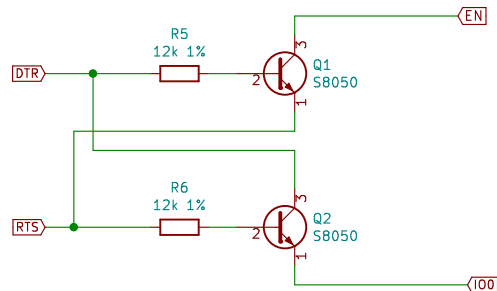
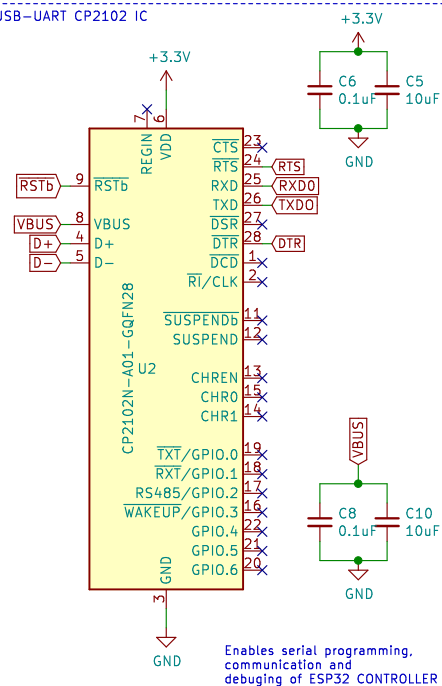


Press to Disable and release to Enable the ESP32.
This triggers a Reset in both ESP32 and CP2102

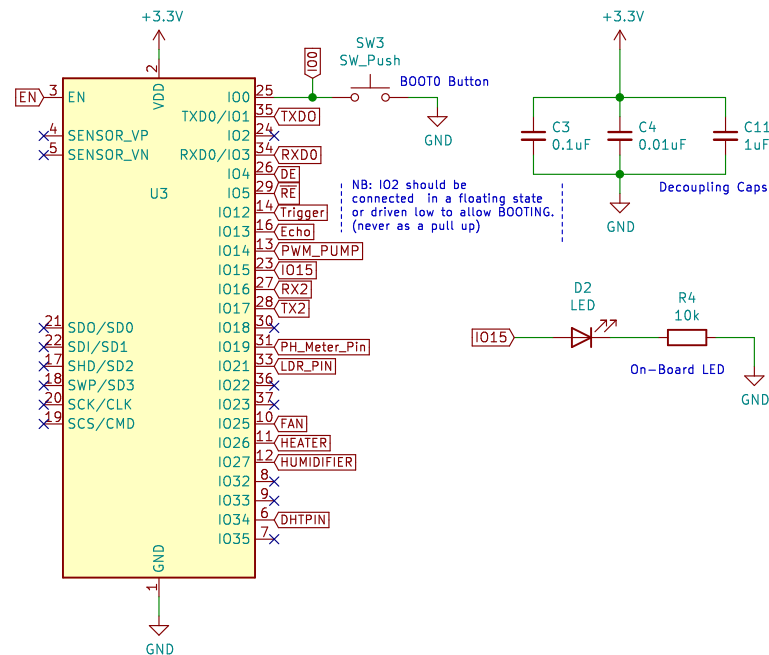


- | Polling CP2102 causes the EN and BOOT pins to shift
- | as caused by DTR and RTS
- | This Process causes the ESP32 to enter serial boot

```
Auto program
DTR RTS-->EN IO0
1 1      1 1
0 0      1 1
1 0      0 1
0 1      1 0
RFE: ESP32-DevKitC(ESP32_Core_Board_V2)_SCH
```



Enables serial programming,
communication and
debugging of ESP32 CONTROLLER



```
| NB: IO2 should be
| connected in a floating state
| or driven low to allow BOOTING.
| (never as a pull up)
```

Decoupling Caps

On-Board LED

Sheet: Sensors and Actuators

Sheet: POWER

File: Agriboard sheet 2.sch

File: Agrboard sheet 3.sch

AGRIBOARD : FARM AUTOMATION SYSTEM

Designed by: ROBERT M M

Reviewed by:

MACHADA LIMITED

Sheet: /

File: Automation 101_Agriboard.sch

Title: AGRIBOARD

Size: A4	Date: 2021-06-29
----------	------------------

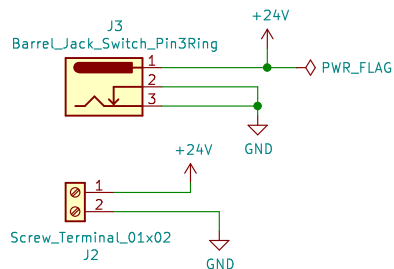
Date: 2021-06-29

Size: A1	Date: 2021
KiCad E.D.A.	kicad (5.1.8)-1

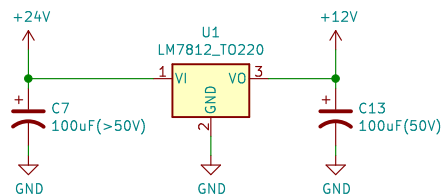
Rev: v 1

Id: 1/3

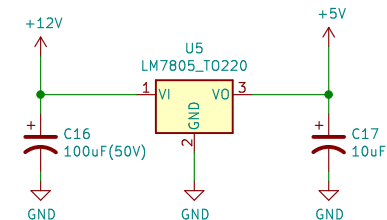
POWER SUPPLY PINS



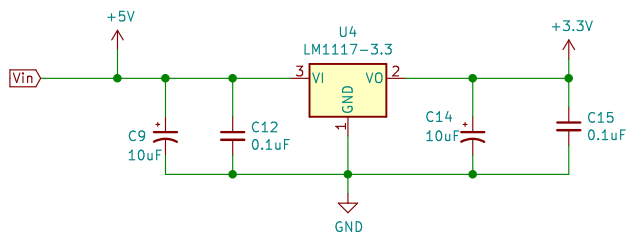
12V REGULATOR



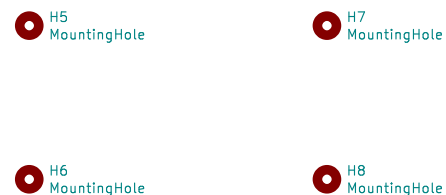
5V REGULATOR



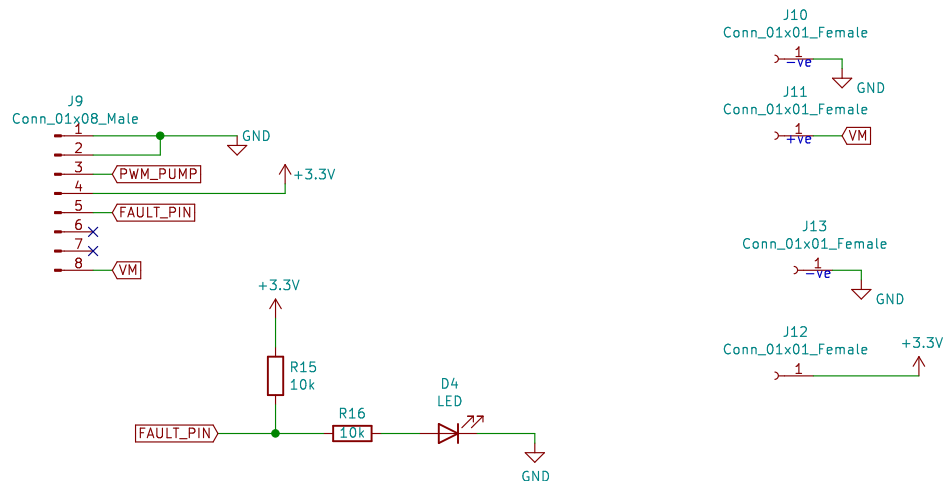
3V3 VOLT REGULATOR



MOUNTING HOLE



Pololu G2 High Power Motor Driver Connector



AGRIBOARD : FARM AUTOMATION SYSTEM

Designed by: ROBERT M M

Reviewed by:

MACHADA LIMITED

Sheet: /POWER/

File: Agrboard sheet 3.sch

Title: AGRIBOARD

Size: A4 Date: 2021-06-29

KiCad E.D.A. kicad (5.1.8)-1

Rev: v 1

Id: 2/3

