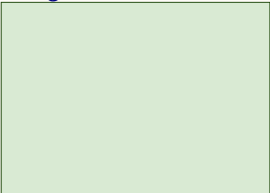


# Project Architecture

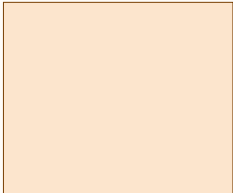
## Fujitsu ESP Home

Fuji\_atom



DCDC\_LIN\_CONN.SchDoc


Mechanics



Mechanics.SchDoc

Do not delete or move



Projet: <b>AF-HOME-001</b>			
Title: <b>Project Architecture</b>			<div>(c) 2025 Minbiocabanon Corp. Kiwi road TOULOUSE FRANCE</div> 
Size: <b>A4</b>	PN: <b>HOME</b>	Revision: <b>AB01</b>	
Date: <b>06/10/2025</b>	Page <b>1</b> of <b>5</b>		
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# AF-HOME-001

## Variant: Proto

06/10/2025

AB01

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2	Cover Page
3	Revision History
4	Mechanics
5	DC/DC , LIN Interface, Connectors

DESIGN CONSIDERATIONS

DESIGN NOTE:  
Example text for informational  
design notes .

DESIGN NOTE:  
Example text for cautionary  
design notes.

DESIGN NOTE:  
Example text for critical  
design notes.

LAYOUT NOTE:  
Example text for critical  
layout guidelines.


# Revision History

**AA01 : First version of the PCB**

**AB01 :**

- Increase resistors value for led current to reduce brightness
- Revert J101 connector
- Fix typo on DC/DC title block

CLOCKS (CPU & PCIe)

Projet: <i>AF-HOME-001</i>			
Title: <i>Revision History</i>			<i>(c) 2025 Minbiocabanon Corp.</i> <i>Kiwi road</i> <i>TOULOUSE</i> <i>FRANCE</i> 
Size: <i>A4</i>	PN: <i>HOME</i>	Revision: <i>AB01</i>	
Date: <i>06/10/2025</i>	Page <i>3</i> of <i>5</i>		
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# Mechanics

## Manufacturing elements

PCB1

PCB Reference

E7-HOME-AB01

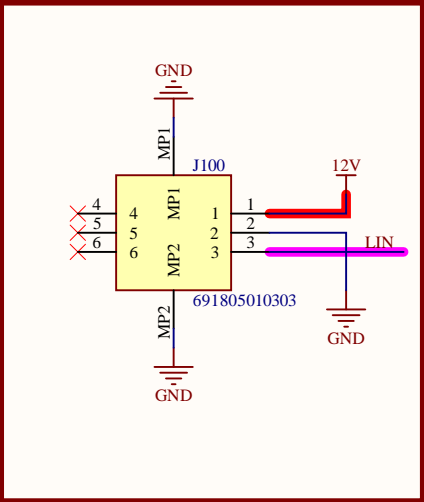
Stencil1

Stencil Reference

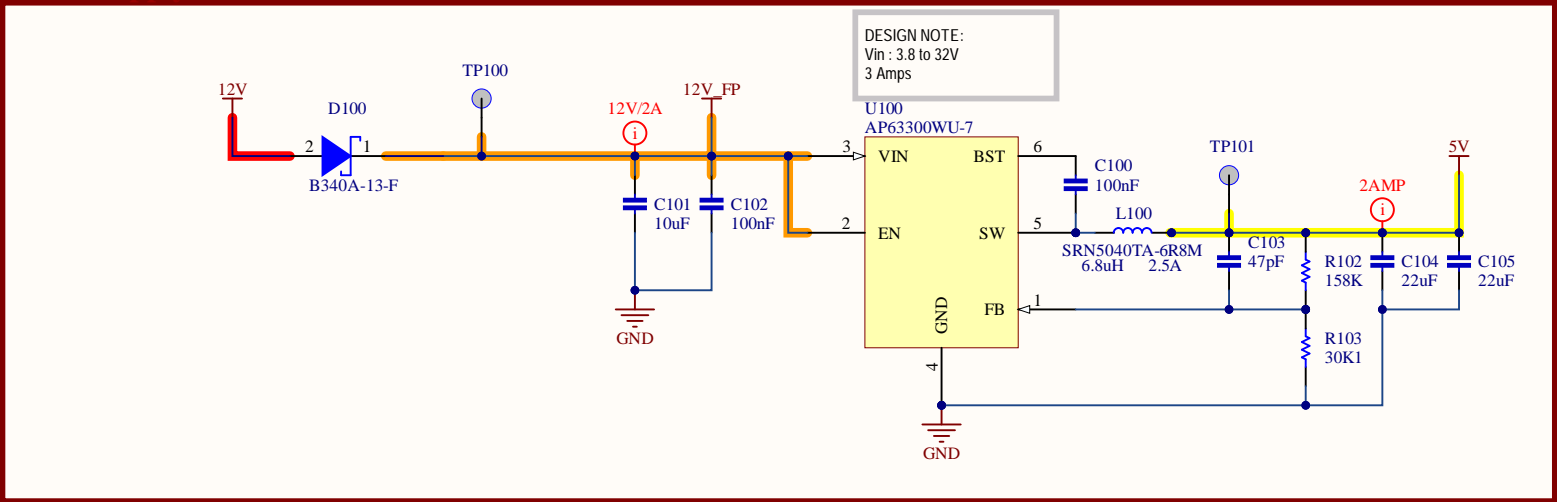
E9-HOME-AB01

# Fujitsu interface for M5Stack Atom - ESPHome

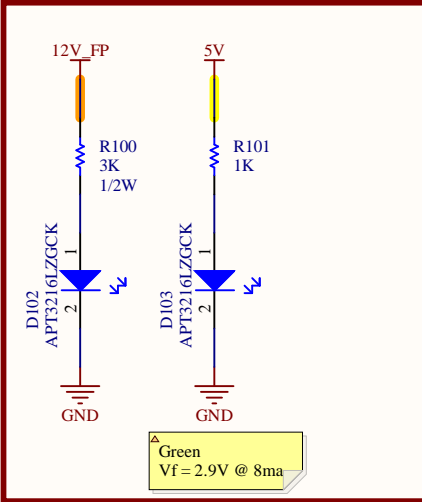
Connector to Fuji controler



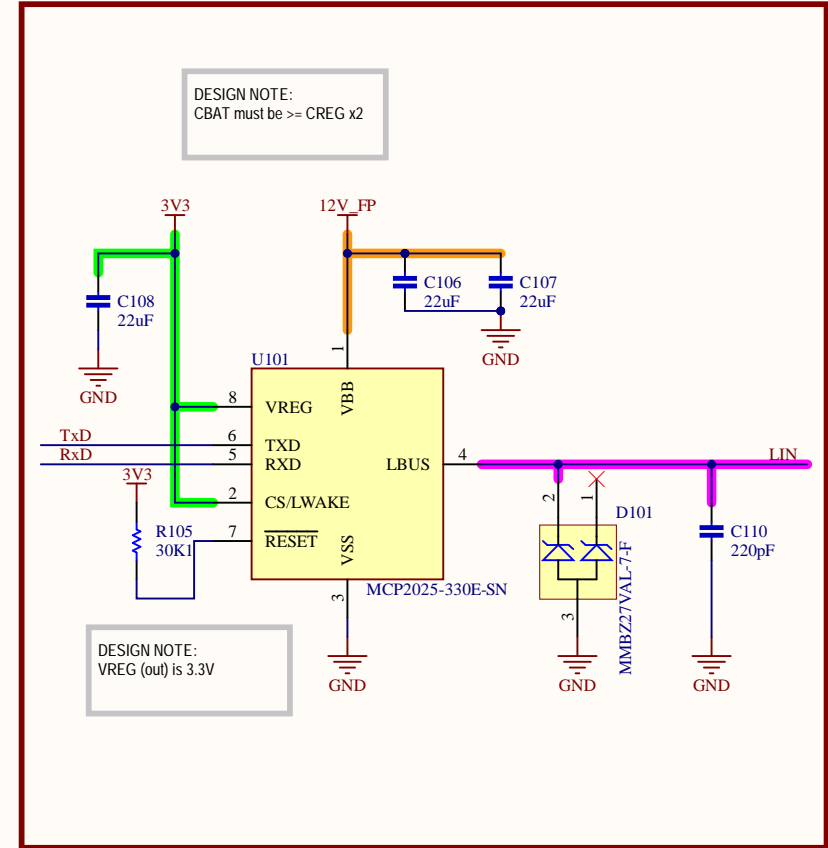
Power Supply - BUCK 12V to 5V/3A



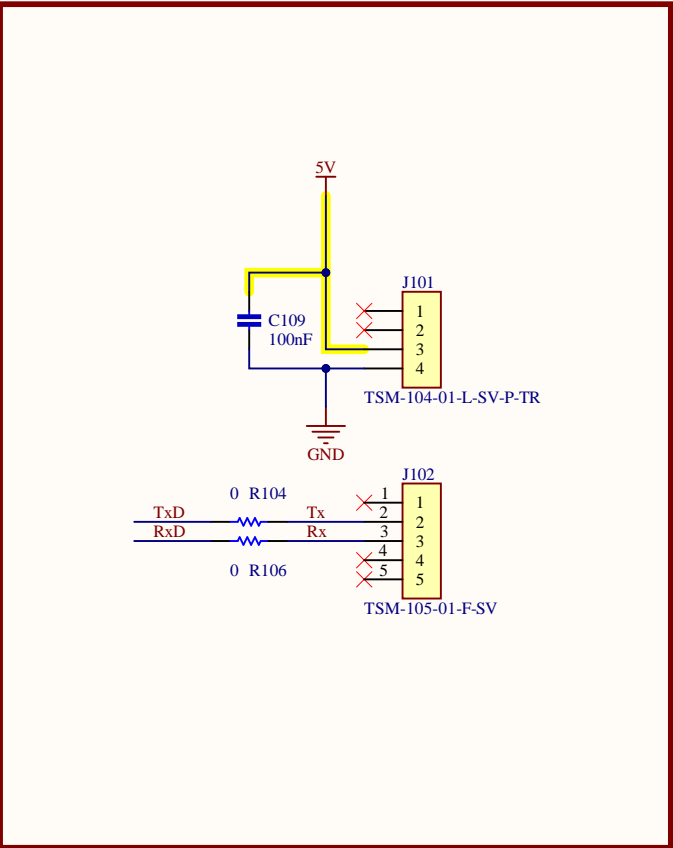
Leds



LIN Transceiver



M5Stack connectors



Projet: **AF-HOME-001**

Title: **Fujitsu interface for M5Stack Atom - ESPHome**

Size: A3

Date: 06/10/2025

PN: HOME

Revision: AB01

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