ELECTROTRICAL

HARDWARE ENGINEERING / SCHEMATIC

ET-C23

Main Circuit And Support / Power And Indicators

Main Circuit And Support

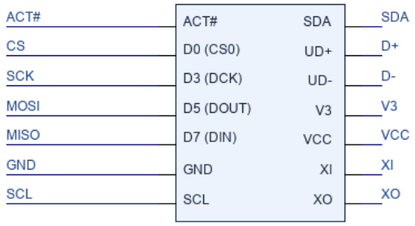
JP2

Solder jumper



U1

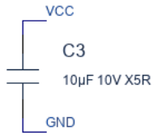
CH341A USB to SPI / I2C / UART / parallel bridge



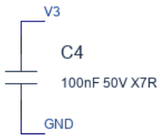
Y1

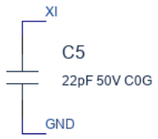
12MHz crystal 20pF ±10ppm

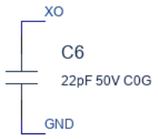


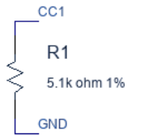


Main Circuit And Support



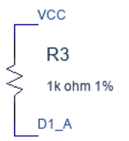


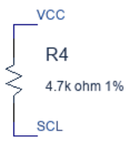


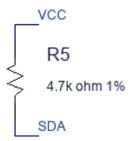


Main Circuit And Support





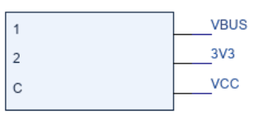




Power And Indicators

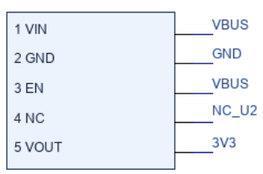
JP1

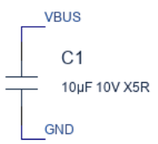
Solder jumper

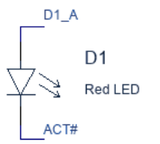


U2

AP2112K-3.3 LDO 600mA







DESIGN NOTES

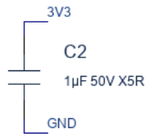
Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

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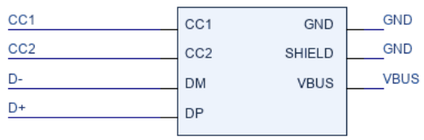
PROJECT / DOCUMENT			STATUS
Ch341A Usbc Flash Eeprom Programmer			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-C23-SCH-001		A3 / LANDSCAPE	1 of 2

Power And Indicators

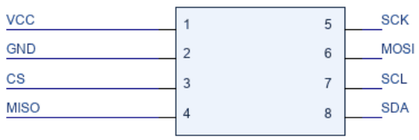


Connectors

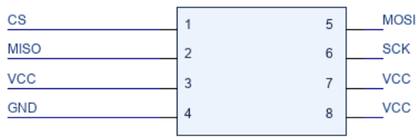
J1
USB-C 16P receptacle (USB 2.0)



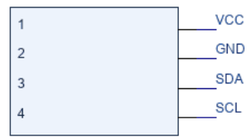
J3 DNP
2.54mm male pin header (ship loose)



J4 DNP
2.54mm male pin header (ship loose)



J5 DNP
2.54mm male pin header (ship loose)



DESIGN NOTES

Matching net labels identify connected signals.

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Ch341A Usbc Flash Eeprom Programmer			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-C23-SCH-002		A3 / LANDSCAPE	2 of 2