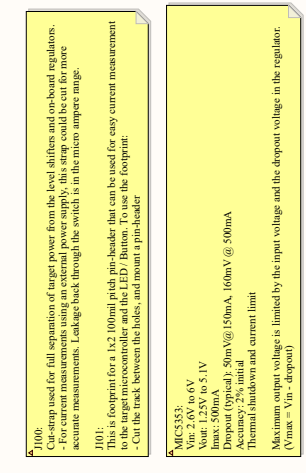


Adjustable output and limitations:

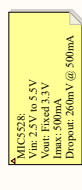
- The output voltage is adjustable between 1.25V and 5.1V to the target.
- The DEBUGGER can adjust the output voltage of the regulator between 1.25V and 5.1V to the target.
- The level shifters have a minimal voltage level of 1.65V and will limit the minimum operating voltage allowed for the communication.
- The MIC5353 has a maximum current limit of 500mA.
- Firmware configuration will limit the voltage range to be within the target specification.



Debugger Testpoint:

- AVR programming connector for factory programming of DEBUGGER.
- Recommended to be cut out for the footprint.
- This is a footprint for a 1x2 100mil pitch pin-header that can be used for easy current measurement and is recommended to be cut out for the footprint.

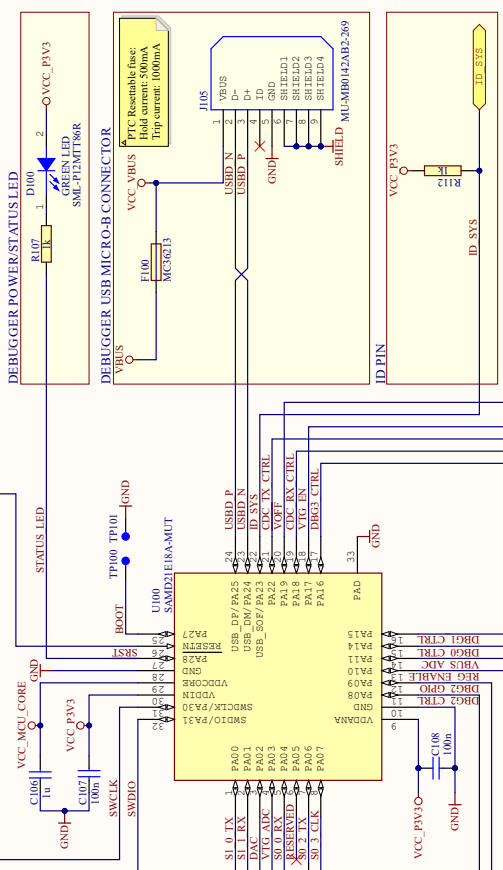
Interface Signal	ICSP TARGET	UPDI TARGET	SWD TARGET
CDC TX	UART RX	UART TX	UART RX
CDC RX	UART TX	UART TX	UART TX
DBG0	DAT	UPDI	SWDAT
DBG1	CLK	GPIO	SWCLK
DBG2	GPIO	RESET	SWOGPIO
DBG3	MCLR	RESET	RESET
VCC			



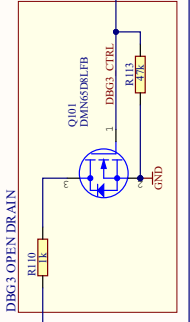
Debugger Regulator:

- MIC5205 5V LDO
- Vout: Fixed 3.3V
- Imax: 500mA
- Dropout: 20mV @ 500mA

DEBUGGER



R113: Pull down to prevent DBG3_CTRL from being powered when debugger is not powered.



Drawn By: MI
 Checked By: PB
 Project Title: PIC18F16Q40 Curiosity Nano
 Sheet Title: Debugger
 Size: A3
 PCB Assembly Number: A08-3373
 PCB Number: A08-3084
 PCB Revision: 2
 PCB Rev: 2
 File Path: \\p001\cnc\proj\Nano Debugger.SchDoc
 Page: 3 of 4

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