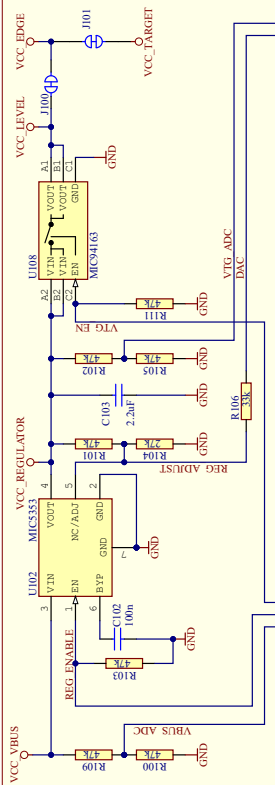
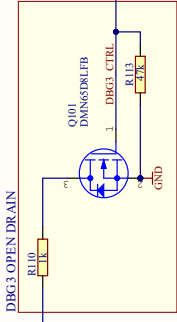
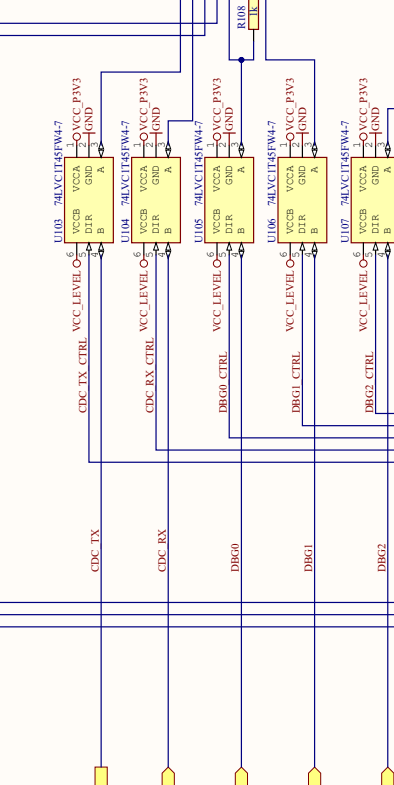


TARGET ADJUSTABLE REGULATOR



Adjustable output used 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 4.40V to 5.25V.  
 - The level shifters have a minimal voltage level of 1.65V and will limit the minimum opening voltage allowed for the target.  
 - The MIC3533 has a maximum current limit of 100mA and will limit the maximum voltage delivered to the target.  
 - Firmware configuration will limit the voltage range to be within the target specifications.

DEBUGGER

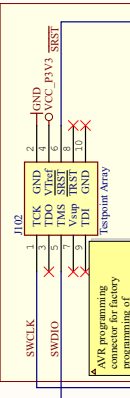


R113: Pull down to prevent DBG3\_CTRL from being powered when debugger is not powered.

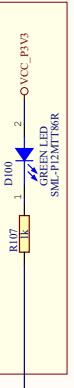
Interface Signal	ICSP TARGET	UPDI TARGET	SWD TARGET
CDC TX	UART RX	UART TX	UART RX
CDC RX	UART TX	UART TX	UART TX
DBG0	DAT	UPDI	SWDAT
DBG1	CLK	GPIO	SWCLK
DBG2	GPIO	SWOGPIO	SWOGPIO
DBG3	MCLR	RESET	RESET
VCC			

MIC3533: Vin = 5.25V to 5.5V Vout: Fixed 1.3V Imax: 500mA Dropout: 20mV @ 500mA

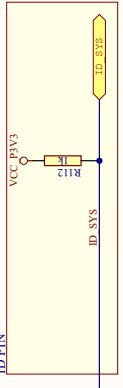
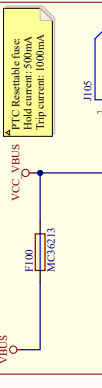
DEBUGGER TESTPOINT



DEBUGGER POWER/STATUS LED



DEBUGGER USB MICRO-B CONNECTOR



Drawn By: MI  
 Engineer: PB

Project Title: PIC18F16Q41 Curiosity Nano  
 Sheet Title: Debugger  
 Size: A3  
 PCB Assembly Number: A09-3378  
 PCB Number: A09-3086  
 PCB Revision: 2  
 Date: 4/6/2019

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