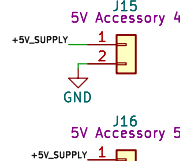
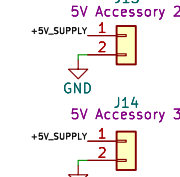
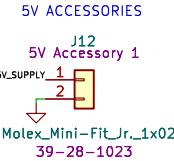
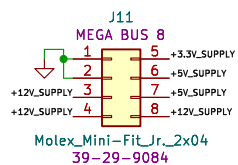
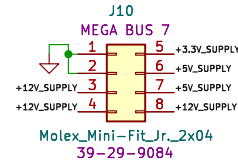
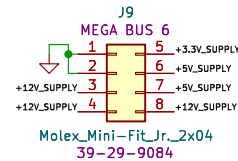
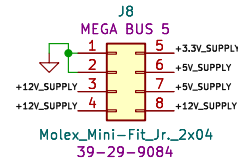
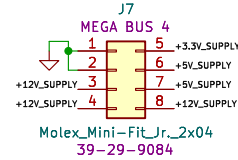
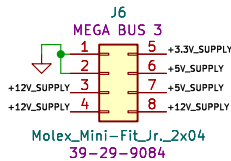
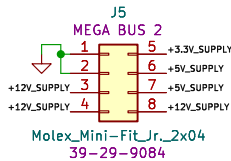
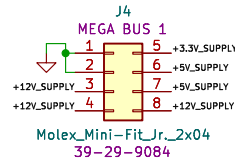
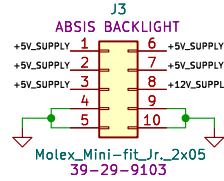
Note: XT60 Male Connector  
If an ATX PSU is used, this connection should not need to be utilised.  
Can also be used to connect a dedicated 12V PSU if an ATX one is not used.



Note: XT60 Male Connector  
Most ATX PSUs provide 20A max @ 5V.  
If additional 5V capacity is required, this port should be used.  
It can also be used to connect a dedicated 5V PSU.

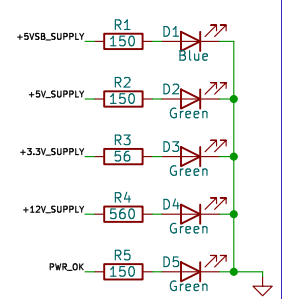
## POWER SINKS

Note: J3 - J24 connectors are to use Molex Mini-Fit Jr

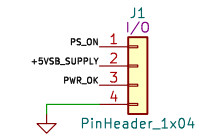


## LED FEEDBACK

Note: LED Feedback is optional



## CONNECTION TO PIT MANAGER



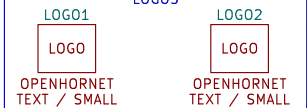
## MOUNTING HOLES



## PWR FLAGS



## LOGOS



## IMPORTANT NOTES:

- THIS IS TO BE MANUFACTURED AS A 4-LAYER PCB
- EACH LAYER REQUIRES A 2oz COPPER POUR
- THIS PCB ONLY HAS TOP LAYER COMPONENTS
- MAKE SURE TO READ THE INDIVIDUAL NOTES ASSOCIATED WITH EACH CONNECTOR ON THIS SCHEMATIC



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File: ABSIS\_ATX Power Supply Unit.kicad\_sch

**Title: ABSIS ATX Power Supply Unit**

Size: A Date: 2023-05-10  
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Rev: 6  
Id: 1/1