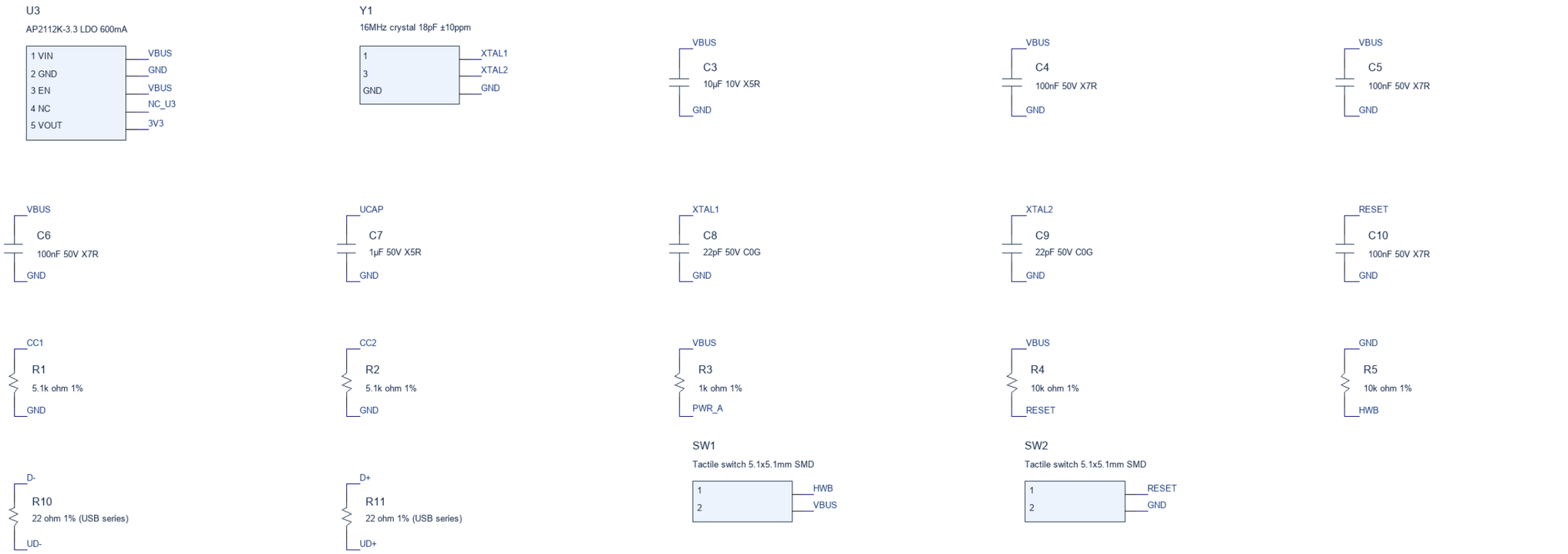
ET-M18

Support circuits and level shifting

Main Circuit And Support



Level Shifting And Pull-Ups



DESIGN NOTES

Matching net labels connect across both sheets.

Source uses logical pin names; package mapping requires review.

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ATmega32U4 USB-C / Pro Micro			DESIGN REVIEW
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ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-M18-SCH-001		A3 / LANDSCAPE	1 of 2

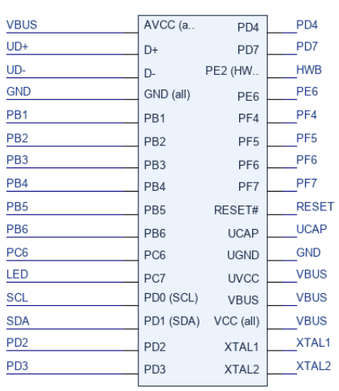
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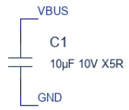
Microcontroller and connectors

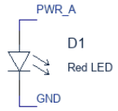
Power And Indicators

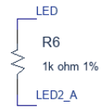
U1

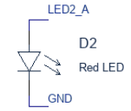
ATmega32U4-AU AVR 16MHz, native USB, DFU bootloader from factory









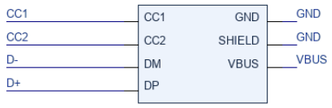




Connectors

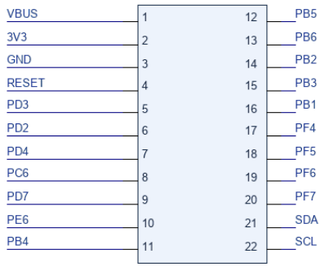
J1

USB-C 16P receptacle (USB 2.0)



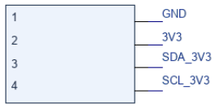
J3 DNP

2.54mm male pin header (ship loose)



J4

JST SH 4P R/A (Qwiic/STEMMA QT)



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