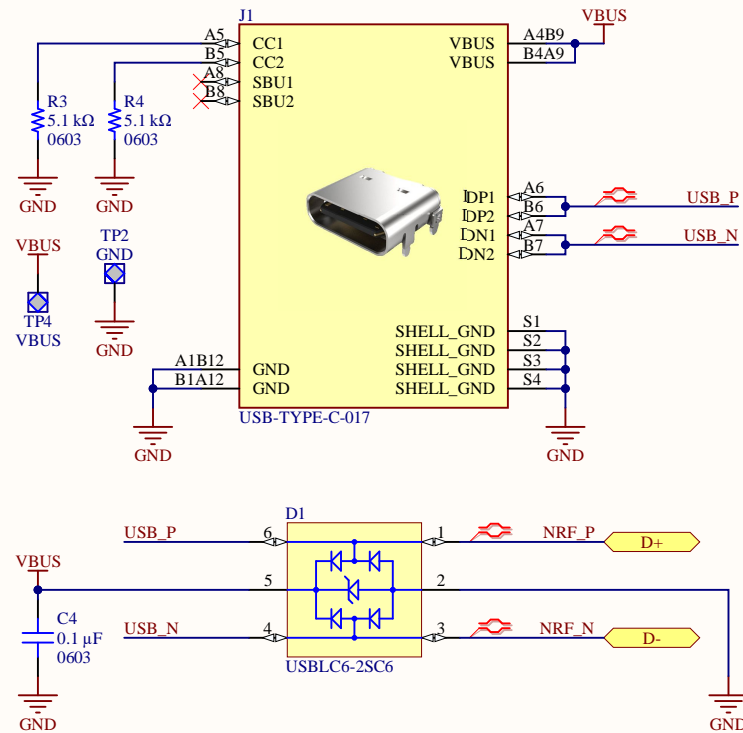


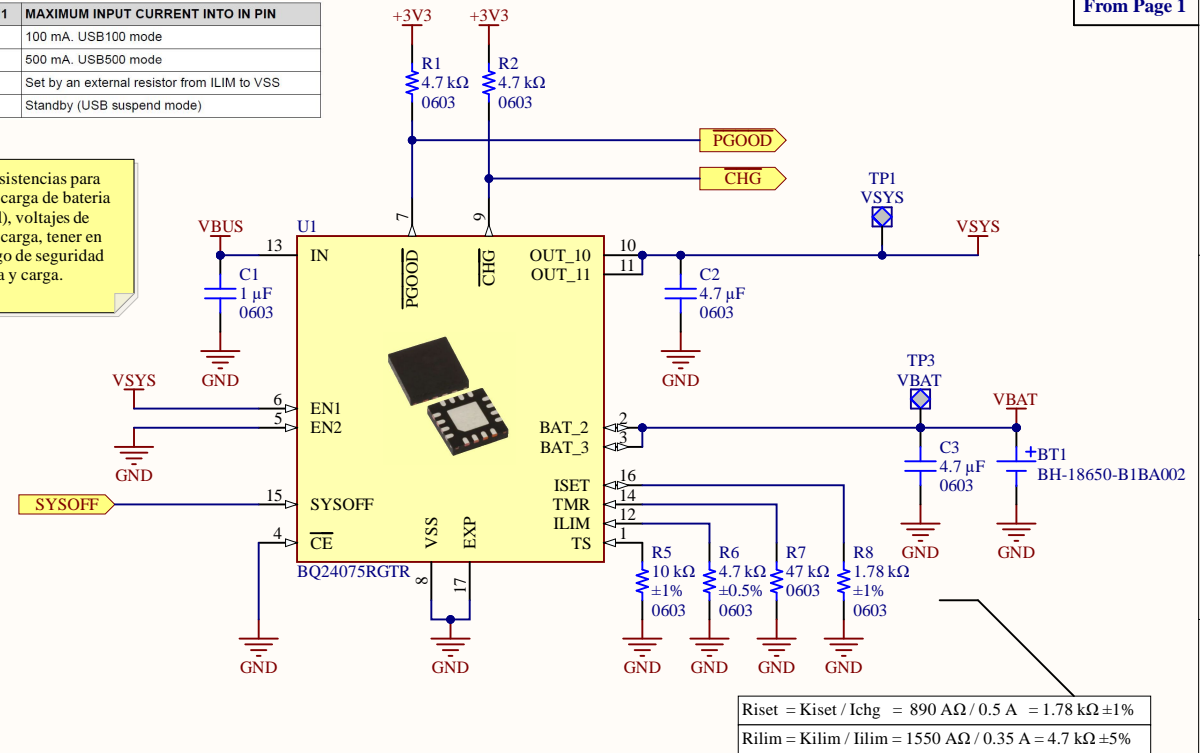
USB Connector and ESD Protection



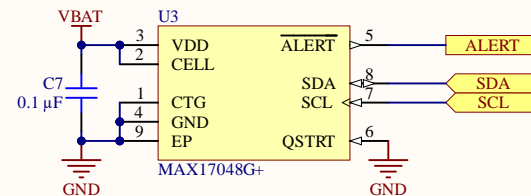
Battery Charger

EN2	EN1	MAXIMUM INPUT CURRENT INTO IN PIN
0	0	100 mA. USB100 mode
0	1	500 mA. USB500 mode
1	0	Set by an external resistor from ILIM to VSS
1	1	Standby (USB suspend mode)

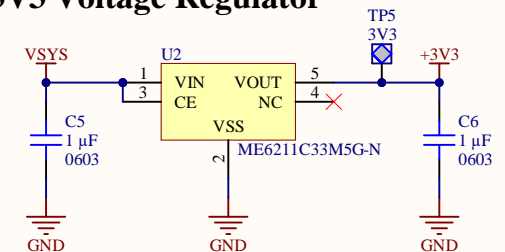
Calcular resistencias para carga y descarga de batería (intensidad), voltajes de carga y descarga, tener en cuenta rango de seguridad de descarga y carga.



Fuel Gauge



3V3 Voltage Regulator

Sheet title: **USB & Power**

Project title:

Designer:

Supervisor:

Date:

Revision:

Sheet 2 of 3

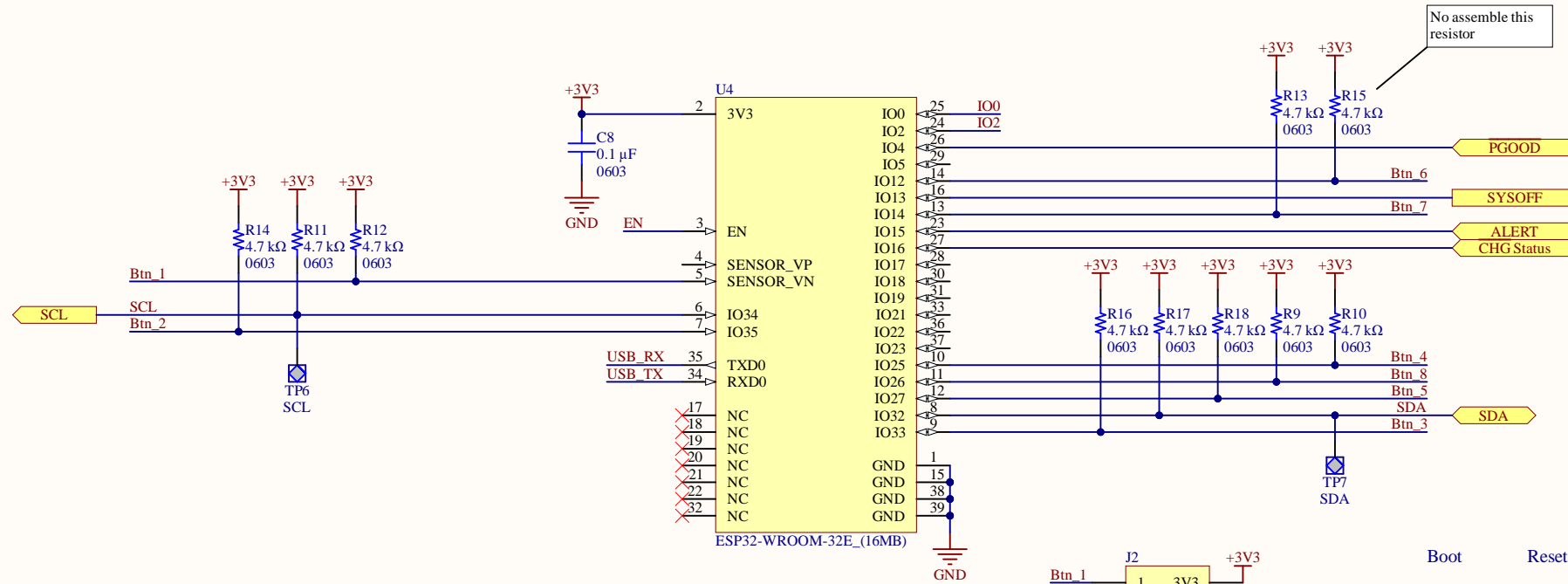
USB connector, battery, battery charger IC and voltage regulators

✻

From Page 1

A

A



B

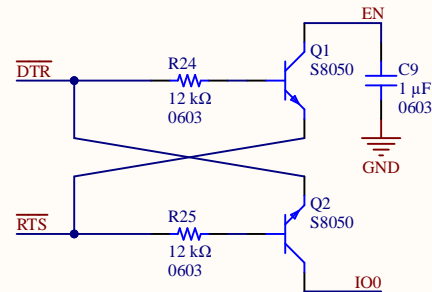
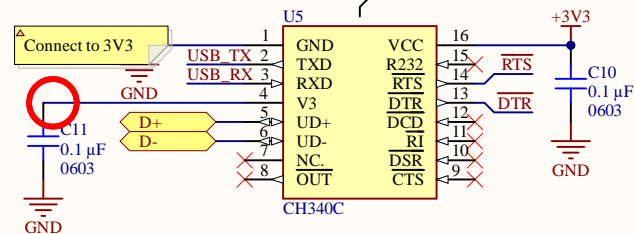
B

C

C

USB to TTL

- Model: CH340C
- Compatible with USB V2.0
- Support 5V and 3.3V power supply even 3V
- CH340C, CH340G and CH340B have built-in crystal and are compatibles.
- SOP-16 lead-free RoHS compliant package



Auto Reset & Program Circuit

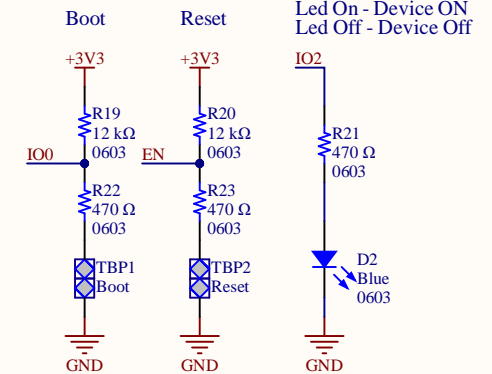
DTR	RTS	EN	IO0	
1	1	1	1	← Normal Mode
0	0	1	1	← Normal Mode
1	0	0	1	← Reset
0	1	1	0	← Program Mode

EN - ESP32 Enable

1 - Device On
0 - Device Off

IO0 - ESP32 GPIO0

1 - SPI Mode
0 - Download Boot Mode



Sheet title:	*
--------------	---

Project title:

Designer:

Supervisor:

Date:

Revision:

Sheet 3 of 3

D

D