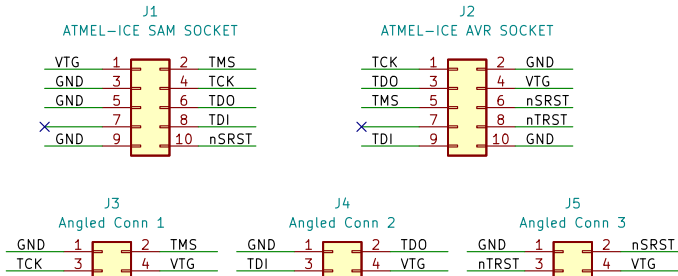


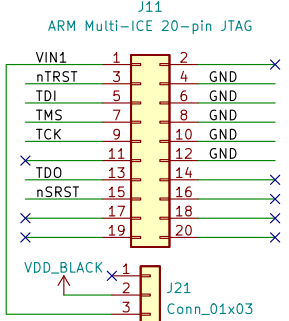
ATMEL-ICE CONNECTORS

Distance PIN 1 AVR connector to PIN 1 SAM connector = 13.4 pins = 17mm

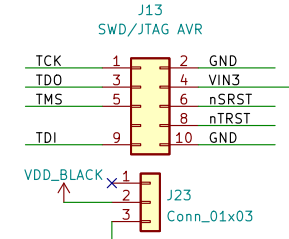


TARGET CONNECTORS

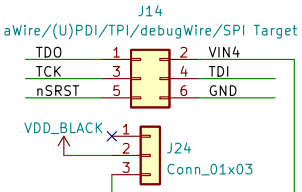
ARM JTAG (20-pin acc. to MULTI-ICE)



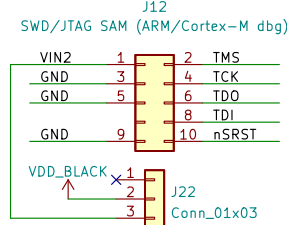
AVR JTAG



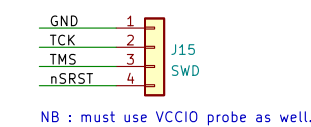
6-PIN VARIOUS



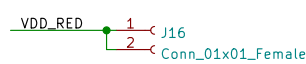
ARM JTAG (10-pin standard)



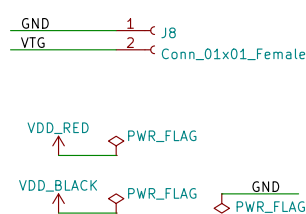
ARDUINO 4-PIN DEBUG CONNECTOR



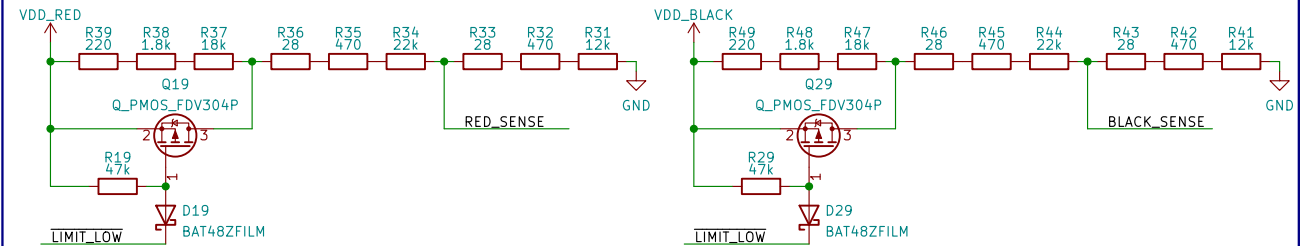
VCCIO PROBE



VOLTAGE TEST POINTS

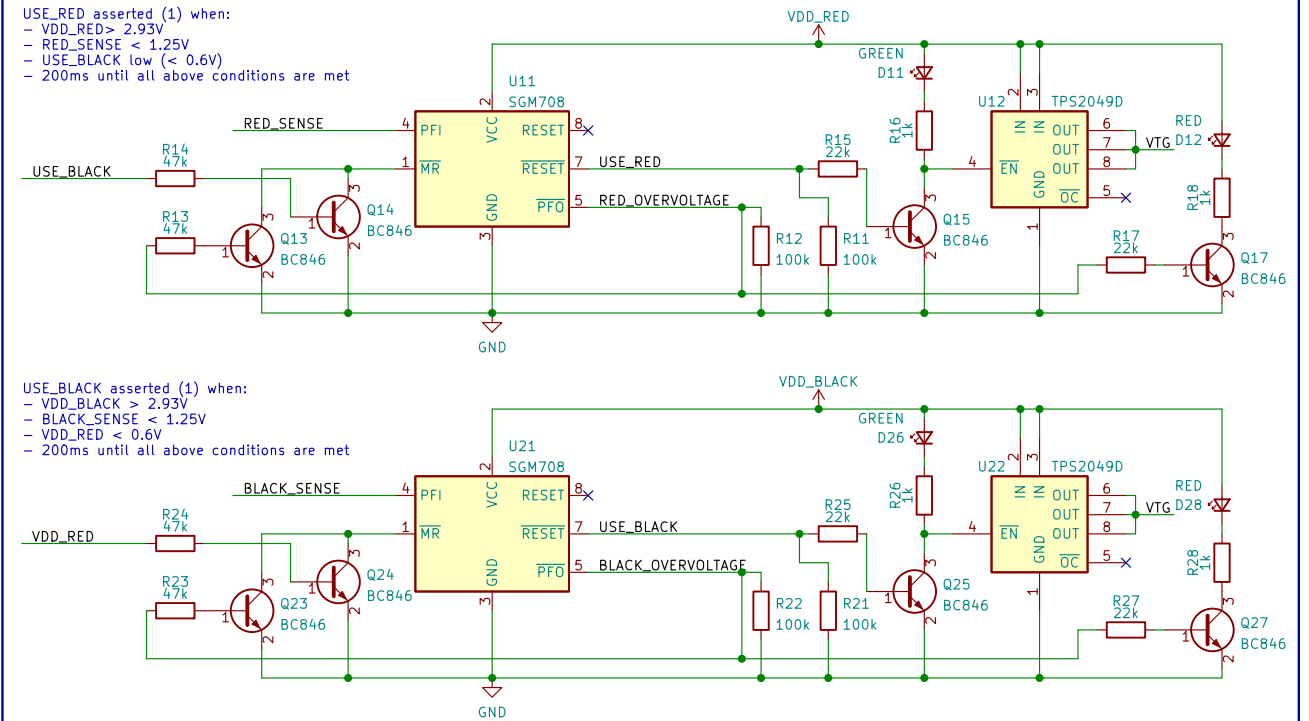


INPUT VOLTAGE SENSING

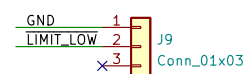


POWER PATH SWITCHING

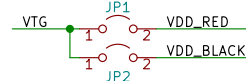
Takes VTG (Target I/O Reference Voltage) from either the RED (VCCIO probe) if present, BLACK (Target Connectors) otherwise. Turns on VTG only if input voltage is above -3V and below the limit as set by LIMIT_LOW jumper and divider networks.



Select 3.5V or 5.5V VCCIO limit



Bypass of onboard power management (dangerous)



Adapter for using ATMEL-ICE with various targets
With monitoring of VCCIO to avoid damaging targets due to bad wiring
(e.g. SPI connector on Arduino Due)
Licensed under CERN-OHL-W v2

Sheet: /
File: ATMEL-ICE-Octopus.kicad_sch

Title: ATMEL-ICE-OCTOPUS

Size: A4 Date:
KiCad E.D.A. kicad (6.0.2-0)

Rev: A1
Id: 1/1