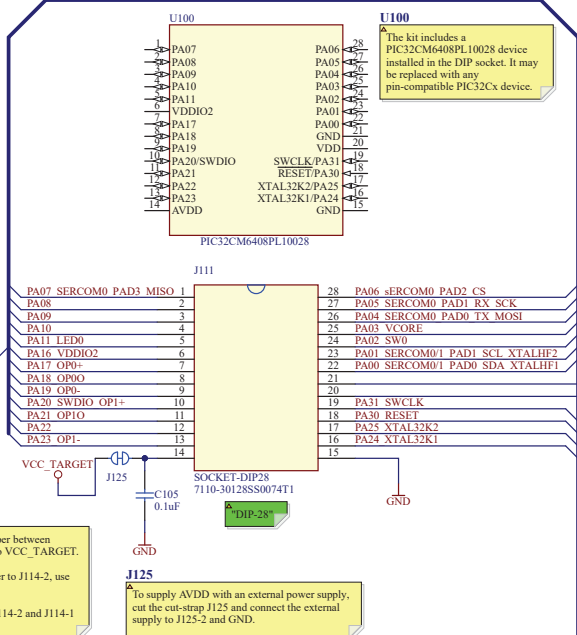
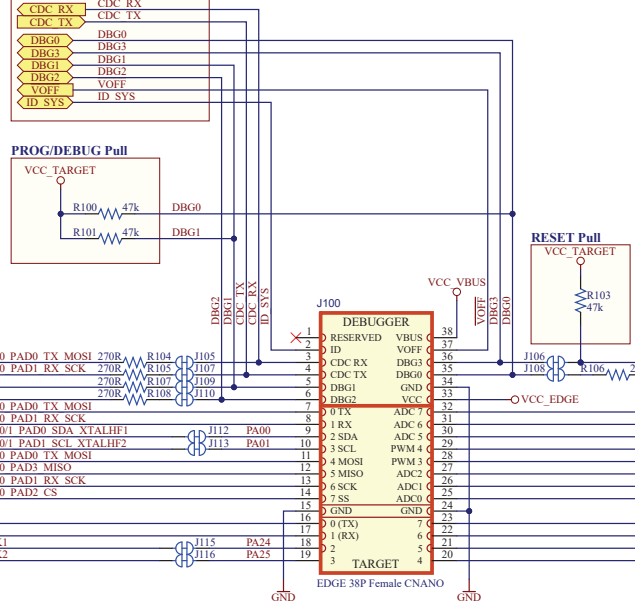


PIC32CM Px DIP-28

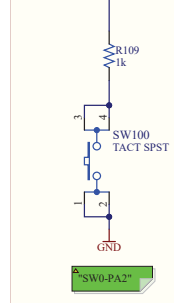


PIC32CM Px DIP-28		
Debugger	Name	Pin
CDC TX	SERCOM0 RX	PA05
CDC RX	SERCOM0 TX	PA04
DBG0	SWDIO	PA20
DBG1	SWCLK	PA31
DBG2	GPIO	PA02
DBG3	RESET	PA30
VTG		1.62V - 5.5V

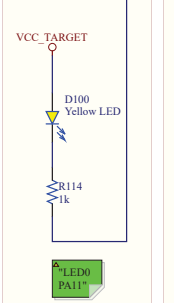
DEBUGGER CONNECTIONS



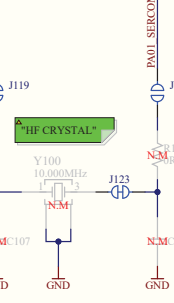
USER BUTTON



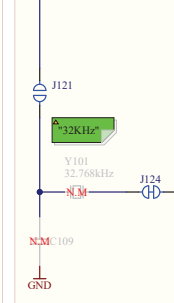
USER LED



HF Crystal



32KHz Crystal



Crystal

The components shown in the design are not populated, only their footprints are provided. Please select and mount crystal(s) and capacitors based on your application and target device requirements.

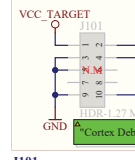
Actual crystal load must be validated using the hardware.

Hint: Microchip VMK3 (32K) and VXM7 (HF) crystals are suitable for these footprints

TARGET BULK



Cortex Debug Header



J101
Cortex debug-compatible connector 50-mil-footprint for connection to external debuggers.

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. TX is output from the TARGET device. RX is input to the TARGET device.

NOTE on I2C:

No pull-ups on board. Pull-ups must be mounted close to client device(s).

Project Owner: SLT
PCB Layout Contact: SHG, TL

PartNumber: EV52Z72A
Project Title: PIC32CM Px DIP-28 Curiosity Nano
Variant: Default Assembly

Sheet Title: Target MCU
Size: A3
SCH #: 02-01596
Rev: 2
Date: 05.08.2026
PCB #: 04-12634
Rev: 1
Sheet 2 of 4

File: PIC32CM Px DIP-28 Curiosity Nano Target MCU.SchDoc

MICROCHIP

Designed with **Altium**