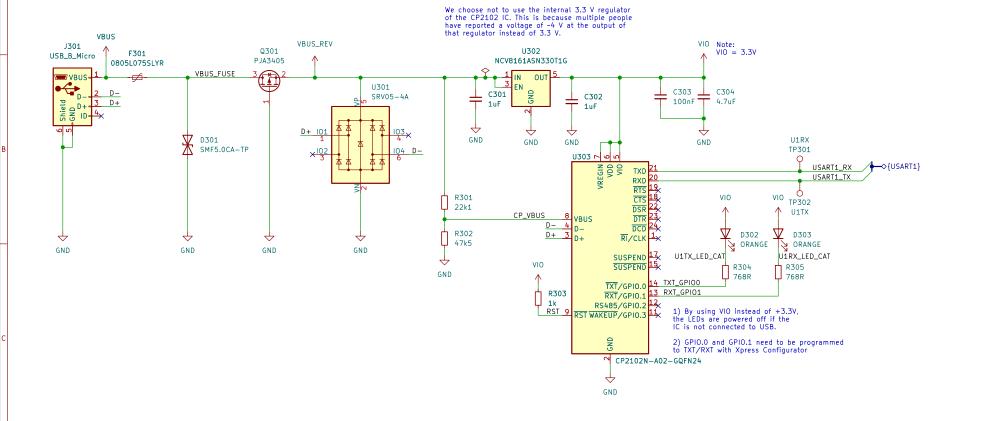


Author: Vincent Nguyen					
EPFL Xplore					
Sheet: /MCU/					
File: MCU.kicad_sch					
Title: MCU					
Size: A3 Date:	Rev:				
KiCad E.D.A. kicad (6.0.8)	ld: 2/11				

USB to UART bridge



Author: Vincent Nguyen

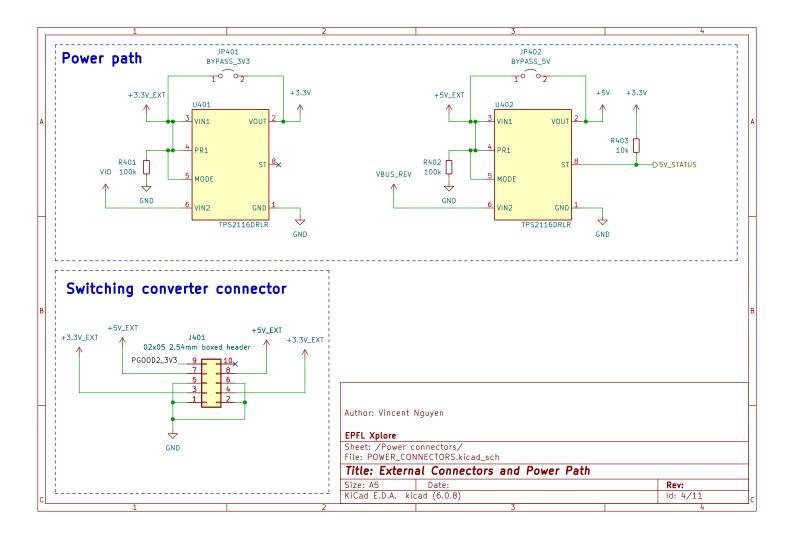
EPFL Xplore

Sheet: /USB to UART Bridge/
File: USB_UART.kicad_sch

Title: USB to UART Bridge

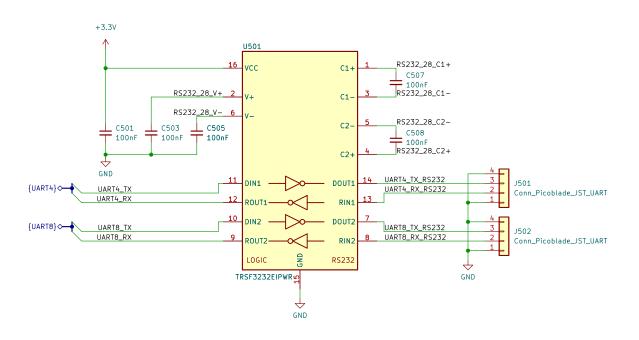
Size: A4 Date: Rev:

KiCad E.D.A. kicad (6.0.8) Id: 3/11



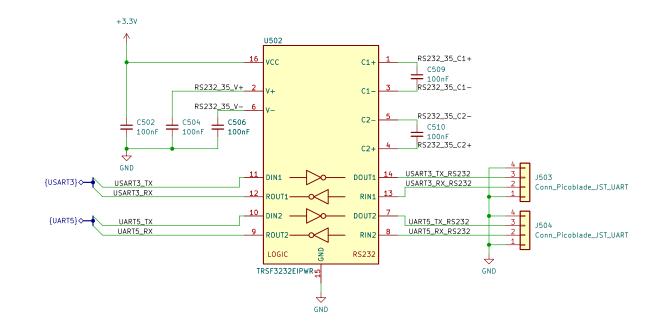
RS232 Transceivers

USART2, USART8



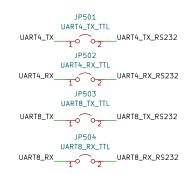
UART3, UART5

Maximum speed is 250 kb/s if using RS232 transceiver

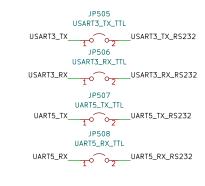


Jumpers

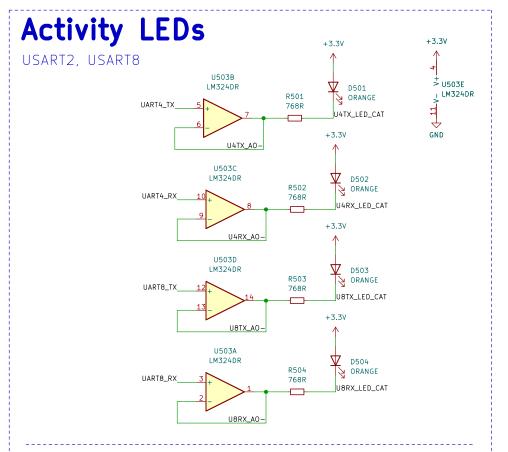
UART4, USART8

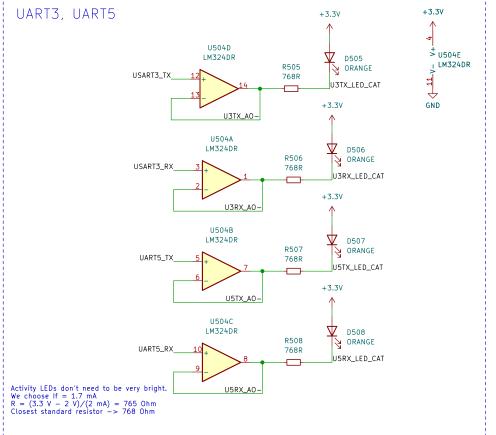


USART3, UART5



To use TTL voltage levels, short ALL of the jumpers for both nodes, for the corresponding UART buses.





Author: Vincent Nguyen

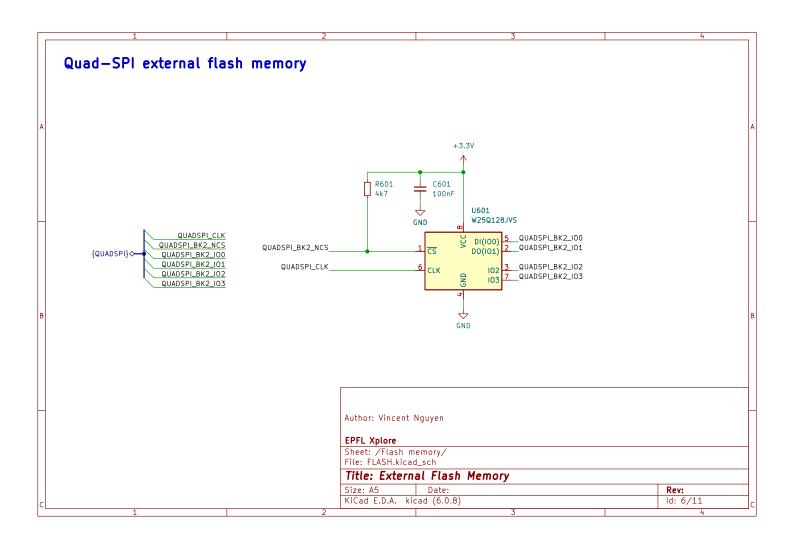
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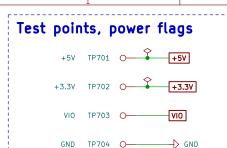
Sheet: /Node to node connectors/
File: NODE_CONNECTORS.kicad_sch

Title: RS232 UART Node to Node Connectors

Size: A3 Date: Rev:

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+5V_EXT TP706 - +5V_EXT

Mounting holes

- H701 MountingHole
- MountingHole

+3.3V_EXT

- MountingHole
- MountingHole
- H703 MountingHole
- MountingHole
- MountingHole
- MountingHole

Logos



EPFL

maxon





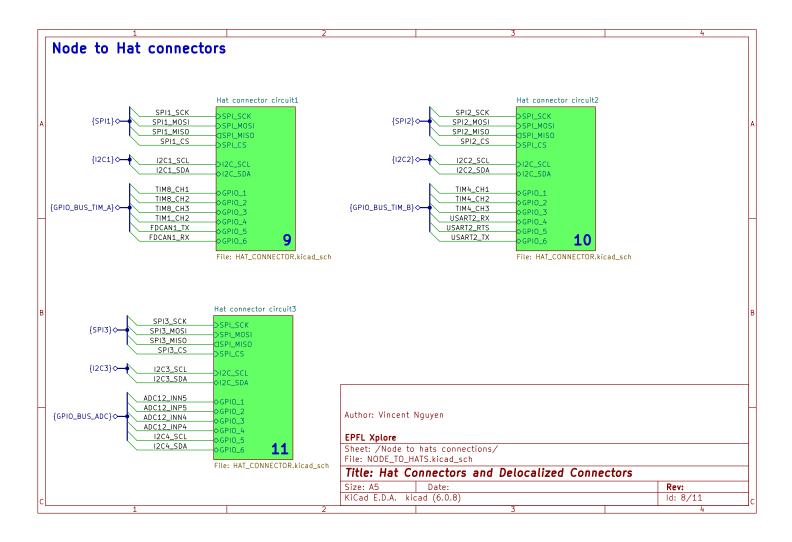
Author: Vincent Nguyen

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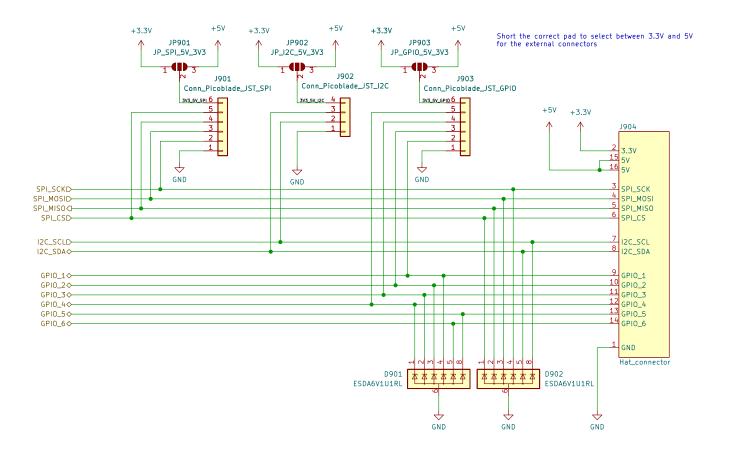
Sheet: /Mechanical elements, testpoints, logos/ File: MECHANICAL_TP_LOGO.kicad_sch

Title: Mechanical Elements and Test Points

	Size: A5	Date:		Rev:	
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_			7	- 1.	_



Hat connector



Author: Vincent Nguyen

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Sheet: /Node to hats connections/Hat connector circuit1/
File: HAT_CONNECTOR.kicad_sch

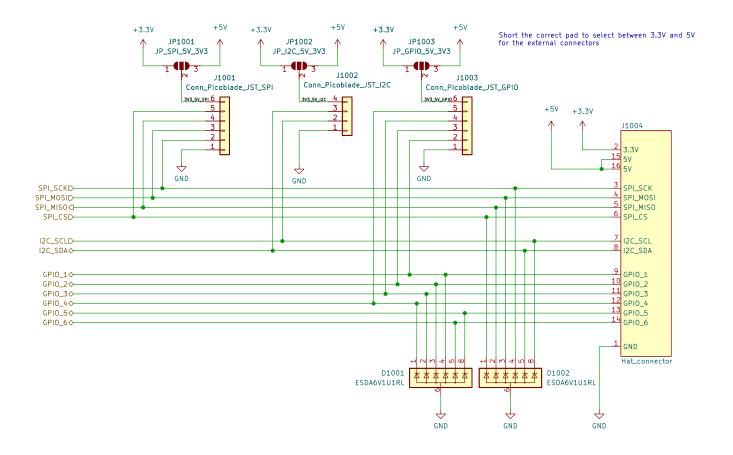
Title: Hat Connector

Size: A4 Date: Rev:

ld: 9/11

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Hat connector



Author: Vincent Nguyen

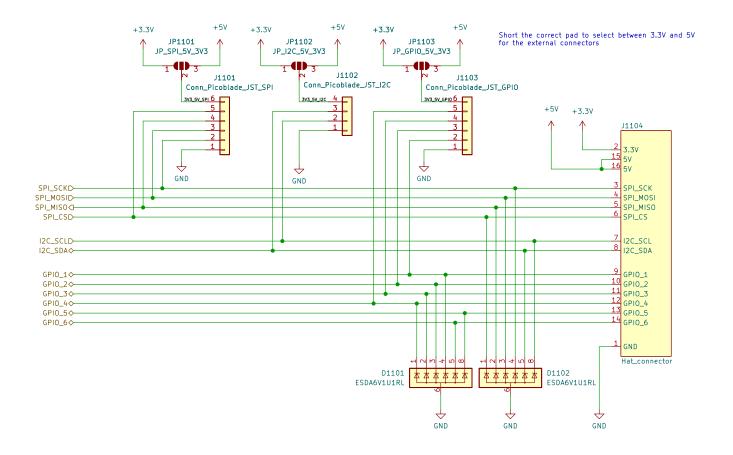
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Sheet: /Node to hats connections/Hat connector circuit2/
File: HAT_CONNECTOR.kicad_sch

Title: Hat Connector

Size: A4 Date: Rev:
KiCad E.D.A. kicad (6.0.8) Id: 10/11

Hat connector



Author: Vincent Nguyen

EPFL Xplore

Sheet: /Node to hats connections/Hat connector circuit3/
File: HAT_CONNECTOR.kicad_sch

Title: Hat Connector

Size: A4 | Date: | Rev: |
KiCad E.D.A. kicad (6.0.8) | Id: 11/11