

# RaspberryPi Frigorus Sheild

## Frigorus System

*Frigorus*

*Revision 1.0*

*Date: 2023-02-10*

Élément mécaniques



Revision history

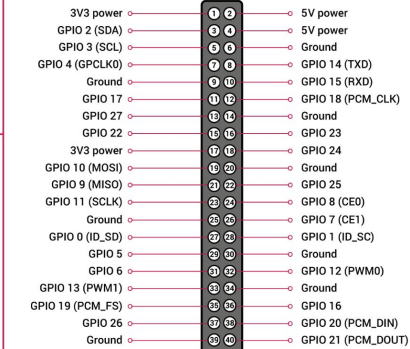
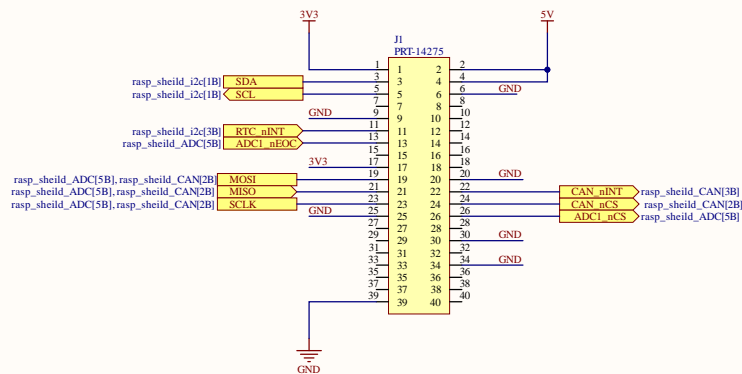


Package size conversion

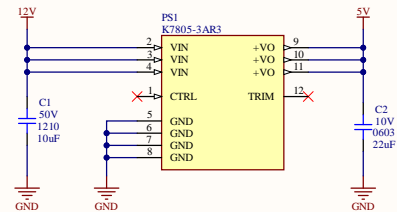
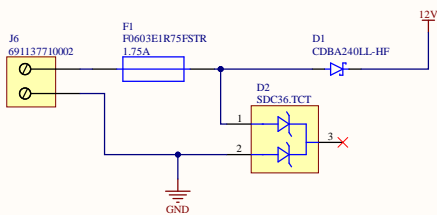
Metric	Imperial
1005	0402
1608	0603
2012	0805
3216	1206
3225	1210
6432	2512

Project Title				RaspberryPi Frigorus Sheild			
Global Project				Frigorus System			
Size		Group		Revision			
11x17		Frigorus		1.0			
Date			Sheet		of		
2023-02-10			1		5		
Filename				Designers			
rasp_sheild_title.SchDoc				Julien Roy-Sabourin			

## Connecteur RaspberryPi

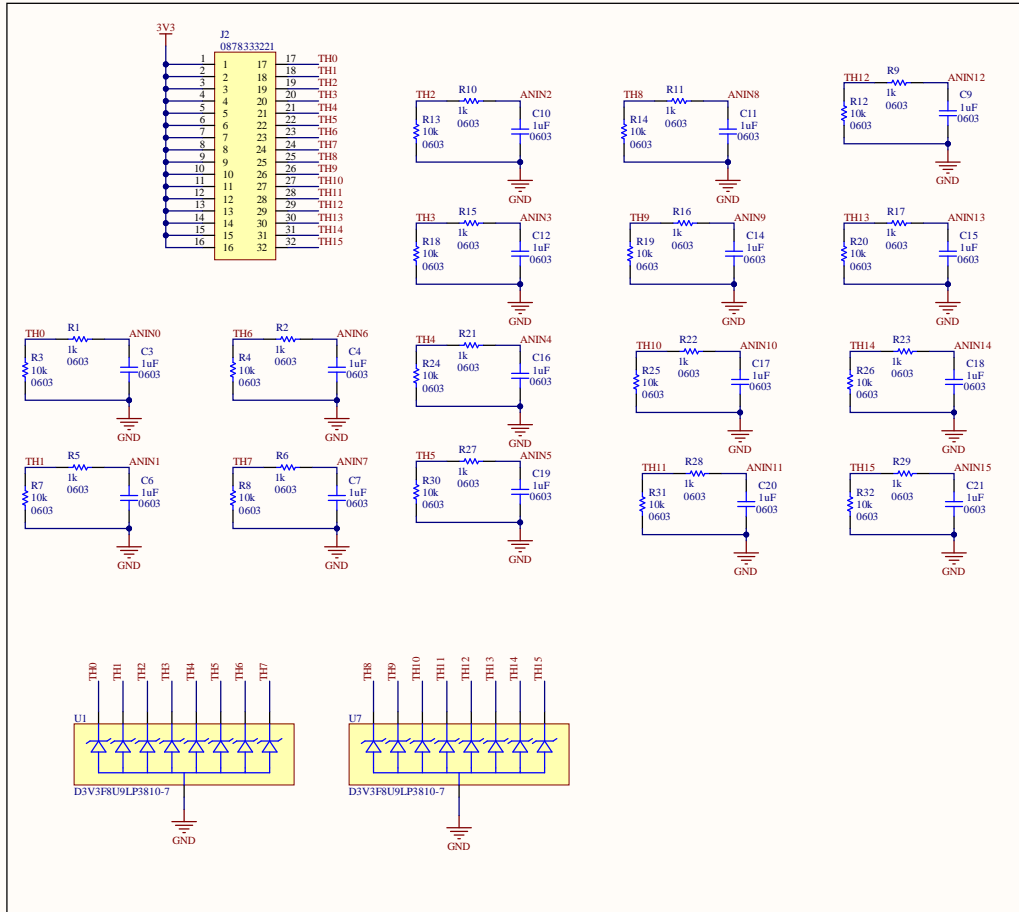


## DCDC - 12 - 5V

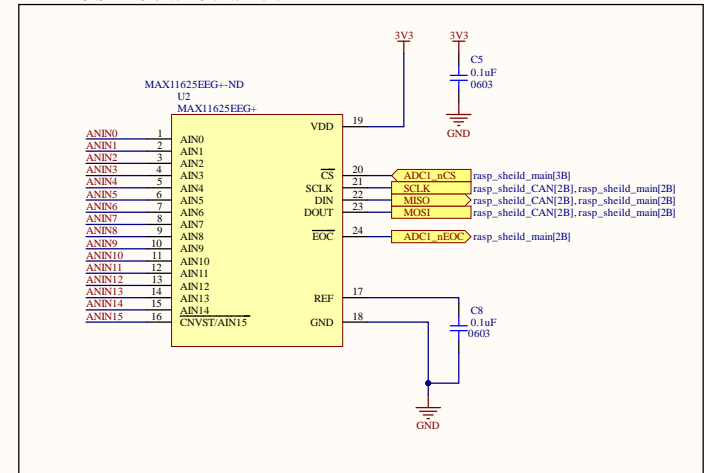


Sheet Name			
RaspberryPi Frigorus Shield			
Project Title			
RaspberryPi Frigorus Shield			
Global Project			
Frigorus System			
Size	11x17	Group	Frigorus
Date	2023-02-10	Revision	1.0
File name	rasp_sheild_main.SchDoc	Sheet	2 of 5
		Designers	Julien Roy-Sabourin

## Interface thermistances



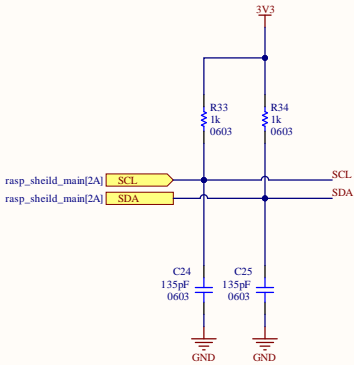
## ADC SPI 10 bits 16 channels



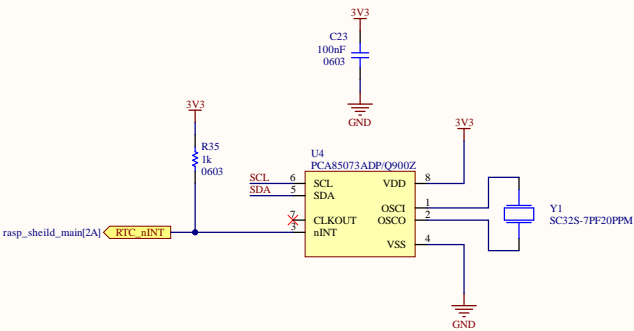
Total Power  
50mA @ 3V3

Sheet Name		
Lecture analogue thermistances		
Project Title		
RaspberryPi Frigorus Shield		
Global Project		
Frigorus System		
Size	Group	Revision
11x17	Frigorus	1.0
Date	2023-02-10	Sheet 3 of 5
Filename		Designers
rasp_shield_ADC.SchDoc		Julien Roy-Sabourin

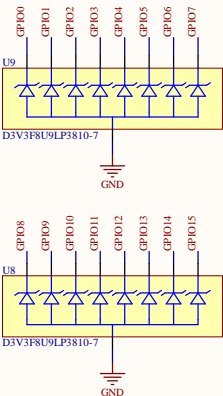
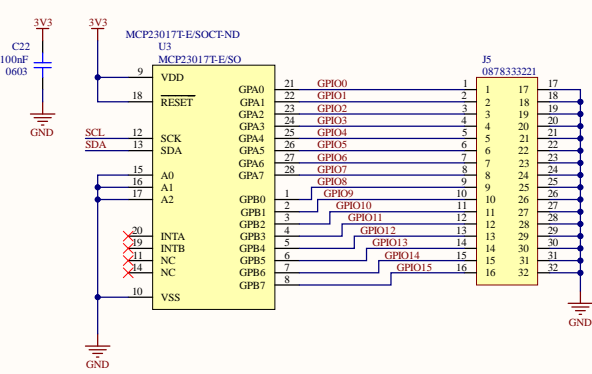
Bus SPI



Real Time Clock



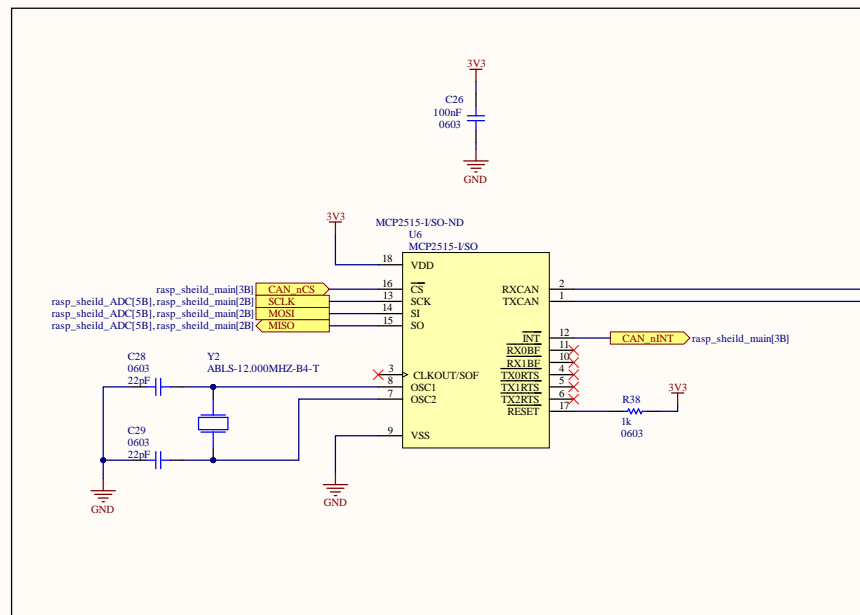
I/O Expander



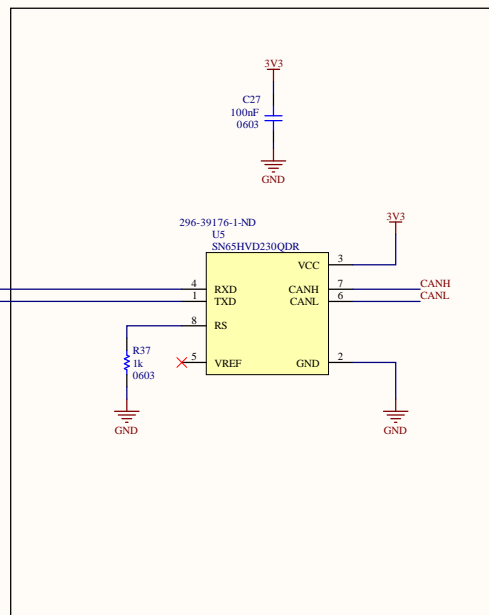
Total Power  
50mA @ 3V3

Sheet Name		Périphériques i2c	
Project Title		RaspberryPi Frigorius Sheild	
Global Project		Frigorus System	
Size	Group	Revision	
11x17	Frigorus	1.0	
Date	2023-02-10	Sheet	4 of 5
Filename		Designers	
rasp_shield_i2c.SchDoc		Julien Roy-Sabourin	

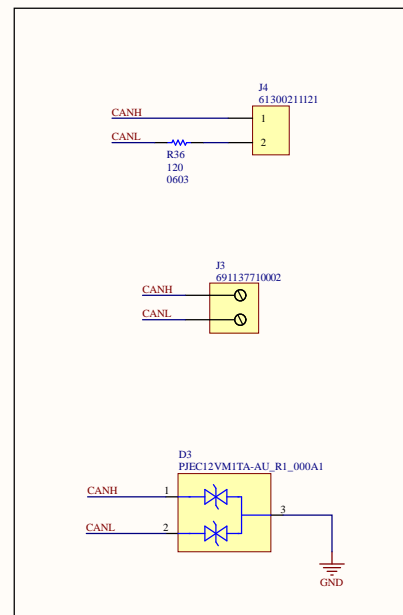
## CAN Controller



## CAN Transiver



## Termaison et connecteur



Total Power  
27mA @ 3V3

Sheet Name		Comminication CAN	
Project Title		RaspberryPi Frigorus Sheild	
Global Project		Frigorus System	
Size	Group	Revision	
11x17	Frigorus	1.0	
Date	2023-02-10	Sheet	5 of 5
Filename		Designers	
rasp_sheild_CAN.SchDoc		Julien Roy-Sabourin	