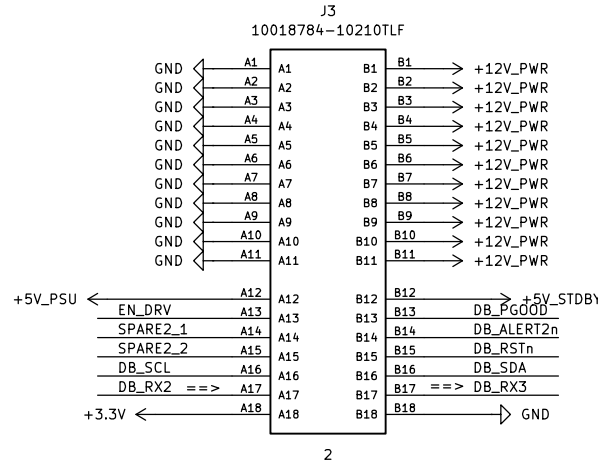
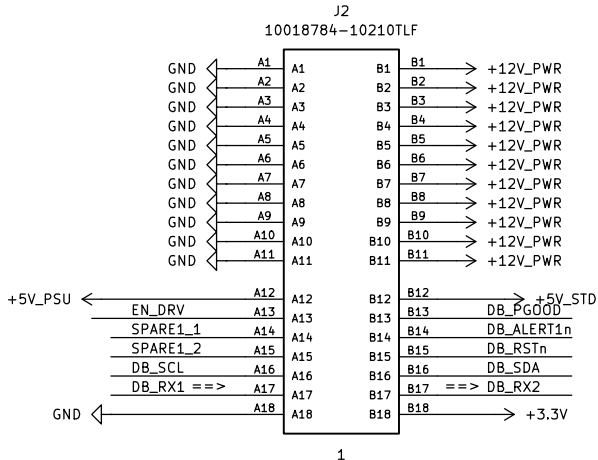
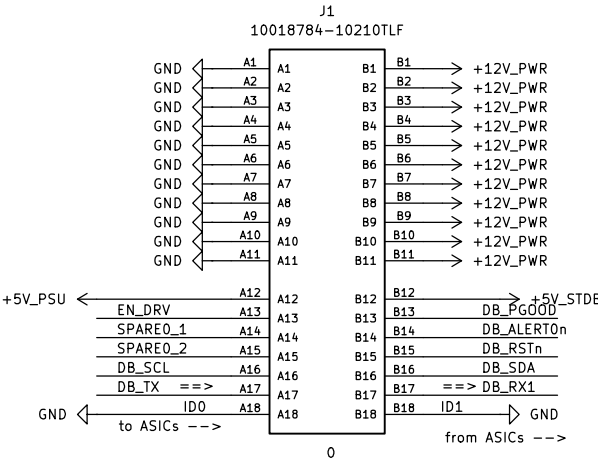
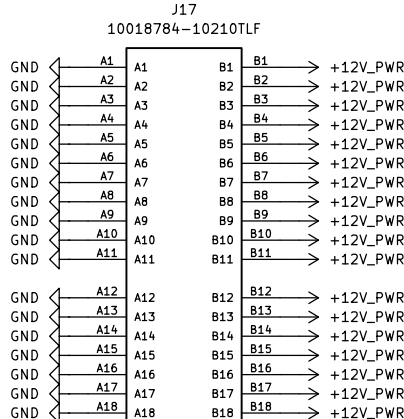
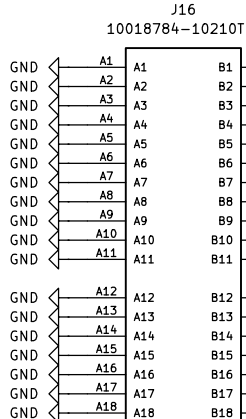
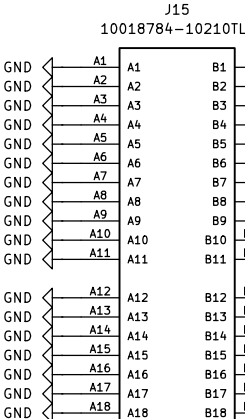
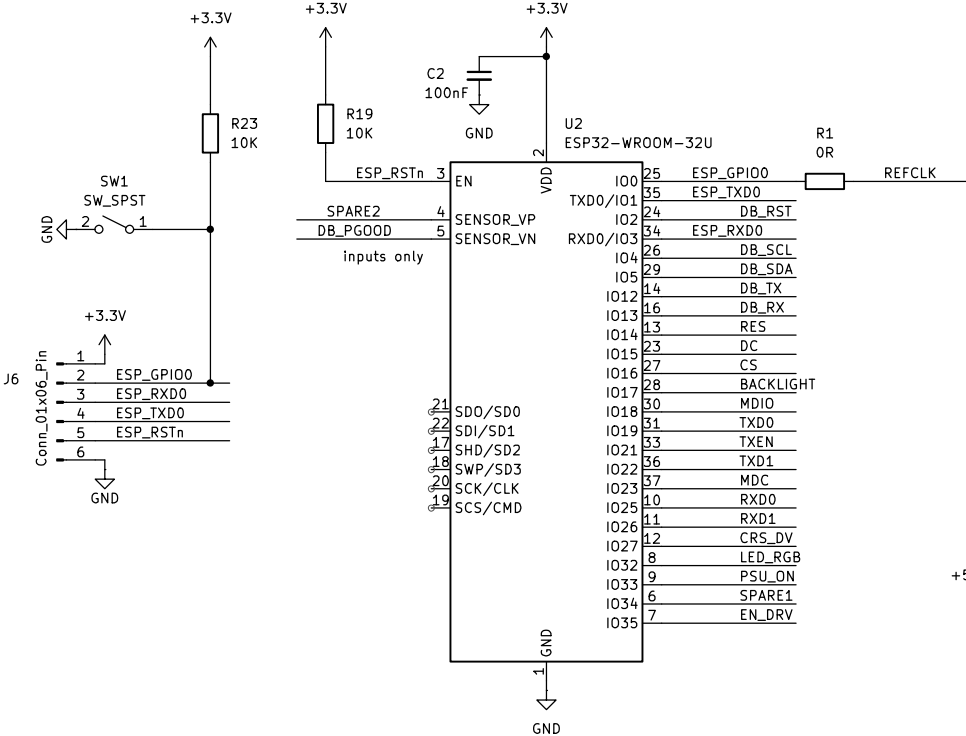
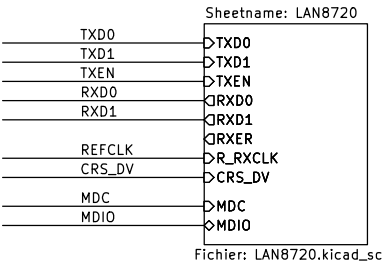
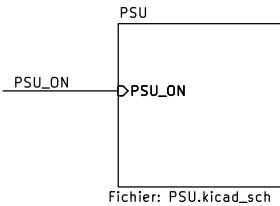


10018784-10210TLF  
Amphenol 0.42€



current rating 1.1A per contact  
if 1 connector : max 12A 12V (150W) per car  
if 2 connectors : max 32A 12V (380W) per car

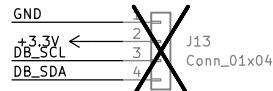
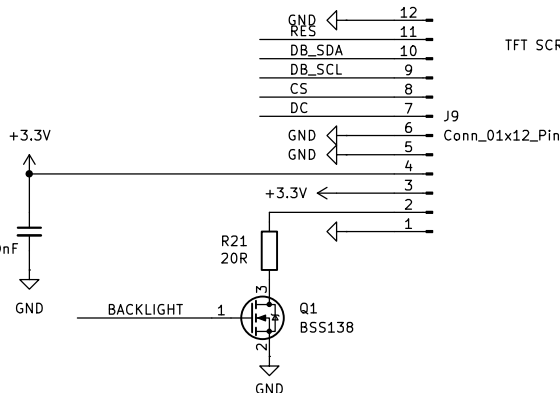
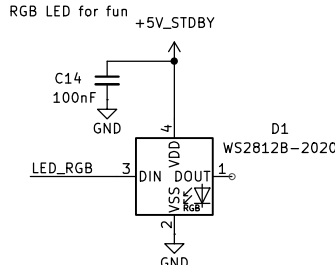
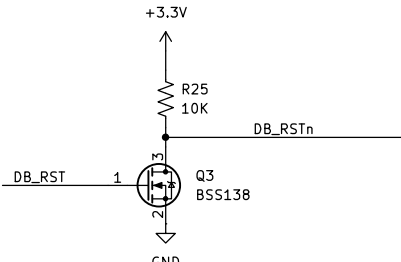
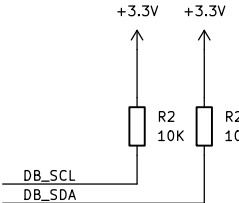
10018784-10211TLF : 64 contacs  
less expensive to use 2 36 contacs



```

01017 ETH for clock_PHY_LAN8720_ETH_CLK_MODE=ETH_CLOCK_GPIO17_OUT (3)
GPIO17H Signal(ESP32 EMAC FunctionNotes
GPIO21 TX_EN EMAC_TX_EN
GPIO19 TXD EMAC_TXD0
GPIO22 TX1 EMAC_TXD1
GPIO25 RX0 EMAC_RXD0
GPIO26 RX1 EMAC_RXD1
GPIO27 CRS_DV EMAC_RX_DRV
GPIO23 ETH_MDC_PIN
GPIO18 ETH_MDIO_PIN

```



Écran LCD couleur TFT, 1.47 pouces, IPS, 12 broches, 172x320, interface SPI, ST7789

3D models  
<https://grabcad.com/library/tag/tft>



voir les models Ronds 240x240 ??

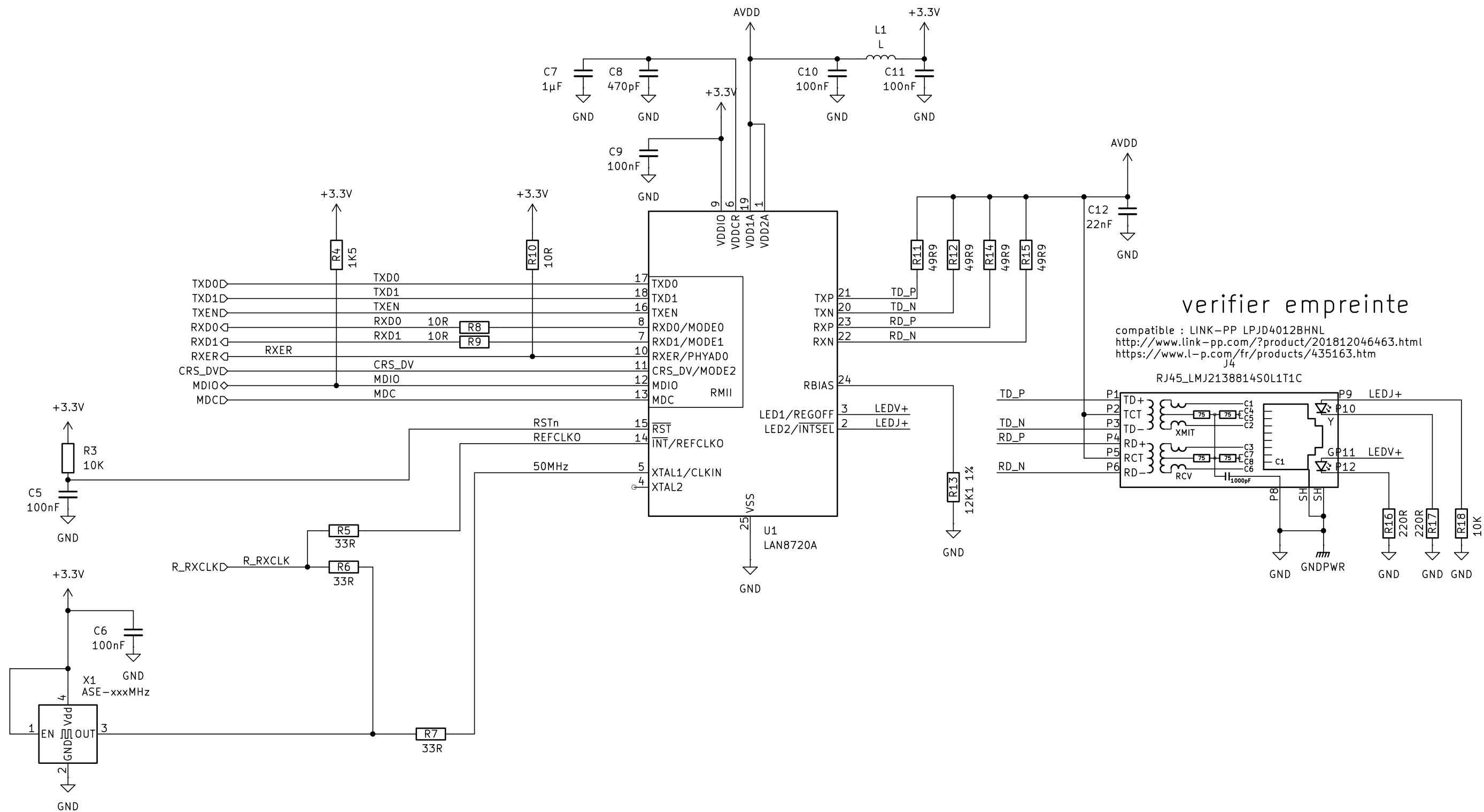
OLED Display Header  
SSD1306 128x32 I2C OLED

ajouter un MAX14830 19€ !!  
<https://www.analog.com/en/products/max14830.html>

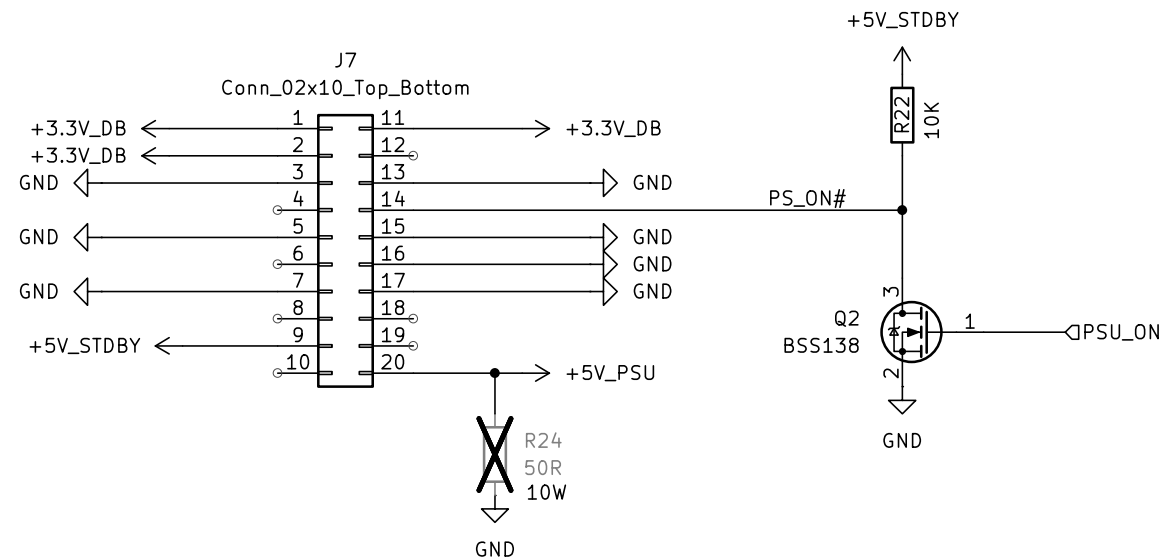
ou ICE40 : 2.23€  
<https://eu.mouser.com/ProductDetail/Lattice/ICE40LP384-SG32?qs=sGAEpiMZZMuPkENZOvpB0PCZ0d3jVogiKEomupDEFos%3D>  
<https://www.latticesemi.com/products/designsoftwareandip/intellectualproperty/referencedesigns/referencedesign03/spitoutartexpander>

H1  
MountingHole  
H2  
MountingHole  
H3  
MountingHole  
H4  
MountingHole

**EKO\_Miner 2403**  
**V1.0 20240310**

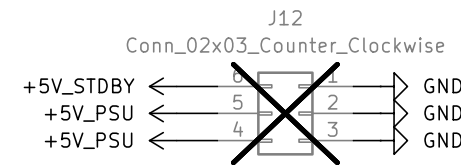
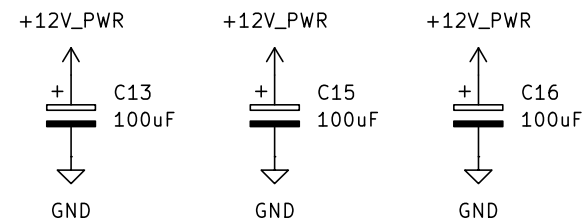
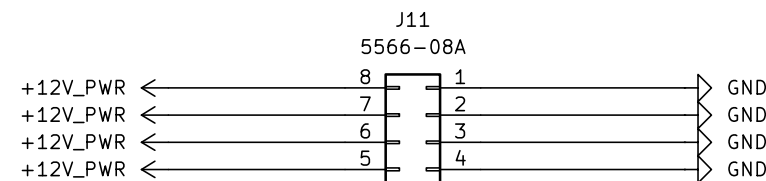
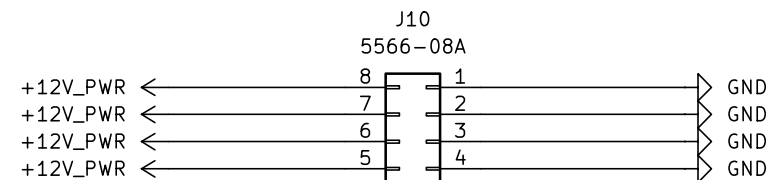


Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row,  
20 Circuits, without Snap-in Plastic Peg PCB Lock, Tin, Natural

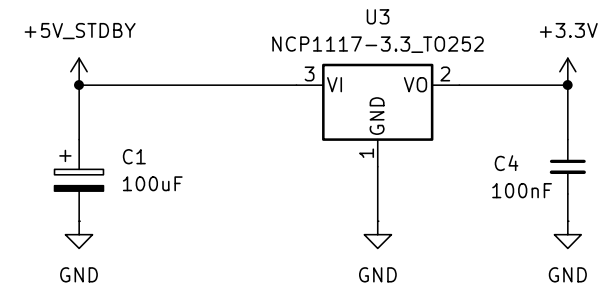


PS\_ON# activated by pressing and releasing the power button while the power supply is in standby mode. Shorting the pin 14 (PS\_ON#) to GND (COM) causes power supply to switch ON. PS\_ON# (active low). Short this pin to GND to switch power supply ON, disconnect from GND to switch OFF.

Pin 9 (standby) supply 5V even when PSU is turned off. Pin 14 goes from 0 to 3.7 when PSU switch is turned on.



ALIM OUT to next EKO\_Miner



11	+3.3v	Orange	Orange	+3.3v	1
12	-12v	Blue	Orange	+3.3v	2
13	Ground	Black	Black	Ground	3
14	PS-On	Green	Red	+5v	4
15	Ground	Black	Black	Ground	5
16	Ground	Black	Red	+5v	6
17	Ground	Black	Black	Ground	7
18	-5v	White	Gray	Power Good	8
19	+5v	Red	Purple	+5v Standby	9
20	+5v	Red	Yellow	+12v	10

13	+3.3v	Orange	Orange	+3.3v	1
14	-12v	Blue	Orange	+3.3v	2
15	Ground	Black	Black	Ground	3
16	PS-On	Green	Red	+5v	4
17	Ground	Black	Black	Ground	5
18	Ground	Black	Red	+5v	6
19	Ground	Black	Black	Ground	7
20	NC	White	Gray	Power Good	8
21	+5v	Red	Purple	+5v Standby	9
22	+5v	Red	Yellow	+12v	10
23	+5v	Red	Yellow	+12v	11
24	Ground	Black	Orange	+3.3v	12

<https://dronebotworkshop.com/atx-bench-supply/>

<https://www.electronics-tutorials.ws/blog/convert-atx-psu-to-bench-supply.html>

<https://www.smpspowersupply.com/connectors-pinouts.html>

The Molex Mini-Fit Jr. series is designed for high current/high density applications that require the design flexibility of wire-to-wire and wire-to-board configurations in the interconnection system. The Mini-Fit Jr. is appropriate for both power and signal applications as it can carry currents of up to 9.0 A per circuit and has a 10 mΩ contact resistance. The Mini-Fit product family accepts the same terminals and application tooling, further reducing your design and qualification effort.

<https://www.lifewire.com/atx-6-pin-12v-power-connector-pinout-2624580>