USB-to-Serial

3.3V	1
TxD	2
RxD	3
GND	4
5V	5

4k7

AVR/ESP programming

*** keep unattained to pass on serial line to ESP (programming and monitoring)
*** hold down for UPDI programming the AVR with Pyupdi (the ESP will then lalso listen to the UPDI programming protocol, but this does not matter)
*** on the AGCCS board, this is the RED switch

J5

UPDI	1	2	GND
ESP_TX0	3	4	3.3V
ESP_RX0	5	6	
ESP_IO0	7	8	ESP_EN

150

LED

120   120

*** when pulled to ground, our firmeware "demesh.c" will go in target-debug mode (i.e. accespoint with telnet forwarding of the AVRs Tx0 und Rx0)

DebugAVR   10n   ESP_EN   ESP_BOOT

*** ESP serial line programming: hold down ESP_BOOT while cycling ESP_EN; on the AGCCS board, ESP_BOOT is BLACK and ESP_EN is GREY

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File: agccs-j5adaptor-1-2.sch
Title: J5 Adaptor
Size: A4   Date: 2021-03-12   **Rev: 1.2**
KiCad E.D.A. kicad (5.1.9-0-10_14)   Id: 1/1