

2021-11-15

By: Ash

Work around the Stepper Driver Mode change issue: SD_MODE pin was lifted up and connected manually with GND in order to change the TMC5160 Mode from STEP / DIR Mode to Internal Ramp Mode.



Correction: Increase connecting header by two pins to allow the stepper motor mode to be changed from the STM32.

2021-10-25

By: Ash (meeting with CB)

- RGB LED mounted incorrectly causing power loss
- One of the regulators onboard (14V -> 12V) has a very poor quiescent current (always consumes), 10mA. 14V induces switching noise. Consumes ~58mA when the bottom board is connected is OK

To Do: Find alternative to the 14V to 12V regulator

Correction: Indicate RGB LED orientation on silkscreen and in design file.

2021-09-24

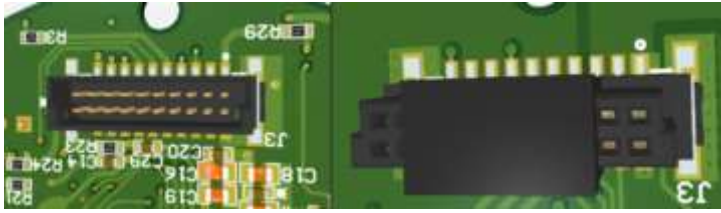
By: Hirokazu

Connector on bottom PCB reversed

Reason : One problem that I see is that during Soldering Assembly the connector is rotated.

Correction : The issue can be resolved if we resolder the connector. (Needs to be rotated)

Design change: I have checked this Little Dot Overlay, created this issue.



2021-09-27

By: Hirokazu

XT60 connectors have polarity, which is different from what's on the ELE board (ie reversed)

Correction: Indicate orientation of connector in design file and on Silkscreen (outline and +, - symbols)

2021-10-13

By: Ash

Japan boards also changed.

R3 and R29 were 0 Ohms and need to be changed to 10kOhms,

Correction: Update design files and BOM

2021-10-15

Yves & Coleman

7:25 - 8:10

Symptoms

- Resets because of temperature?
- One of the DC-DC converters has a heat reset which triggers at 40C.
- What's causing the heat and why is it consuming 2W without a load?
- Problem is with the top board (both?)
- Hiro burned the bottom board by accident
- As soon as it reaches 40C it resets

Faizan (Ash)

8:15 - 8:35

- @168 the 3.3V would have issues
- Resistor is 0 ohm when it should be 10k ohms (already fixed)