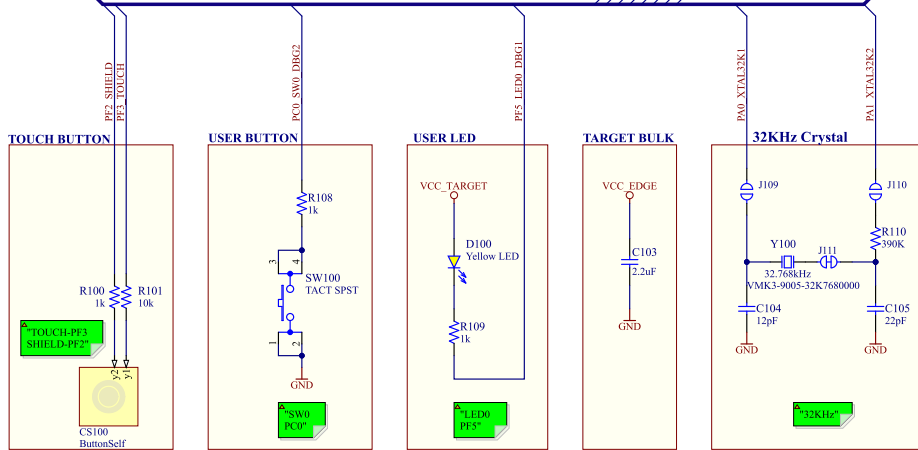
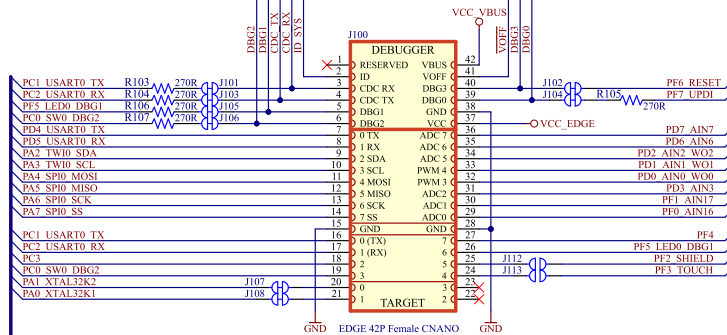
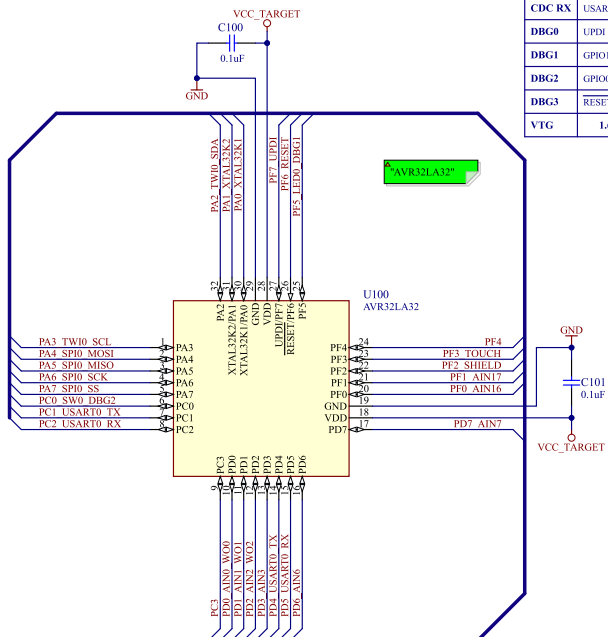


AVR32LA32

AVR32LA32		
Debugger	Name	Pin
CDC TX	USART0 RX	PC2
CDC RX	USART0 TX	PC1
DBG0	UPDI	PF7
DBG1	GPIO1	PF5
DBG2	GPIO0	PC0
DBG3	RESET	PF6
VTG 1.62V - 5.5V		

DEBUGGER CONNECTIONS

CDC RX	CDC RX
CDC TX	CDC TX
DBG0	DBG0
DBG3	DBG3
DBG1	DBG1
DBG2	DBG2
VOFF	VOFF
ID SYS	ID SYS



Crystal datasheet:
Crystal = 12.5pF
max ESR = 700ohm
Accuracy ±20ppm

Estimated C_{pcb} = 0.5pF

This circuit has been tested with the External 32.768 kHz Crystal Oscillator configured in high power mode.

XOSC32KCTRLA.PMODE = 0x2

NOTE on Crystal:
The crystal is populated but not connected to the device.

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: TL

PCB Layout Contact: TL

PartNumber: EV24D63A

Project Title: AVR32LA32 Curiosity Nano

Sheet Title: Variant: Default Assembly

Target MCU

Size: A3

SCH #: 02-01431

Rev: 4

Date: 21.04.2026

PCB #: 04-12488

Rev: 2

Sheet: 2 of 4

Designed with Altium.com

File: AVR32LA32_Curiosity_Nano_Target_MCU_SchDoc