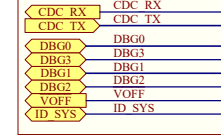


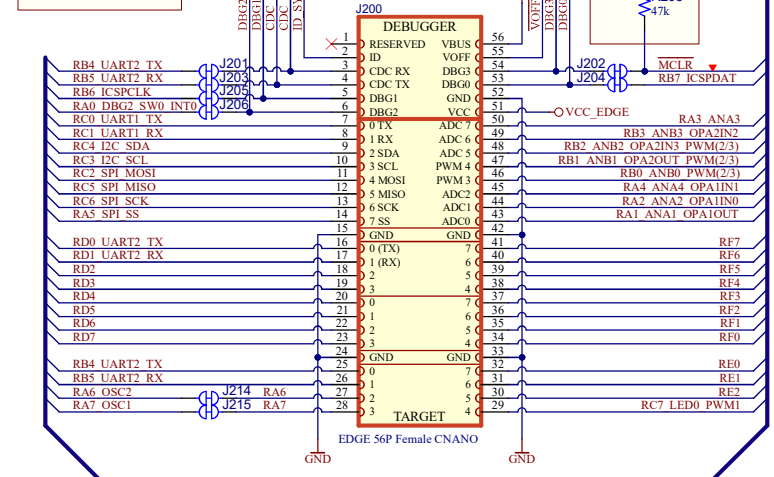
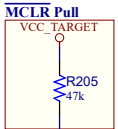
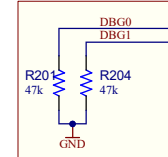
# PIC18F56Q71

| PIC18F56Q71 |             |      |
|-------------|-------------|------|
| Debugger    | Name        | Pin  |
| CDC TX      | UART2 RX    | RB5  |
| CDC RX      | UART2 TX    | RB4  |
| DBG0        | ICSPDAT     | RB7  |
| DBG1        | ICSPCLK     | RB6  |
| DBG2        | SW0         | RA0  |
| DBG3        | MCLR        | MCLR |
| VTG         | 1.8V - 5.5V |      |

## DEBUGGER CONNECTIONS



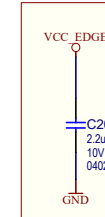
## PROG/DEBUG Pull



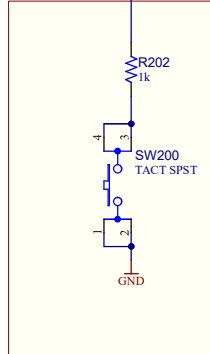
**NOTE on I2C:**  
No pull-ups on board. Pull-ups should be mounted close to client device(s).

**NOTE on UART/CDC:**  
RX/TX on the header denotes the input/output direction of the signal respective to it's source.  
CDC TX is output from the DEBUGGER.  
CDC RX is input to the DEBUGGER.  
UART TX is output from the TARGET device.  
UART RX is input to the TARGET device.

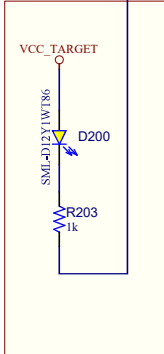
## TARGET BULK



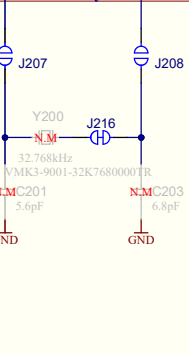
## USER BUTTON



## USER LED



## 32KHz Crystal



|                                                    |                                                    |                                                                                                                                                                                     |  |
|----------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Owner:<br><b>P Bredveld</b>                |                                                    |  <b>MICROCHIP</b>                                                                              |  |
| PCB Layout Contact:<br><b>V Leksas</b>             |                                                    |                                                                                                                                                                                     |  |
| PartNumber:<br><b>EV01G21A</b>                     | Project Title<br><b>PIC18F56Q71 Curiosity Nano</b> | Variant: Default Assembly                                                                                                                                                           |  |
| Sheet Title<br><b>Target MCU</b>                   |                                                    | <div>Designed with<br/><b>Altium</b><br/><a href="https://www.altium.com">Altium.com</a></div> |  |
| Size<br><b>A3</b>                                  | SCH #: 02-00412<br>PCB #: 04-11519                 |                                                                                                                                                                                     |  |
| File: PIC18F56Q71_Curiosity_Nano_Target_MCU_SchDoc |                                                    |                                                                                                                                                                                     |  |