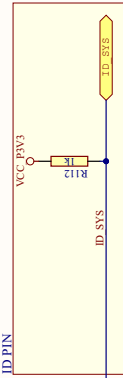
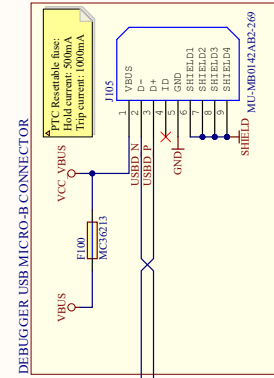
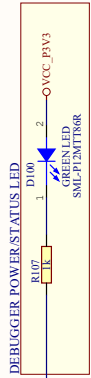
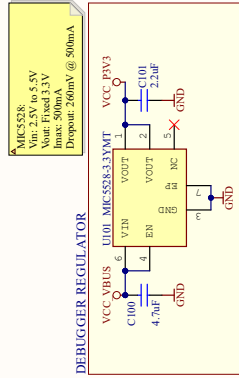


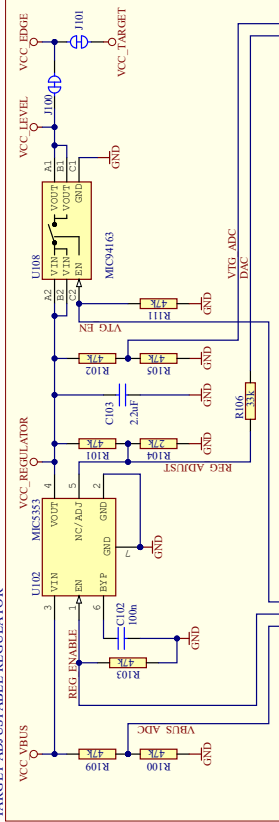
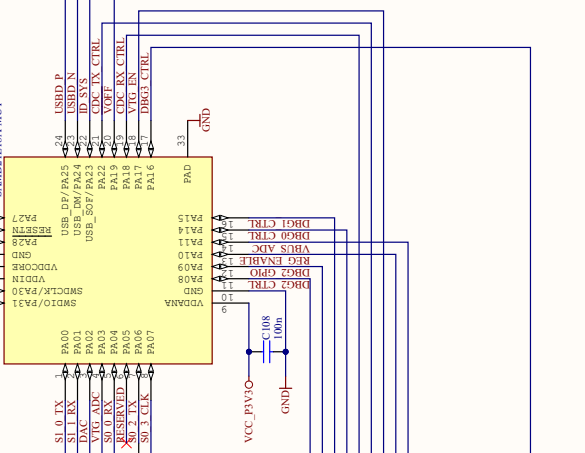
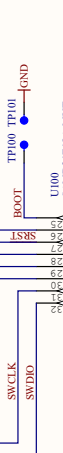
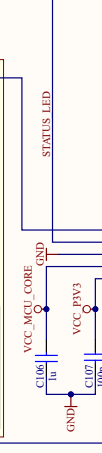
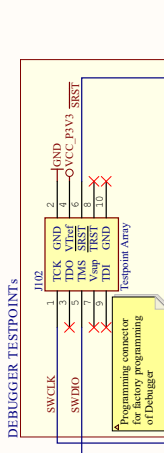
Interface	I2SP	TARGET	UPDI	SWD	TARGET
CDC TX	UART TX	UART TX	UART TX	UART TX	UART TX
CDC RX	UART TX	UART TX	UART TX	UART TX	UART TX
DBG0	DAT	UPDI	UPDI	SWDAT	
DBG1	CLK	GPIO	GPIO	SWCLK	
DBG2	GPIO	GPIO	GPIO	SWOGPIO	
DBG3	WCEC	RESET	RESET	RESET	
VCC	-	-	-	-	



J100:
 Cut-strip used for full separation of target power from the level shifters and on-board regulators.
 - For current measurements using an external power supply, this strip could be cut for more accurate measurements. Leakage back through this switch is in the micro ampere range.

J101:
 This is footprint for a 1x2 100mil pitch pin-header that can be used for easy current measurement to the target microcontroller and the LED / Button. To use the footprint:
 - Cut the track between the holes, and mount a pin-header

MIC5353:
 Vin: 2.6V to 6V
 Vout: 1.25V to 5.1V
 Max. Load Current: 500mA
 Dropout (Typical): 50mV @ 50mA, 160mV @ 500mA
 Accuracy: 2% initial
 Thermal shutdown and current limit
 Maximum output voltage is limited by the input voltage and the dropout voltage in the regulator.
 (Vmax = Vin - dropout)



Adjustable output and limitations:
 - The DEBUGGER can adjust the output voltage of the regulator between 1.25V and 5.1V to the target.
 - The voltage output is limited by the input (USB), which can vary between 4.60V to 5.25V.
 - The voltage output is limited by the voltage level of 1.65V and will limit the minimum operating voltage allowed for the target to still allow communication.
 - The MIC94163 has a minimal voltage level of 1.70V and will limit the minimum voltage delivered to the target.
 - Firmware configuration will limit the voltage range to be within the target specification.

