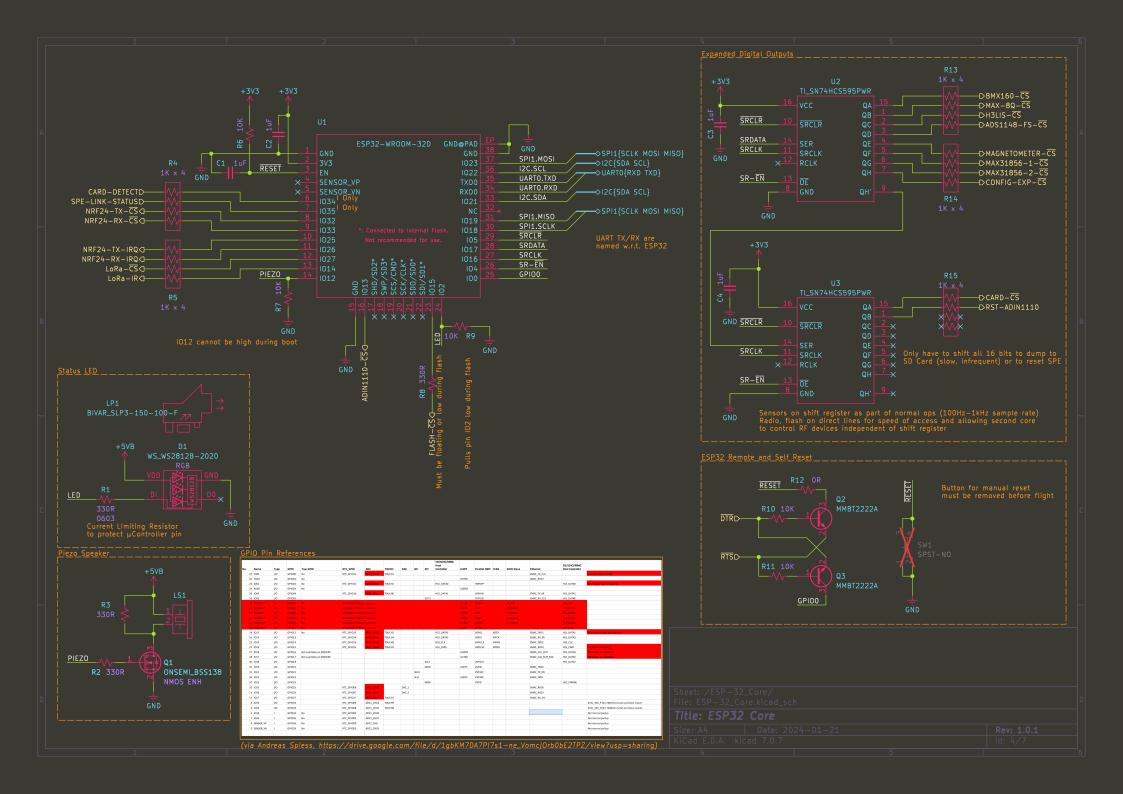
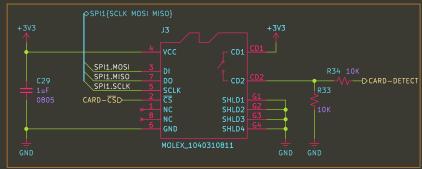


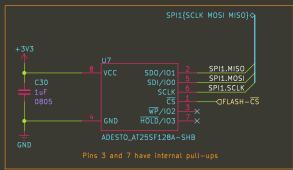
Impedance Requirements (USB 2.0 Speeds): - USB_P/N must be 90R Differential $\pm 15\%$ - Diff Pair Mismatch <.6in UARTO.RXD UARTO.TXD 3V3_FTDI –⊳DTR –⊳RTS USB_P ESD_D+ A A D+ USB_N ESD_D+ USB_P 1 USB_N 3 4 ESD_D-ESD_D- 17 22R D-6 USB_P 18 FTDI-LED 37 USB_N CC pins not needed (Legacy mode only):

- No SuperSpeed Functionality
- No Power Negotiation
- Legacy Mode (A->C) for programming
USB-Only Power

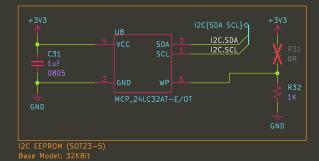


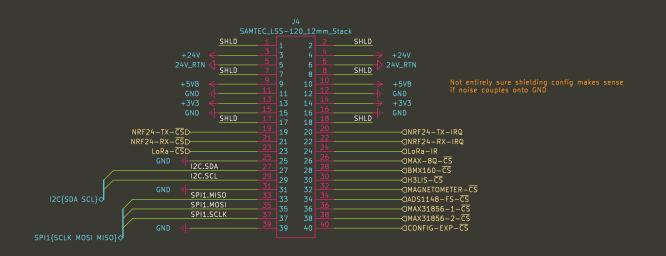


MicroSD Card w/Card Detect



Replaceable 8-SOP SPI Flash Base Model: 128MBit





Sheet: /Stacking_Connector/
File: Stacking_Connector.

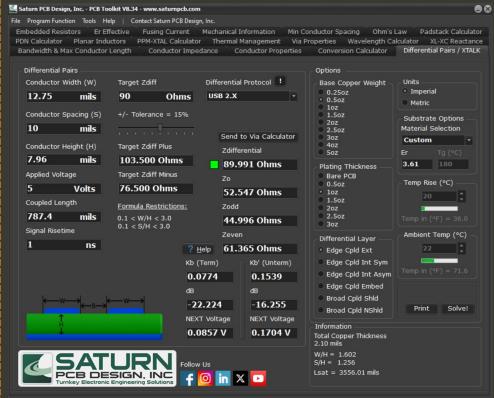
Title: Stacking Connector

Size: A4 Date: 2024-01-21 Rev: 1.0.1

KiCad E.D.A. kicad 7.0.7 Id: 6/7

2





Impedance Requirements (SPE):

— 100R characteristic impedance, selecting 10% tolerance

— Maintaining through run between lumped hybrid network,
through CMC, and to pins

— Not controlling impedance on PoE injection traces

Impedance Requirements (USB 2.0 Speeds): - USB_P/N must be 90R Differential $\pm 15\%$ - Diff Pair Mismatch <.6in

6:24:43 PM 12/9/2023