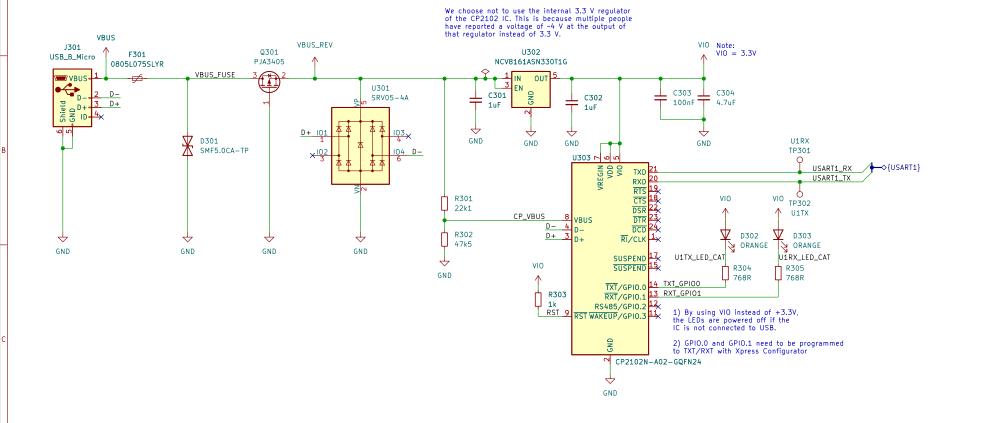


Author: Vincent Nguyen						
EPFL Xplore						
Sheet: /MCU/						
File: MCU.kicad_sch						
Title: MCU						
Size: A3 Date:	Rev:					
KiCad E.D.A. eeschema (6.0.8)	ld: 2/11					

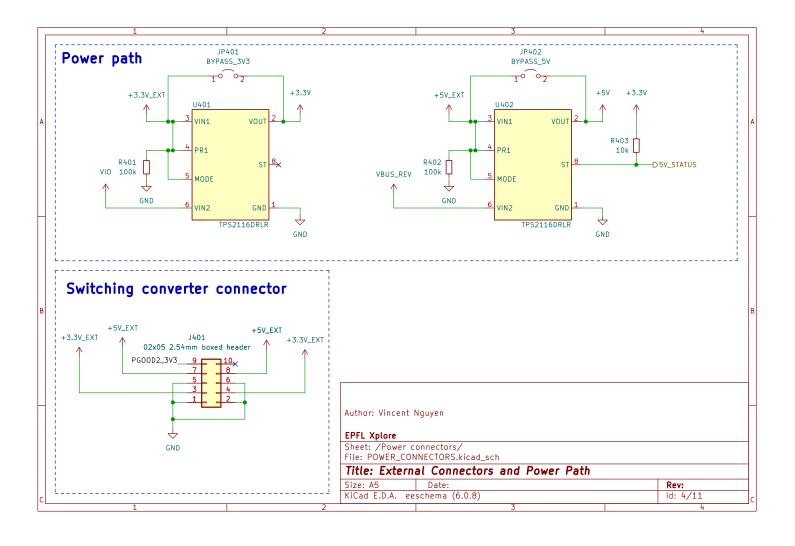
USB to UART bridge



Author: Vincent Nguyen

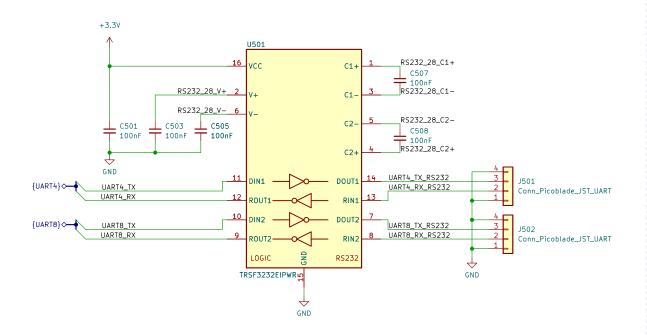
EPFL Xplore
Sheet: /USB to UART Bridge/
File: USB_UART.kicad_sch

Title: USB to UART Bridge
Size: A4 Date: Rev:
KiCad E.D.A. eeschema (6.0.8) Id: 3/11



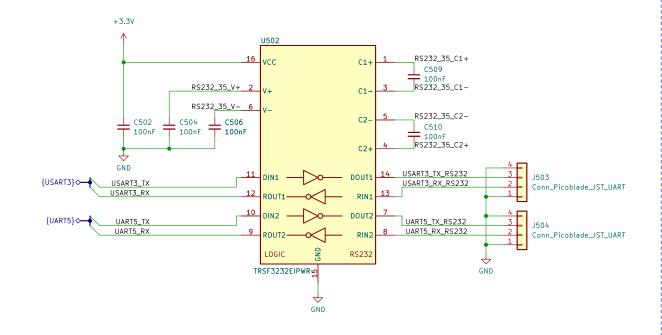
RS232 Transceivers

UART4, USART8



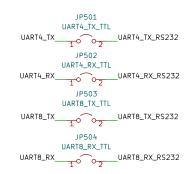
UART3, UART5

Maximum speed is 250 kb/s if using RS232 transceiver

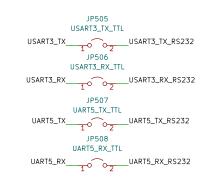


Jumpers

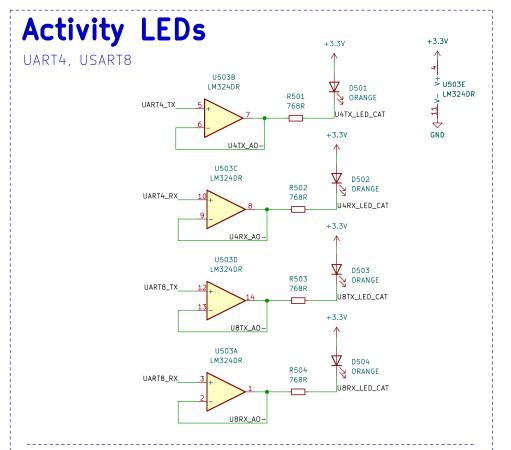
UART4, USART8

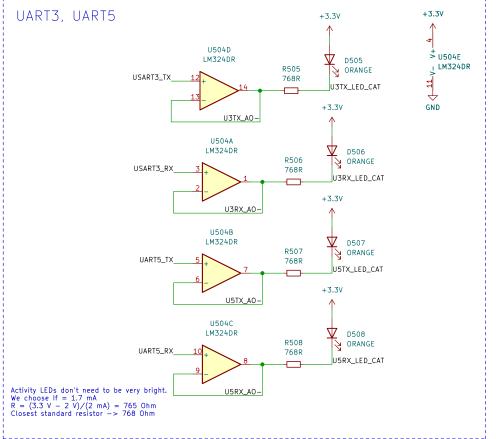


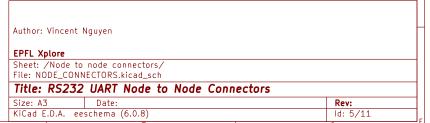
USART3, UART5

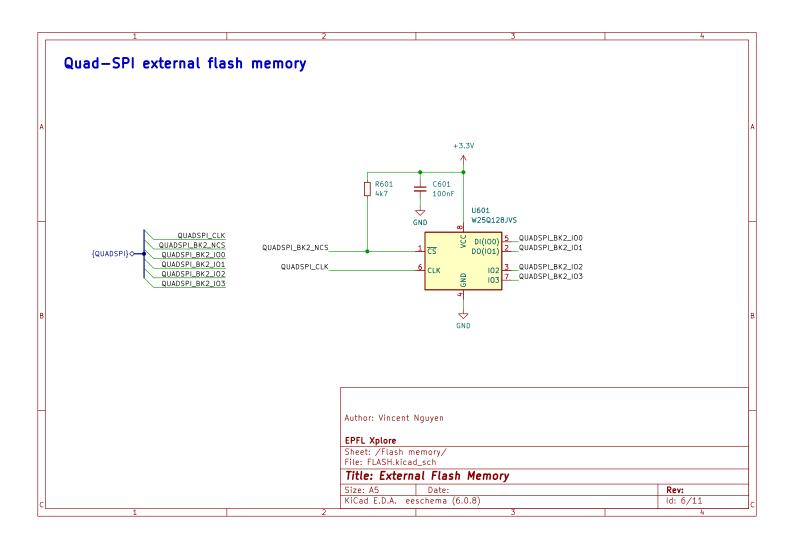


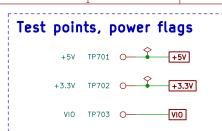
To use TTL voltage levels, short ALL of the jumpers for both nodes, for the corresponding UART buses.











GND TP704 O +3.3V_EXT

+5V_EXT TP706 O

Mounting holes

- MountingHole
- O H705 MountingHole
- MountingHole
- O H706 MountingHole
- MountingHole
- MountingHole
- MountingHole
- MountingHole

Logos



EPFL

maxon





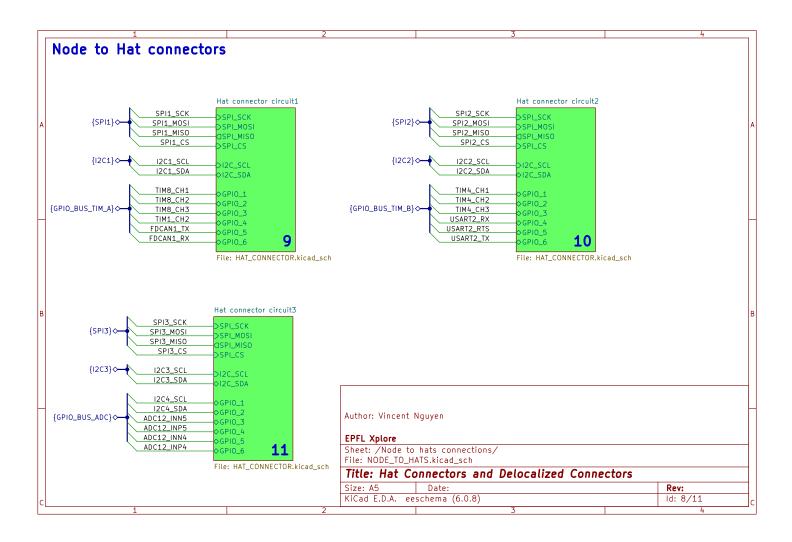
Author: Vincent Nguyen

EPFL Xplore

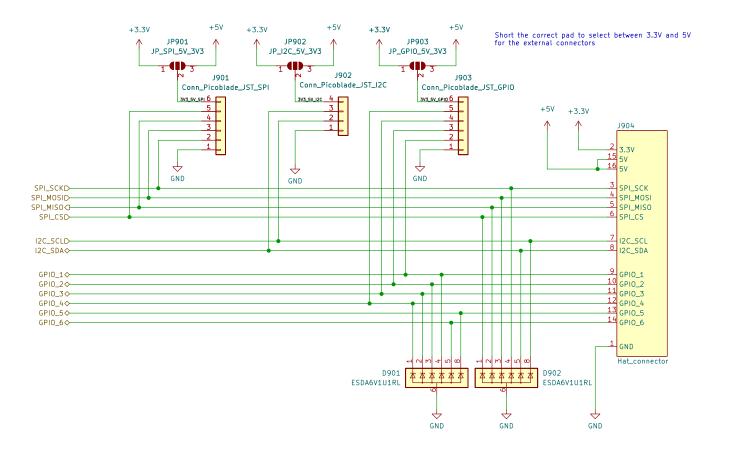
Sheet: /Mechanical elements, testpoints, logos/ File: MÉCHANICAL_TP_LOGO.kicad_sch

Title: Mechanical Elements and Test Points

	Size: A5	Date:		Rev:	
	KiCad E.D.A. ee	schema (6.0.8)		ld: 7/11	
_			7	1.	_



Hat connector



Author: Vincent Nguyen

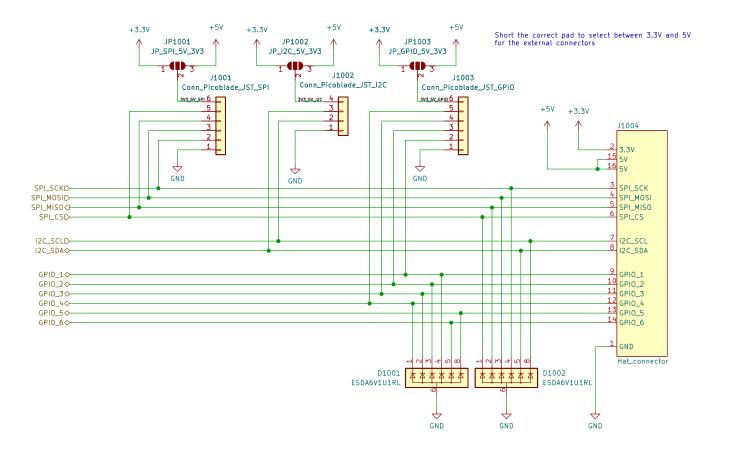
EPFL Xplore

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

Title: Hat Connector

Size: A4 Date: Rev:
KiCad E.D.A. eeschema (6.0.8) Id: 9/11

Hat connector



Author: Vincent Nguyen

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

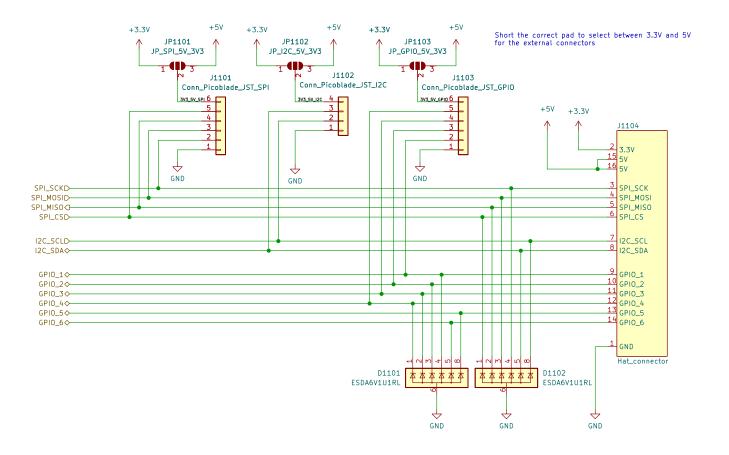
Title: Hat Connector

Size: A4 Date:

KiCad E.D.A. eeschema (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:

KiCad E.D.A. eeschema (6.0.8)

Id: 11/11