

Project: myCar

Module: On-Board Central Processor - Lite

11/01/2023

V1.0

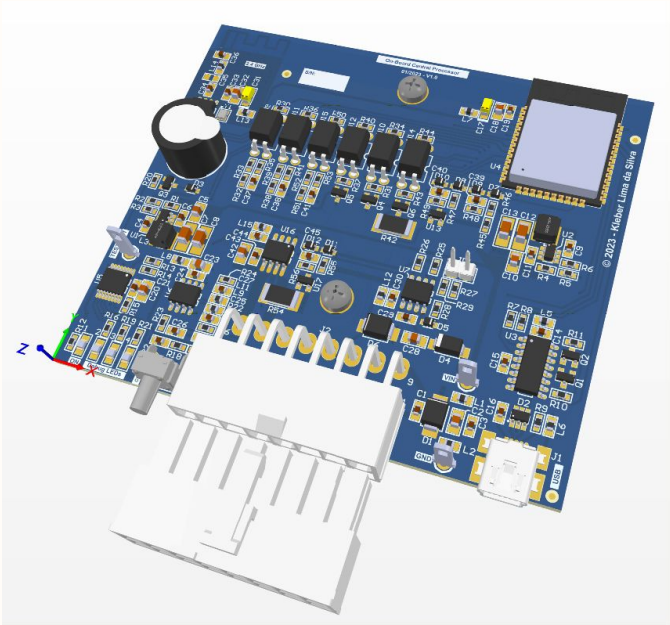
Summary

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Revision History

11 January 2023
0. Initial Release

3D view



Notes:

1.

2.

3.

4.

U_[02] Hardware Architecture

[02] Hardware Architecture.SchDoc

Title		Variant
On-Board Central Processor		Lite
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A4	[01] Cover Page.SchDoc	V1.0
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Code OCP001		Designed by Kleber Lima da Silva

A

A

B

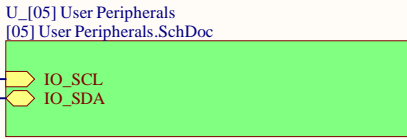
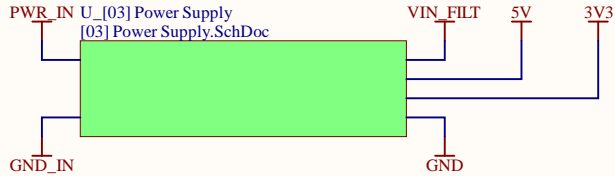
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C

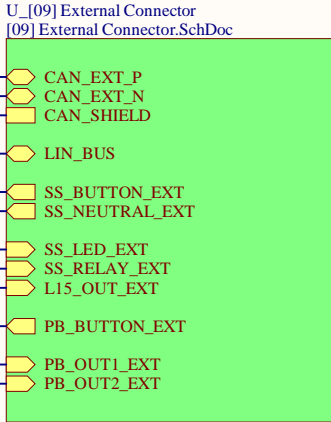
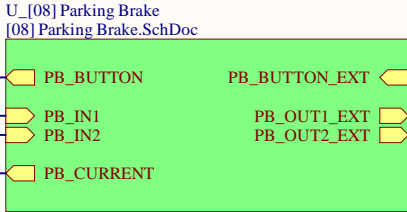
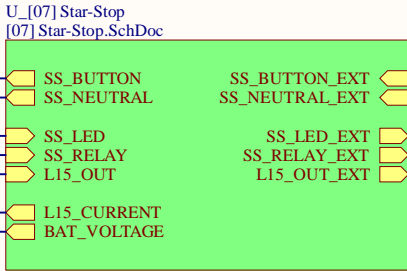
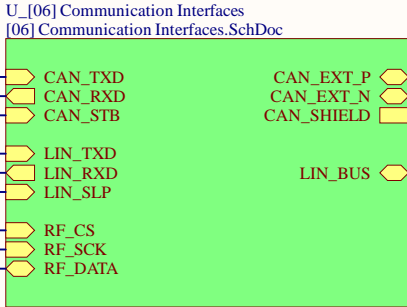
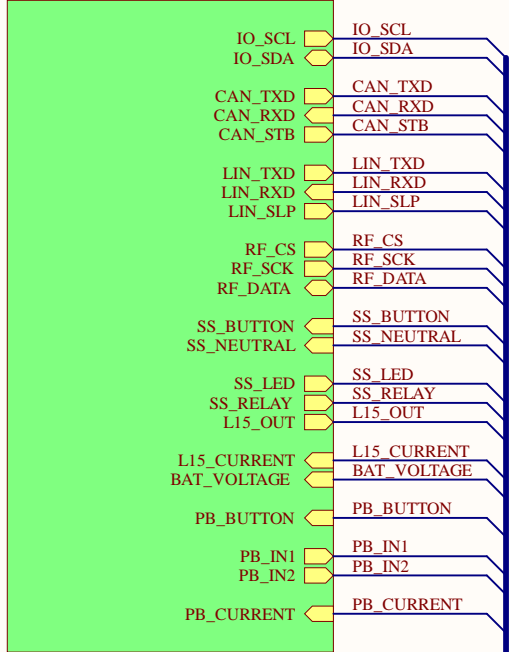
C

D

D



U_[04] Wi-Fi and Bluetooth MCU Module
[04] Wi-Fi and Bluetooth MCU Module.SchDoc

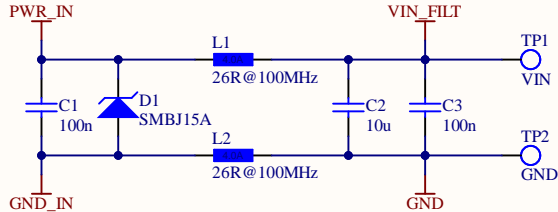


U_[10] Mechanicals
[10] Mechanicals.SchDoc

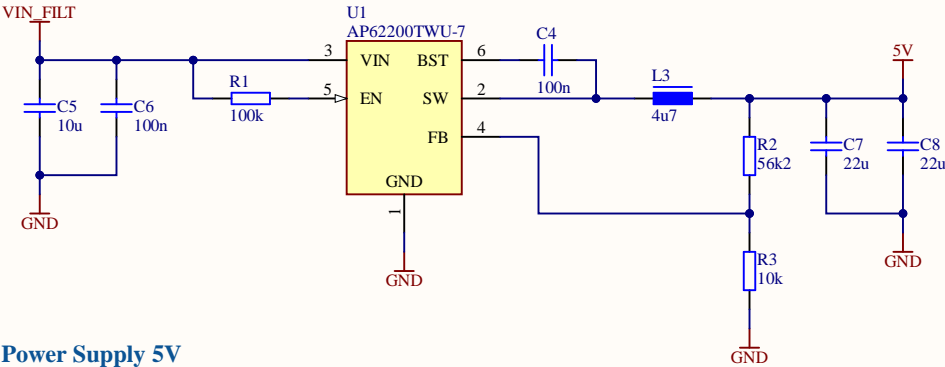


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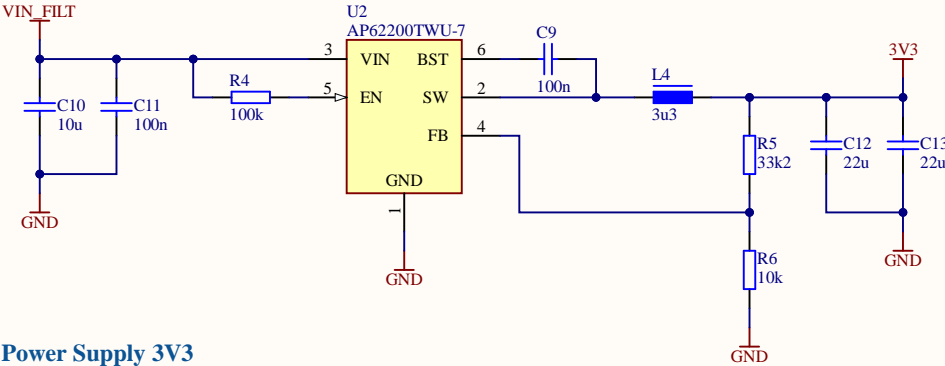
EMI Input Filter



Power Supply 5V

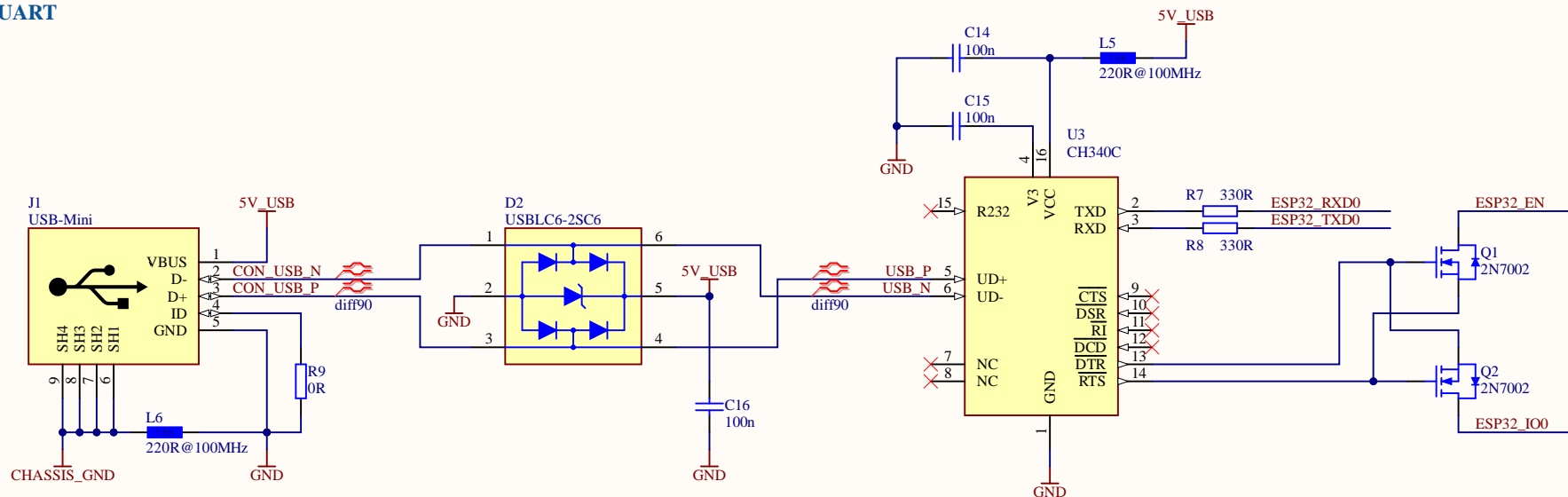


Power Supply 3V3

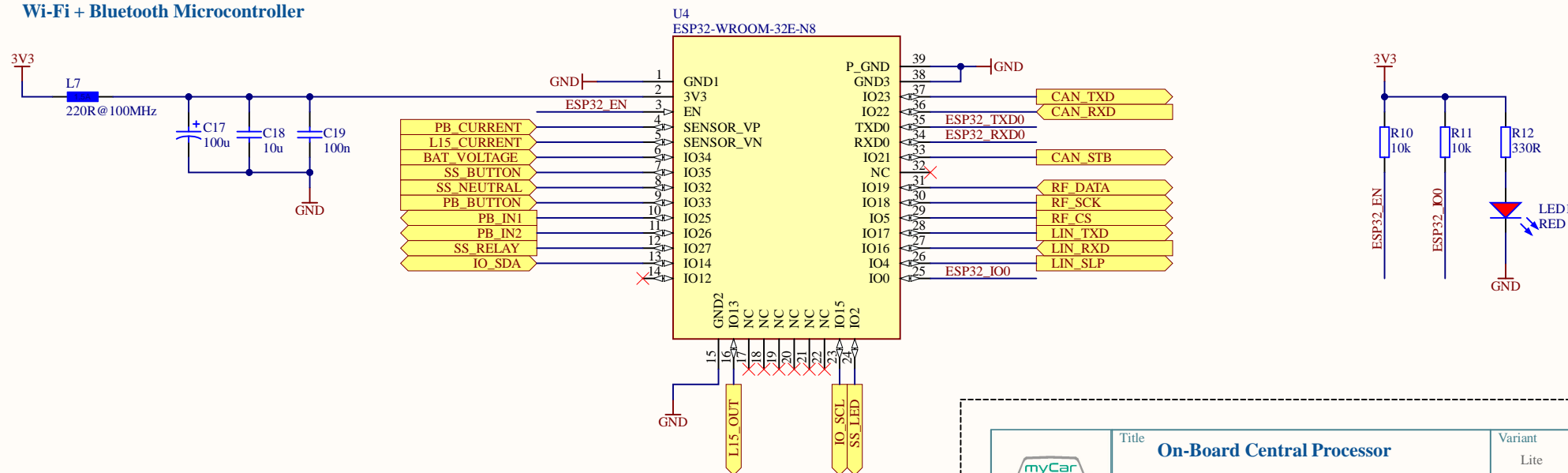



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A4	[03] Power Supply.SchDoc	V1.0
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USB to UART

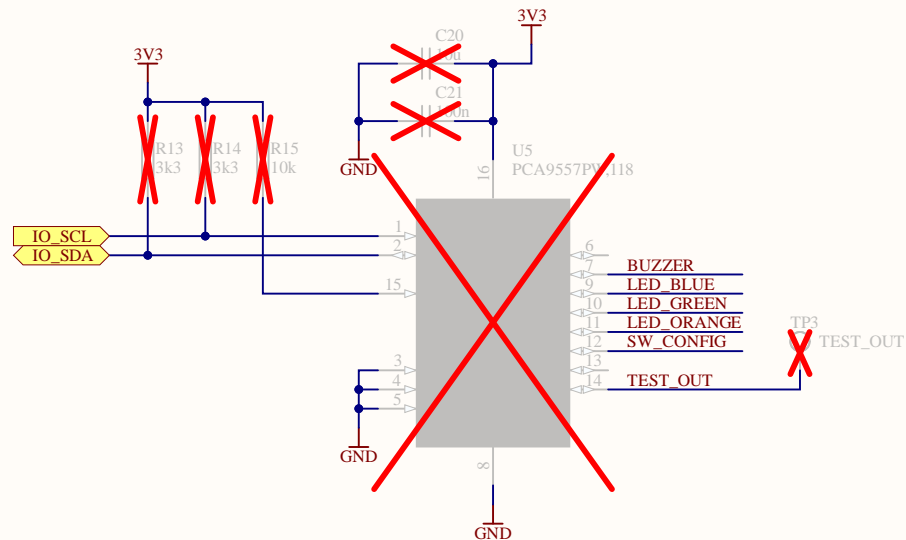


Wi-Fi + Bluetooth Microcontroller

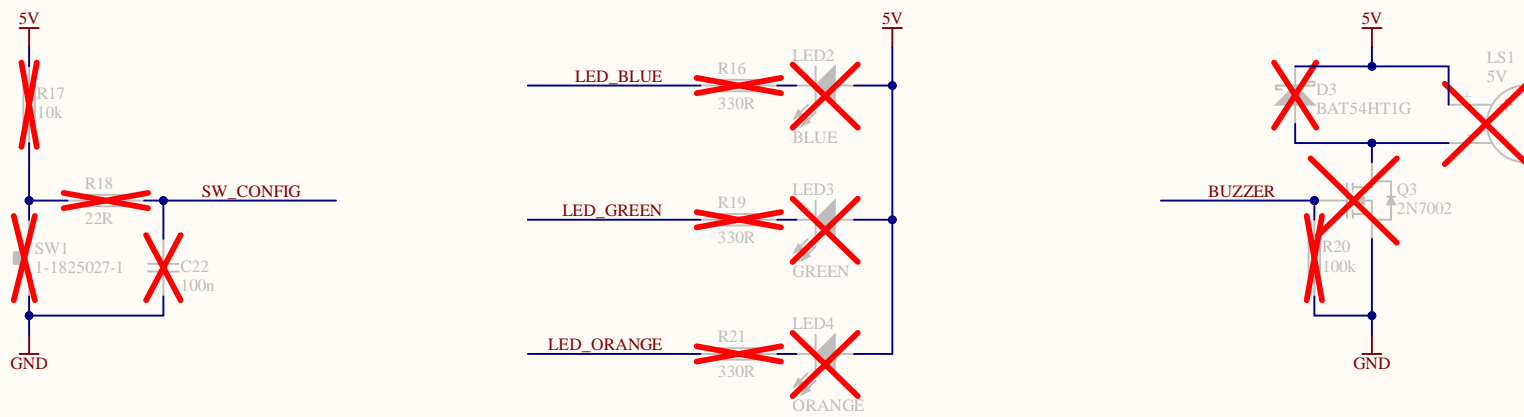



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	Size A4	Page Contents [04] Wi-Fi and Bluetooth MCU Module.SchDoc	Revision V1.0
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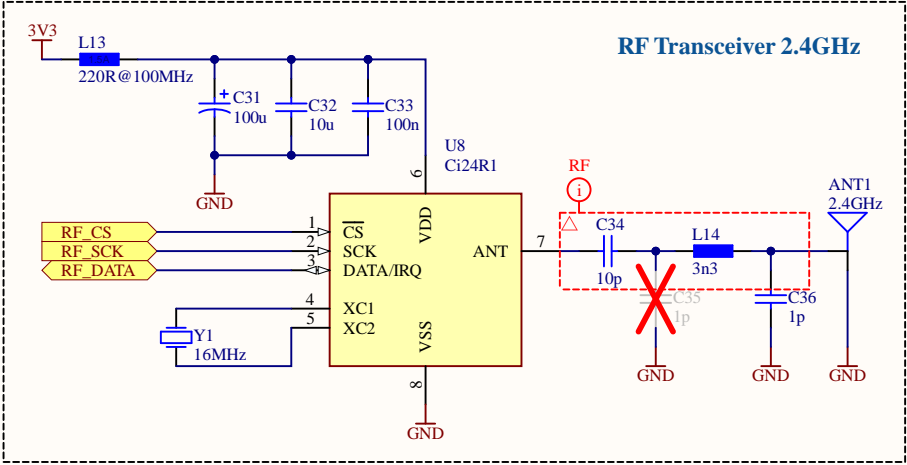
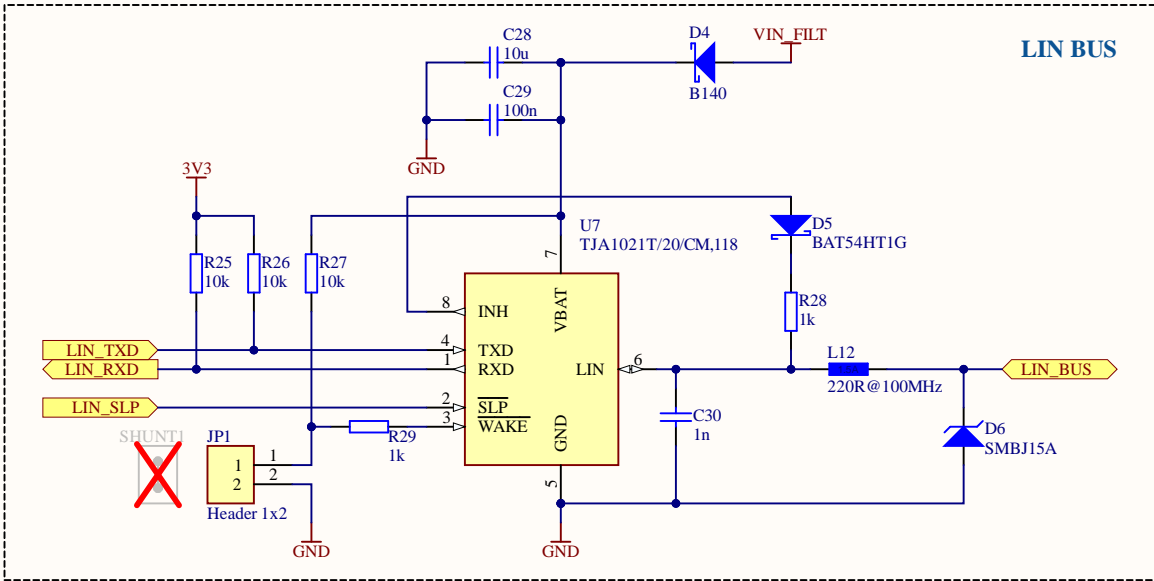
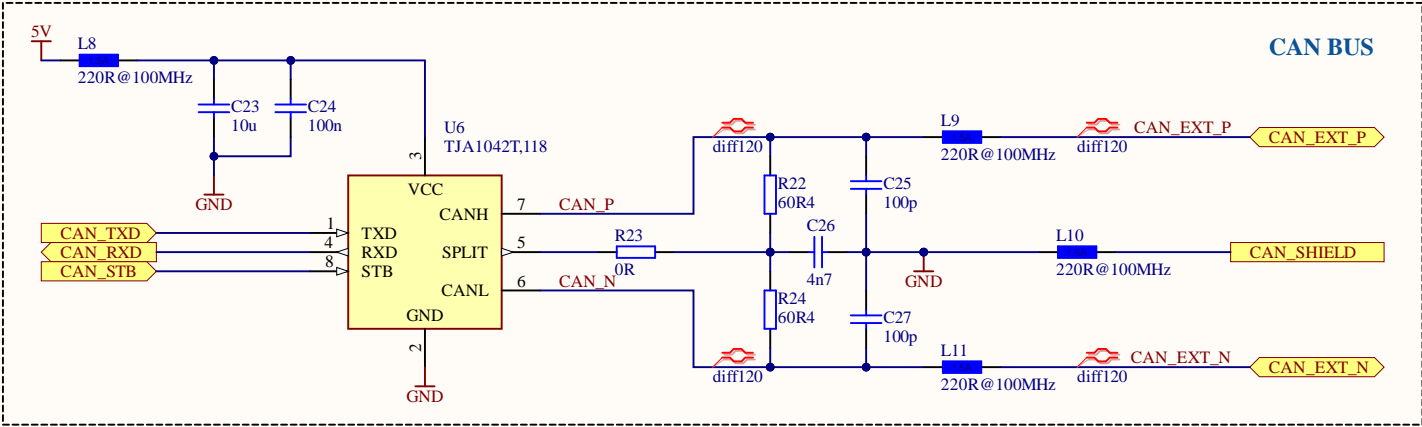
IO Expander




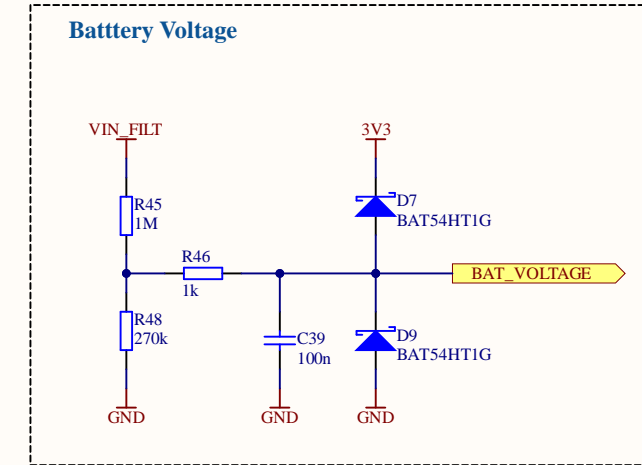
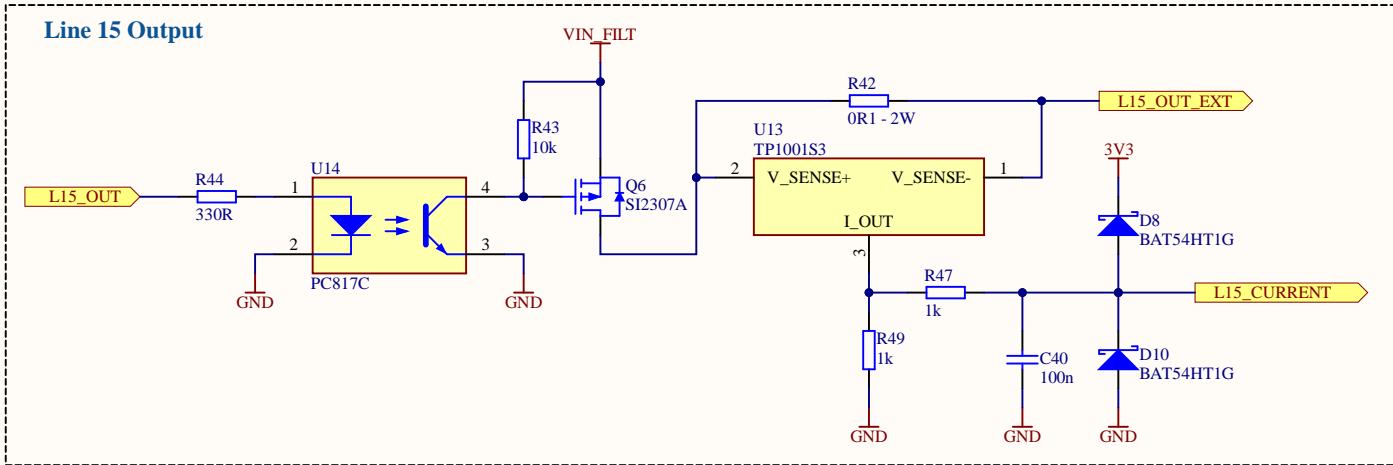
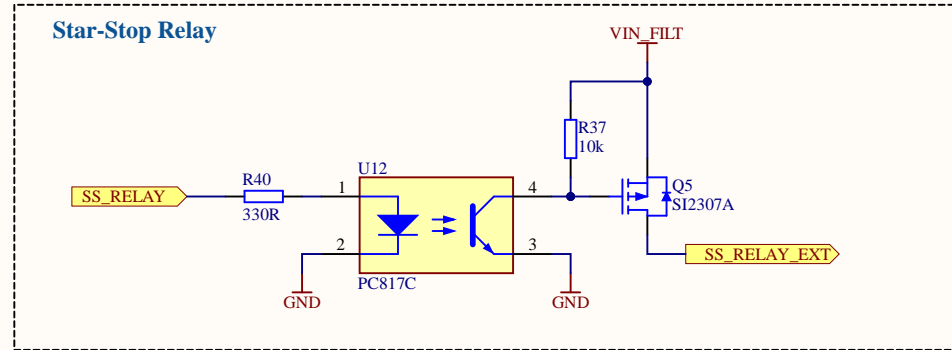
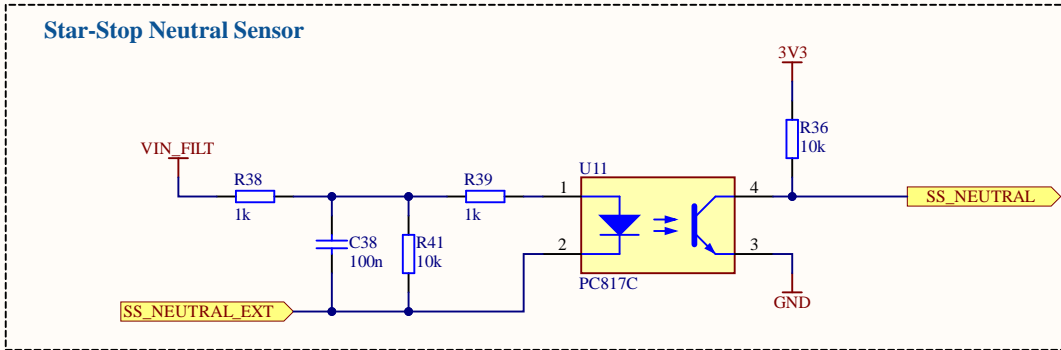
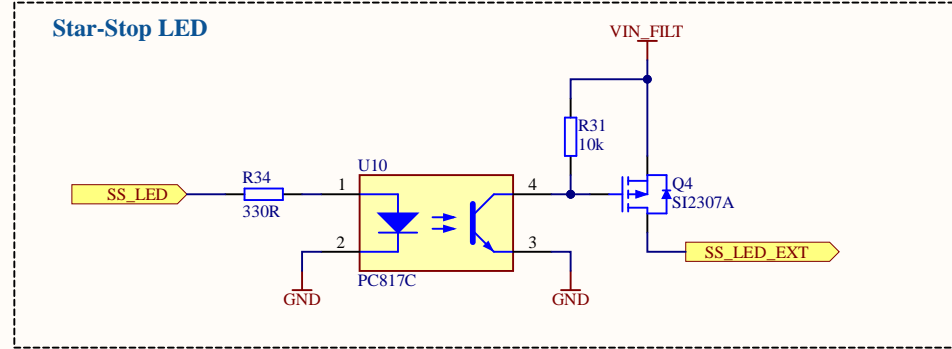
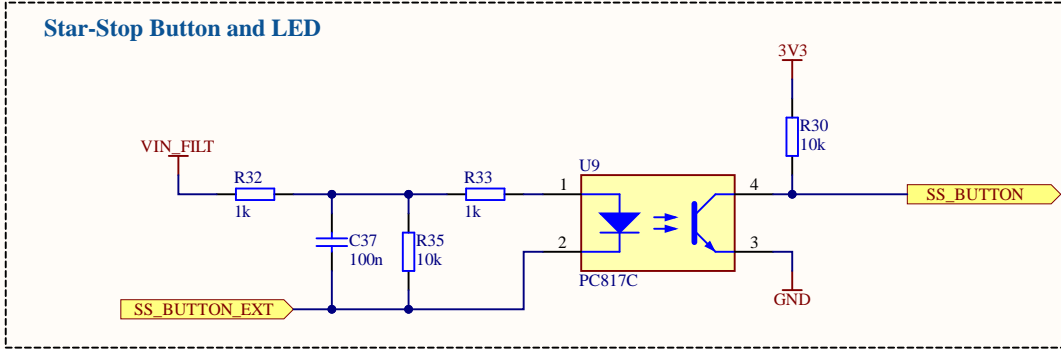
Peripherals




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	Size A4	Page Contents [05] User Peripherals.SchDoc	Revision V1.0
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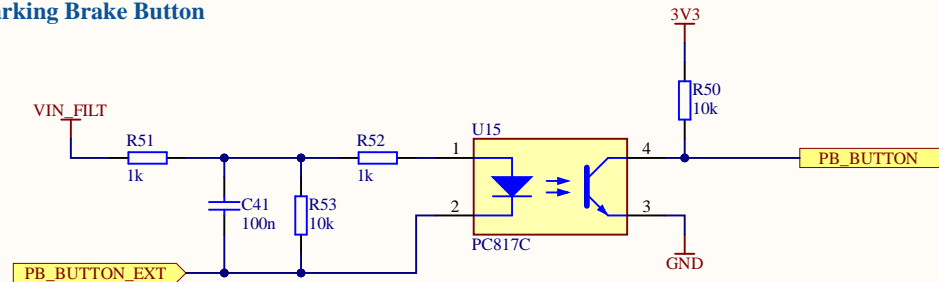


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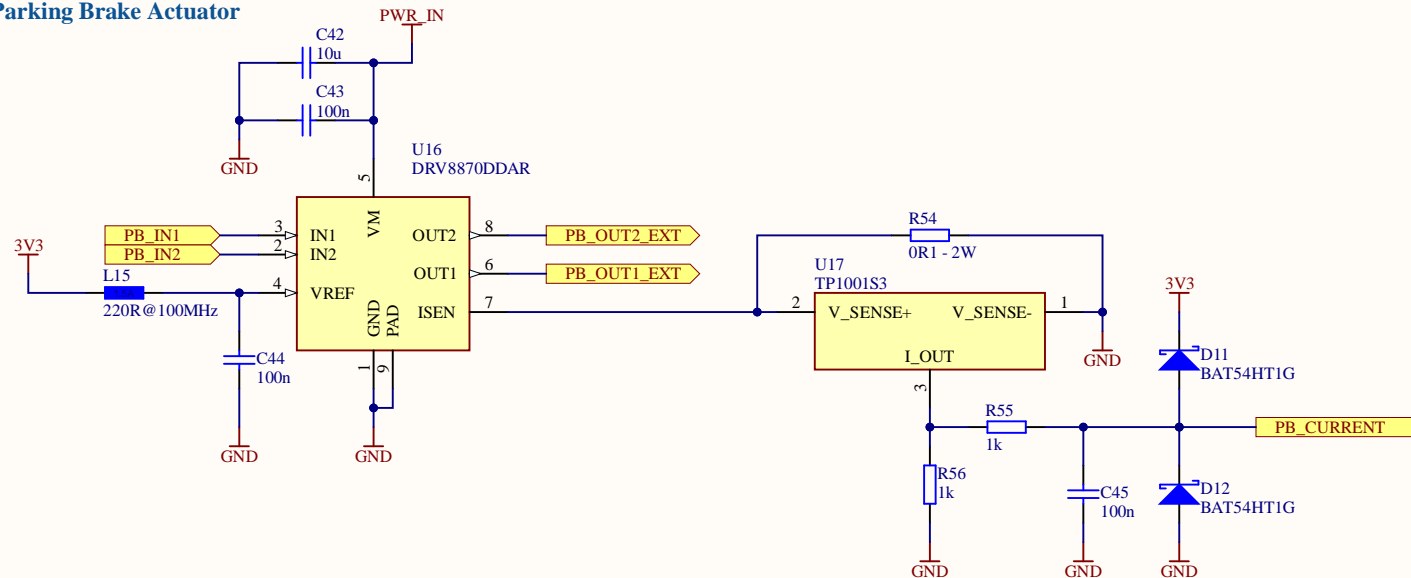


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		Size A4	Page Contents [07] Star-Stop.SchDoc	Revision V1.0
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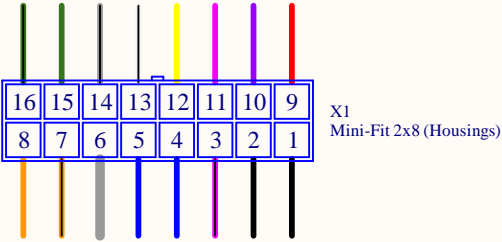
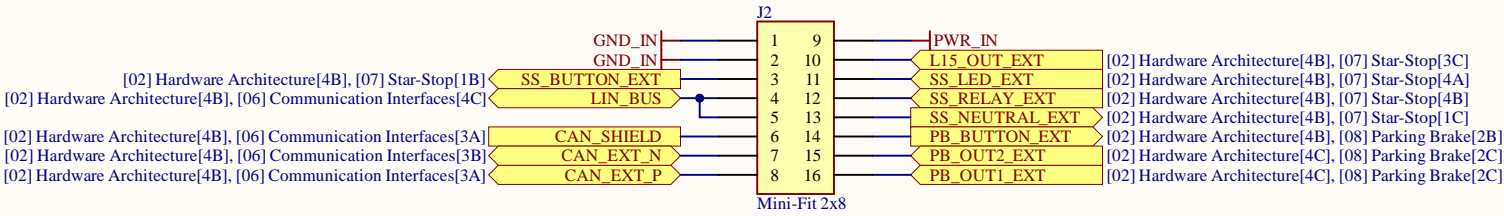
Parking Brake Button




Parking Brake Actuator

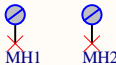


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A4	[08] Parking Brake.SchDoc	V1.0
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Mounting Holes



Fiducials



PCB1
On-Board Central Processor PCB V1.0.PcbDoc

PCB
90 x 80 mm

CASE1
Multitoc Baby Slim

Case
145 x 105 x 55 mm



Title		Variant
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A4	[10] Mechanicals.SchDoc	V1.0
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