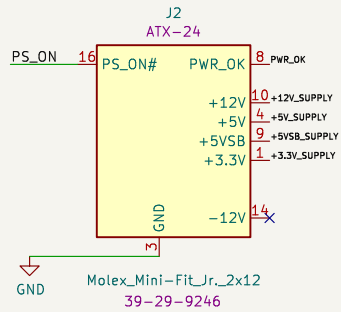
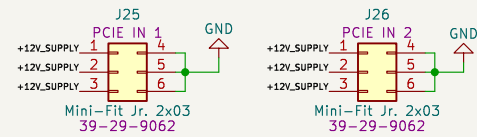


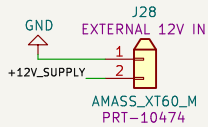
POWER SOURCES



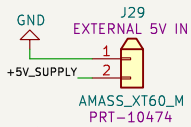
Note:
Quality ATX PSU of 650W or greater should be used.
A modular cable model is recommended.
Make sure it is rated for 20A @ 5V



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



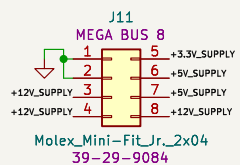
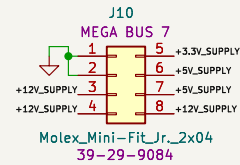
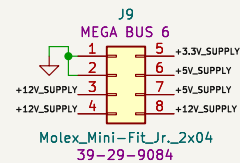
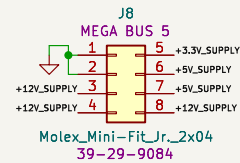
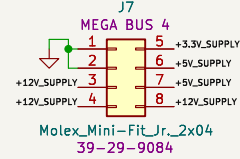
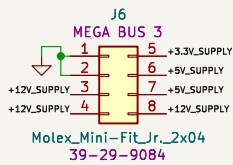
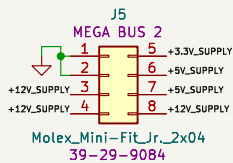
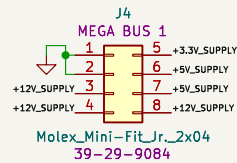
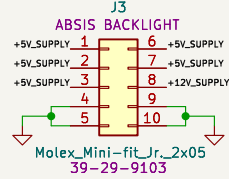
Note: XT60 Male Connector
If an ATX PSU is used, this connection should not need to be utilised.
Can also be used to connect a dedicated 12V PSU if an ATX one is not used.



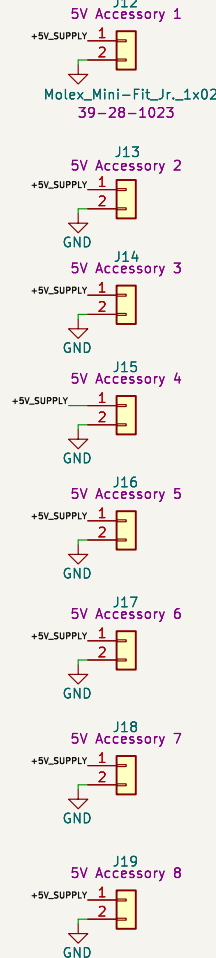
Note: XT60 Male Connector
Most ATX PSUs provide 20A max @ 5V.
If additional 5V capacity is required, this port should be used.
It can also be used to connect a dedicated 5V PSU.

POWER SINKS

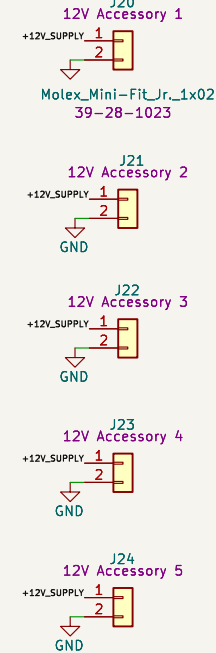
Note: J3 - J24 connectors are to use Molex Mini-Fit Jr



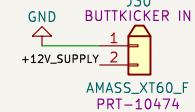
5V ACCESSORIES



12V ACCESSORIES



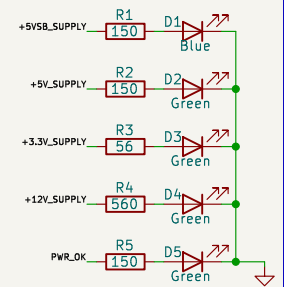
BUTTKICKER AMPLIFIER



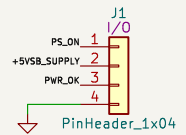
Note: XT60 Female Connector
High current output to ButtKicker power amplifier

LED FEEDBACK

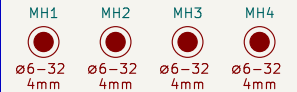
Note: LED Feedback is optional



CONNECTION TO PIT MANAGER



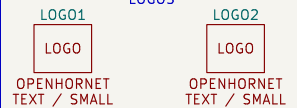
MOUNTING HOLES



PWR FLAGS



LOGOS



IMPORTANT NOTES:

- 1) THIS IS TO BE MANUFACTURED AS A 4-LAYER PCB
- 2) EACH LAYER REQUIRES A 2oz COPPER POUR
- 3) THIS PCB ONLY HAS TOP LAYER COMPONENTS
- 4) 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

KiCad E.D.A. 9.0.0

Rev: 6

Id: 1/1