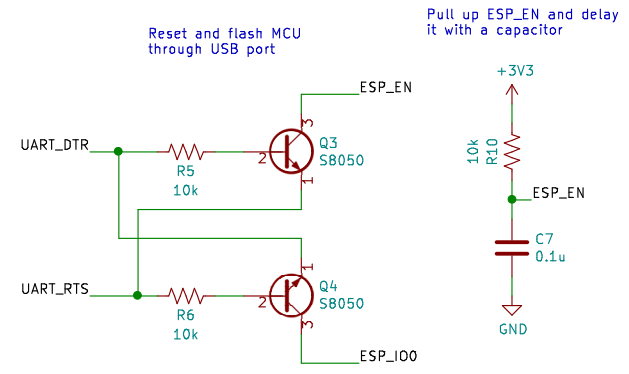
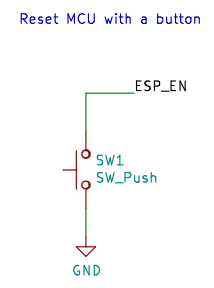
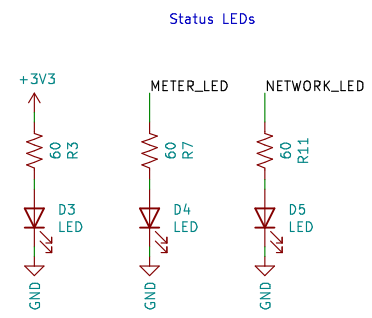


HAN_DATA is an open collector that is normally closed. Closed (1): HAN_DATA is low and sinks about 3 mA. RX will be close to +3.3 V. Open (0): HAN_DATA becomes high, about 2 mA goes into the base of the transistor (V_{BE} sat is 1.2 V). Transistor will open and collector will sink about 3 mA. RX will be around +0.5 V (V_{CE} sat is 0.5 V).

ESP32 Low Level Input voltage is 0.25xVDD, about 0.8 V



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File: e-meter-usb-c.sch		
Title: Electricity meter HAN reader		
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