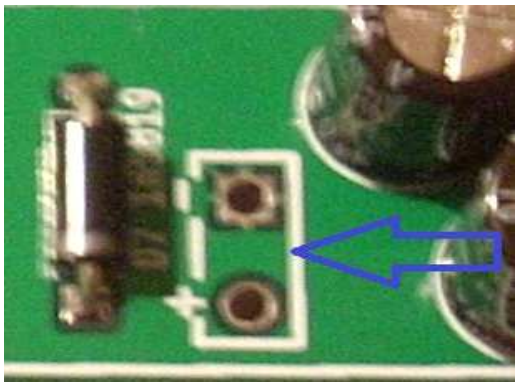
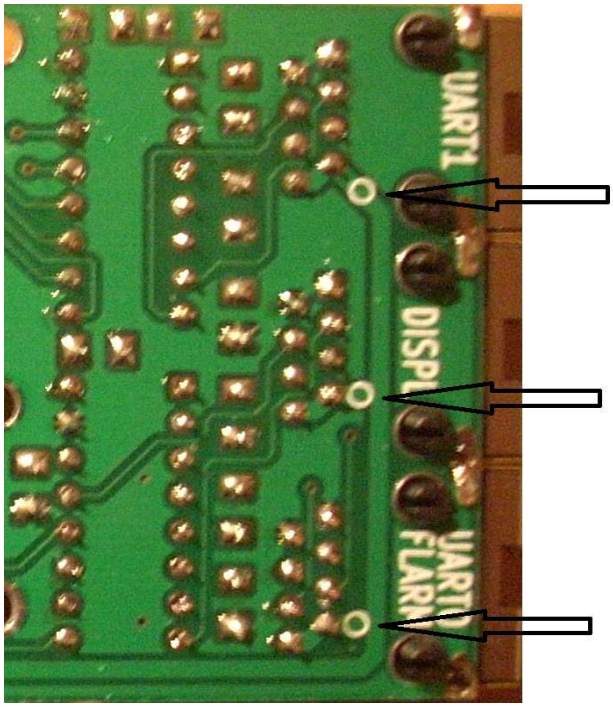
SOARTRONIC UART Interface v2 quick manual

1. Power supply points.



12v battery voltage input. Use these two solder points for 12v supply.

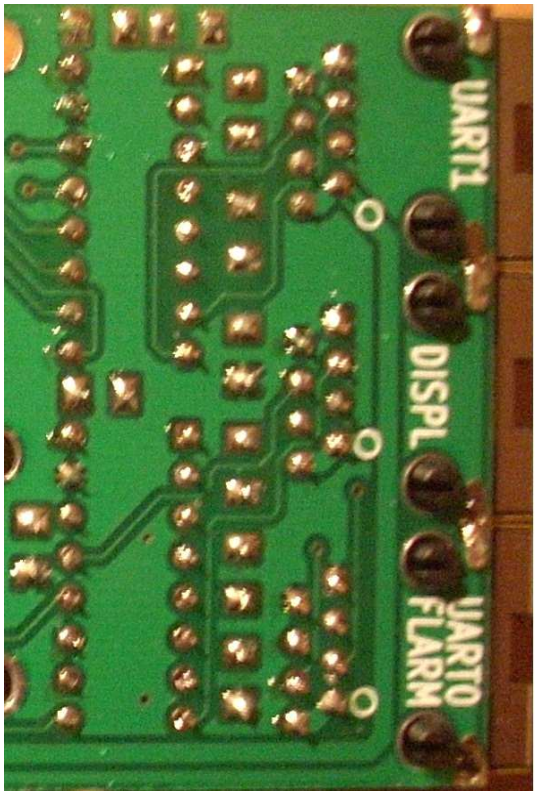


Cutting points to disable 12v output for each RJ45 connector.

By default, 12v supply voltage is fed to the rj45 connectors and can be used for power up devices connected to the rj45 ports.

If needed 12v for each rj45 can be disabled by cutting copper stripe. Cutting points are marked by white circle.

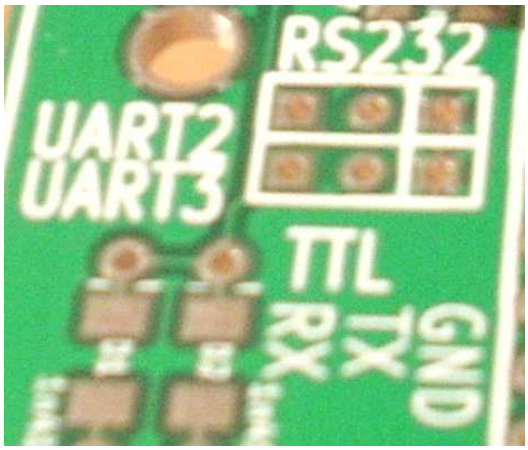
2. RJ45 UART ports.



UART1

UART0
For Flarm display

UART0
For Flarm or other devices



UART2 and UART3 onboard solderpoints.

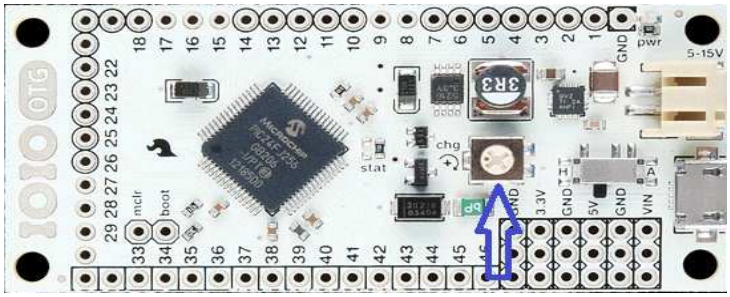
UART2 is rs232 level compatible serial port, rs232 devices can be connected directly to this port.

UART3 is TTL compatible(0-5v) serial port, and external max232 level sifter may be required!

3.

Turn USB debugging on in your android settings.

Connect usb cable and power up UART interface card, adjust charge current trimmer on IOIO card to the position that your android detect IOIO/uart interface.



Charge trimmer.

Appendix.

Pin description of rj45 port:

1 GND

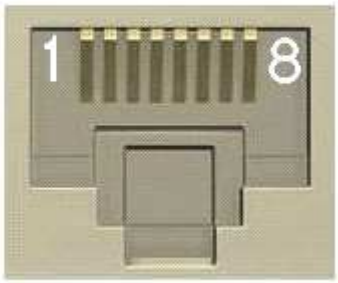
2 GND

3 TX

4 RX

7 12V

8 12V



1:1 RJ45 - RJ12 and RJ45 - RJ45 cable schematic