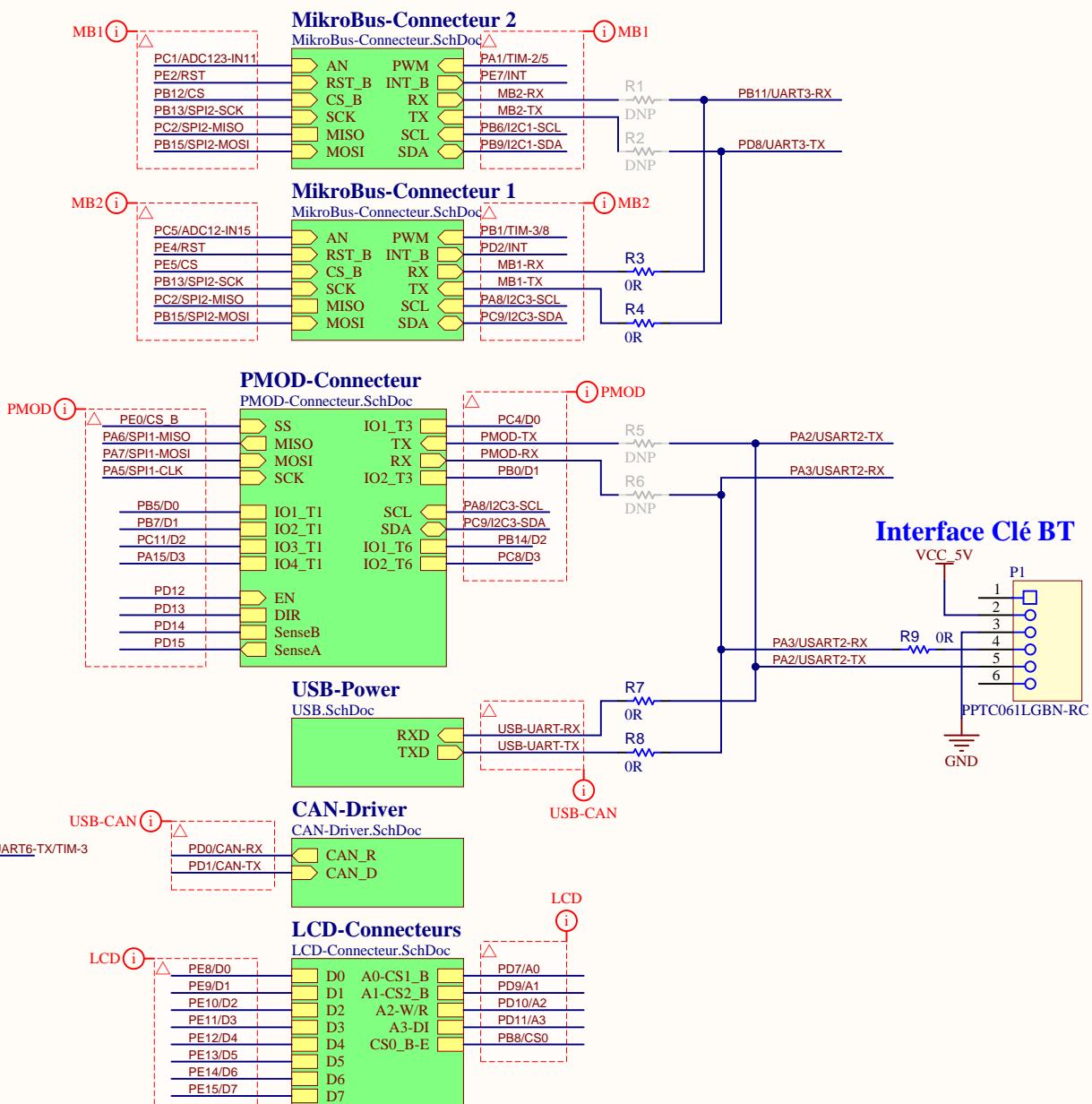
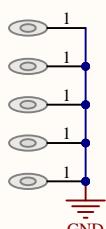
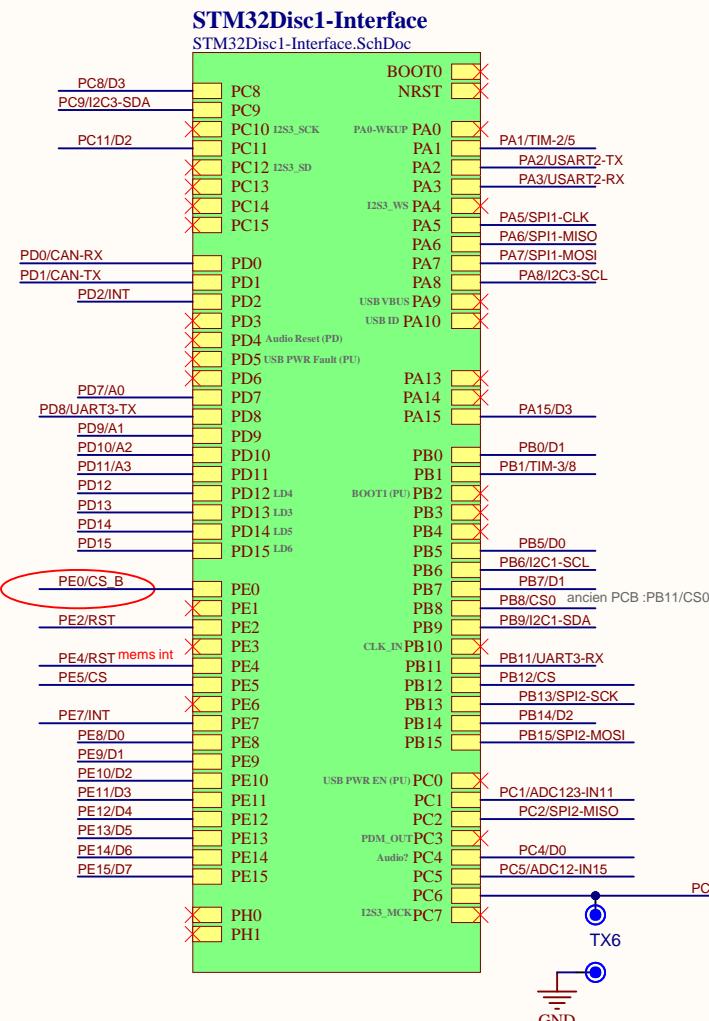
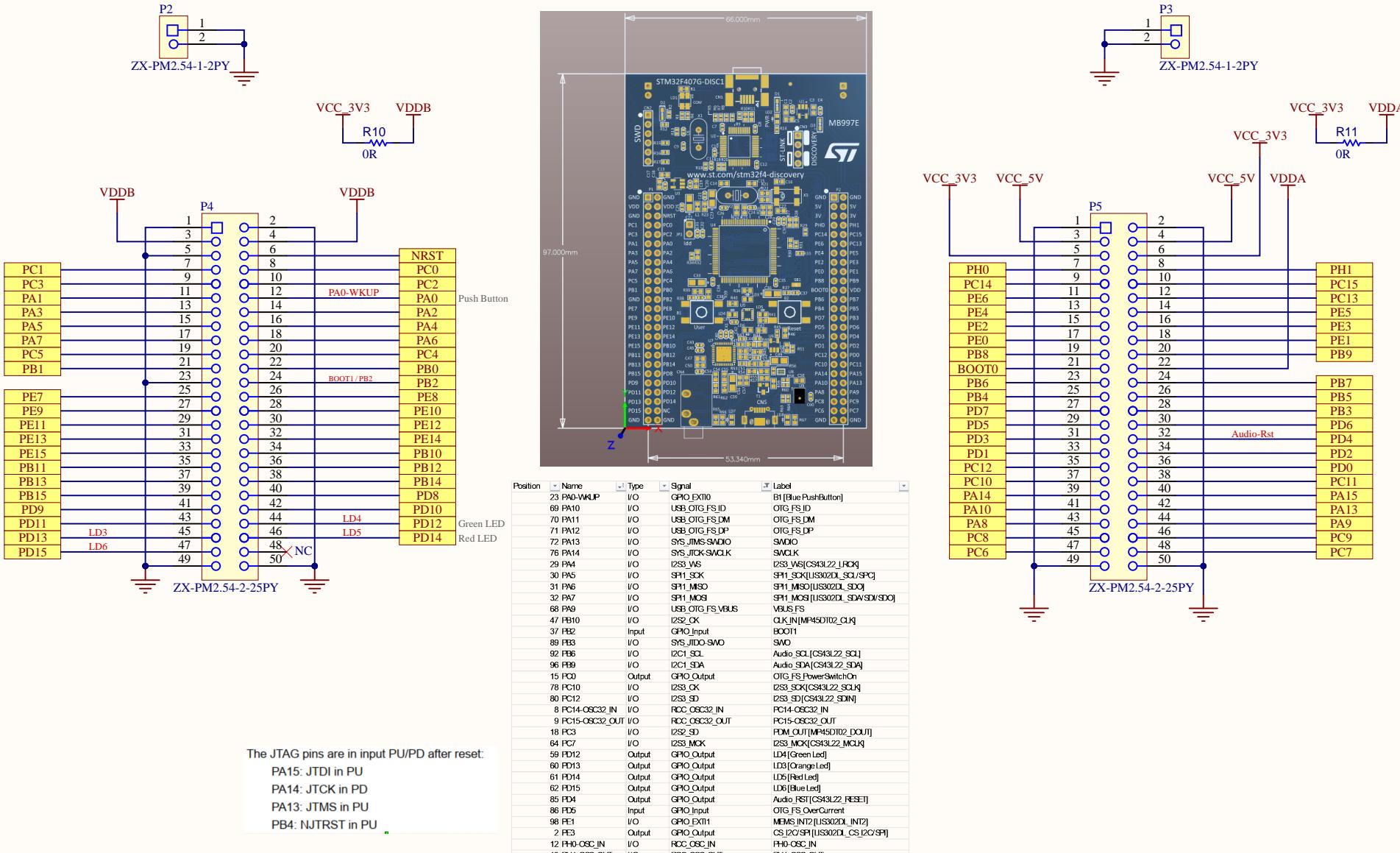


PCB Support STM32F407-Discovery



STM32 DISCOVERY 407



A

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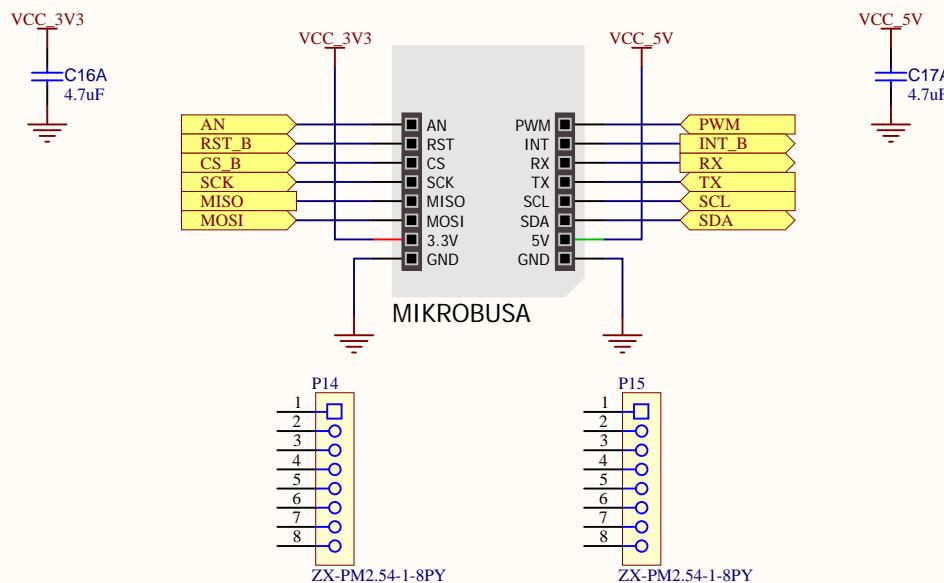
C

C

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D

Mikro Bus - Connecteur



Titre : Mikro Bus - Connecteur

Conception : [CEGEP Limoilou](#)

Approbation : [APPROUVE PAR](#)

Révision :

Rev.A

Date : 2026-01-04

Heure : 15:48:09

Feuille

3

de

7

Fichier : [MikroBus-Connecteur.SchDoc](#)

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Canada
G1J 5L5



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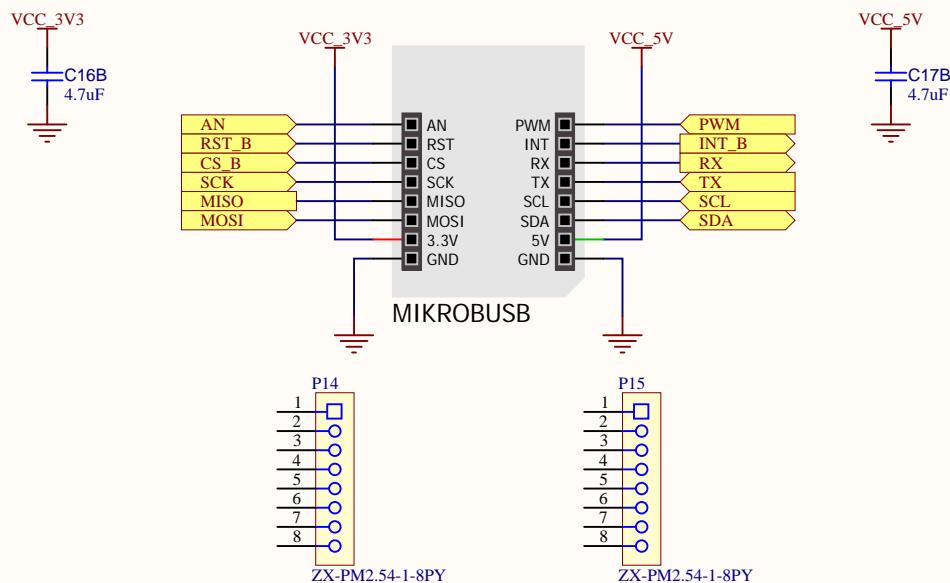
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Mikro Bus - Connecteur



Titre : Mikro Bus - Connecteur

Conception : [CEGEP Limoilou](#) | Approbation : [APPROUVE PAR](#) | Révision : Rev.A

Date : 2026-01-04 | Heure : 15:48:09 | Feuille 3 de 7

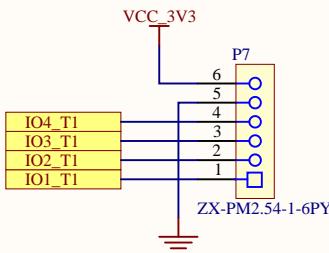
Fichier : [MikroBus-Connecteur.SchDoc](#)

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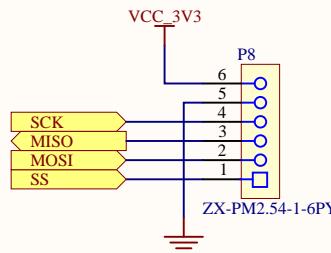


Connecteurs - PMOD Interface

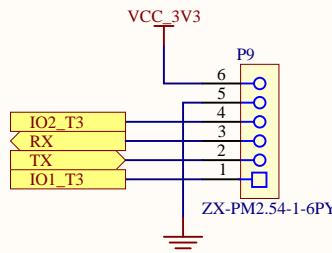
GPIO Type 1



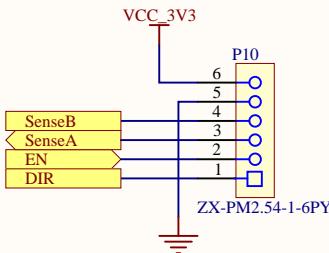
SPI Type 2



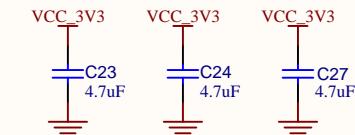
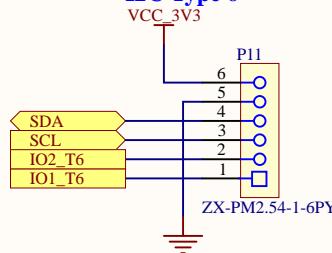
UART Type 3



H-Bridge Type 4



I2C Type 6



type	Pmod type pinouts					
	(7)	(8)	(9)	(10)	(11)	(12)
Type 1 (GPIO)	GPIO1	GPIO2/PWM	GPIO3	GPIO4	GND	Vcc
Type 1A (extended GPIO)	GPIO1	GPIO2/PWM	GPIO3	GPIO4	GND	Vcc
GPIO5	GPIO6/PWM	GPIO7	GPIO8	GND	Vcc	
Type 2 (SPI)	CS	MOSI	MISO	SCK	GND	Vcc
Type 2A (extended SPI)	CS1	MOSI	MISO	SCK	GND	Vcc
GPIO/INT	GPIO/RESET	GPIO/CS2	GPIO/CS3	GND	Vcc	
Type 3 (UART)	CTS/GPIO	TxD	RxD	RTS/GPIO	GND	Vcc
Type 3A (extended UART)	CTS/GPIO	TxD	RxD	RTS/GPIO	GND	Vcc
GPIO/INT	GPIO/RESET	GPIO	GPIO	GND	Vcc	
Type 4 (H-bridge)	DIR	EN	SenseA	SenseB	GND	Vcc
Type 5 (dual H-bridge)	DIR1	EN1	DIR2	EN2	GND	Vcc
Type 5A (extended dual H-bridge)	DIR1	EN1	Sense1A	Sense1B	GND	Vcc
DIR2	EN2	Sense2A	Sense2B	GND	Vcc	
Type 6 (I2C)	no/INT	no/RESET	SCL	SDA	GND	Vcc
Type 6A (extended I2C)	no/INT	no/RESET	SCL	SDA	GND	Vcc
GPIO	GPIO	GPIO	GPIO	GND	Vcc	
Type 7 (I2S)	LRCLK	DACdata	MCLK	BCLK	GND	Vcc
GPIO	GPIO	GPIO	GPIO	GND	Vcc	

Titre : Connecteurs - PMOD Interface

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Fichier : **PMOD-Connecteur.SchDoc**

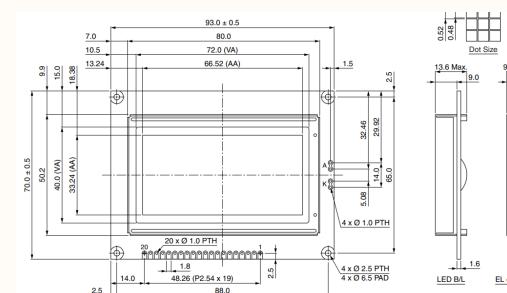
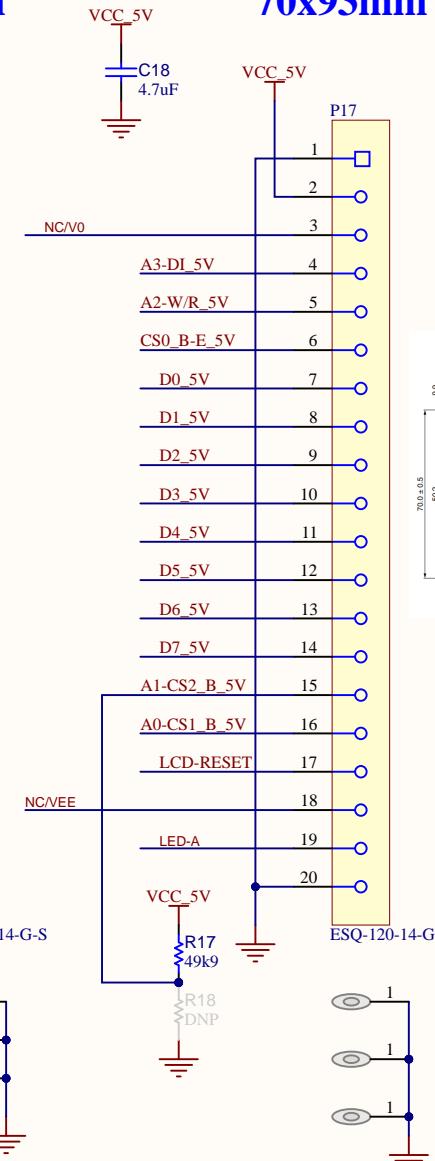
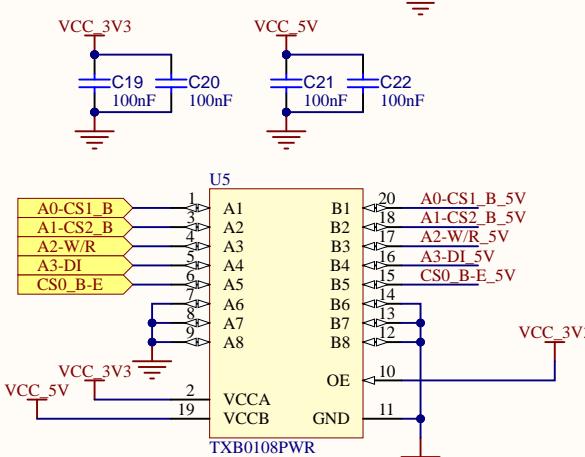
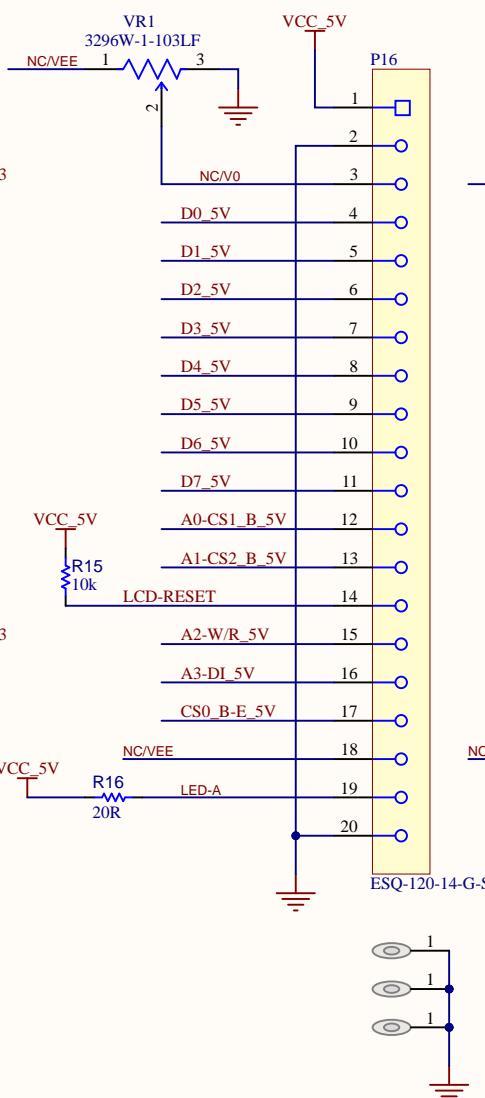
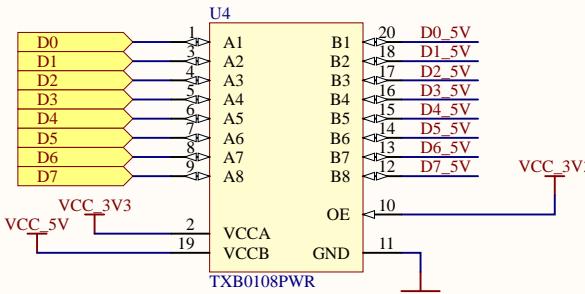
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1300, 8e Avenue
Québec, QC
Canada
G1J 5L5

Cégep Limoilou

LCD - Connecteurs

Option LCD KS0108 50x75mm

Option LCD 12864 70x93mm



INTERFACE PIN FUNCTION	
PIN NO.	FUNCTION
1	V _{SS}
2	V _{DD}
3	K
4	D1
5	R/W
6	K
7	D0
8	DB1
9	D2
10	D3
11	DB4
12	DB5
13	D6
14	D7
15	CS1
16	CS2
17	RST
18	V _{SS}
19	K
20	K

A

A

B

B

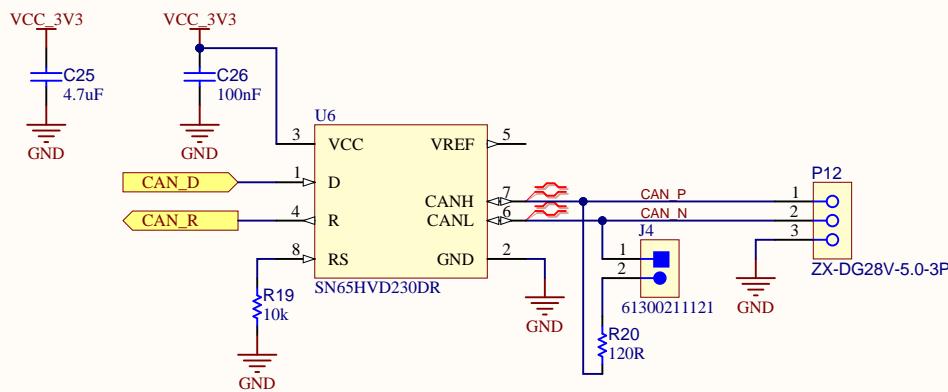
C

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Driver CAN



Titre : Driver CAN

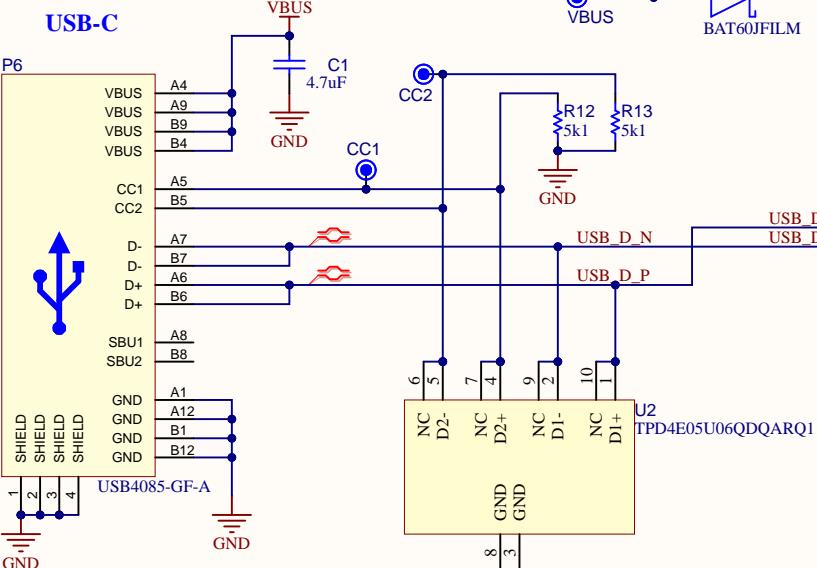
Conception : CEGEP Limoilou	Approbation : APPROUVE PAR	Révision : Rev.A
Date : 2026-01-04	Heure : 15:48:09	Feuille 6 de 7
Fichier : CAN-Driver.SchDoc		

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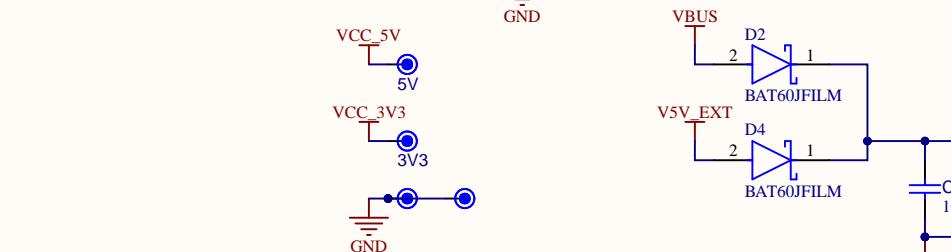
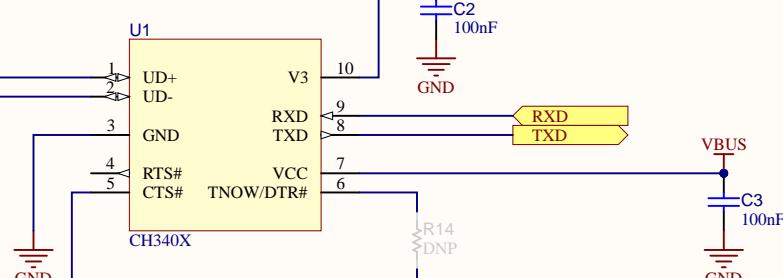


Interface USB et CAN

CC voltage (typ.)	Host advertises	Meaning
~0.2–0.4 V	Default USB current	500 mA(USB2.0) / 900 mA (USB3.x)
~0.9–1.2 V	1.5 A@5 V	High-current USB-C
~1.6–2.0 V	3.0 A@5 V	Maximum without USB-PD



USB to UART



Régulateur Linéaire 3.3V

