

GPS USB:
 - J25 1-2 : USB power on
 - J25 2-3 : USB power off

DDC Interface:
 - address = 0x42



Cybele Services

Sheet: /CymBOX-GPS/

File: CymBOX-GPS.sch

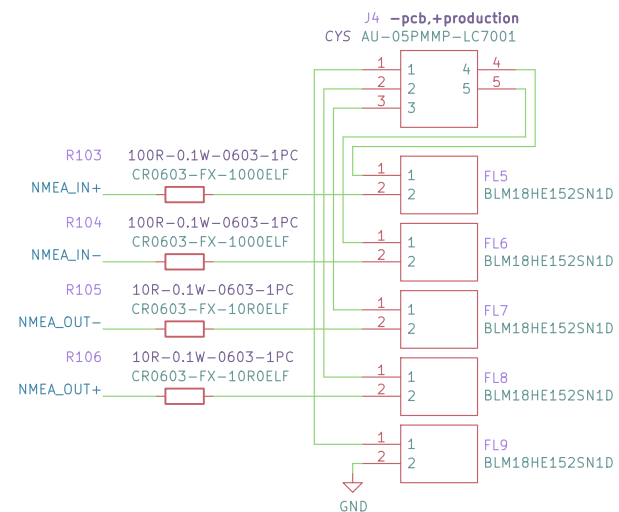
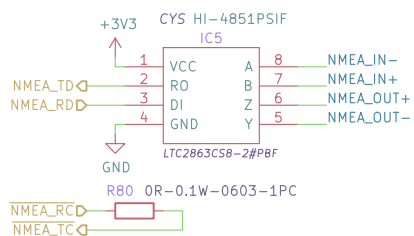
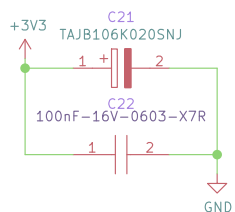
Title: CysBOX

Size: A4 Date: 2023-07-10

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File: CymBOX-NMEA.sch

Title: CysBOX

Size: A4 Date: 2023-07-10

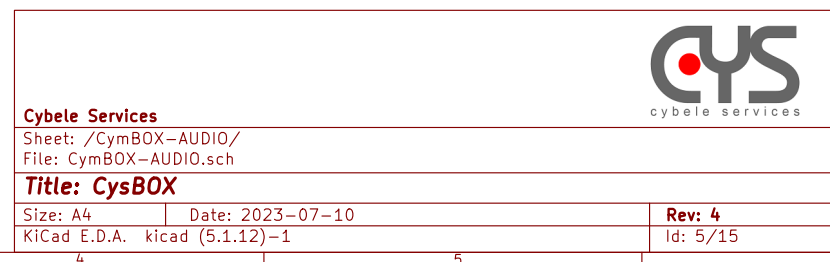
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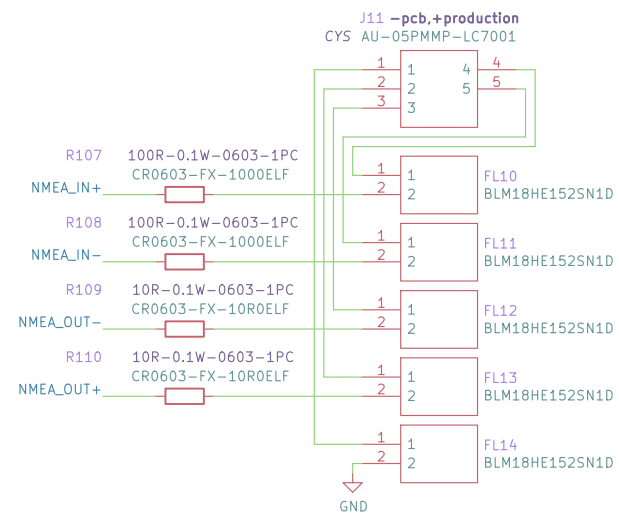
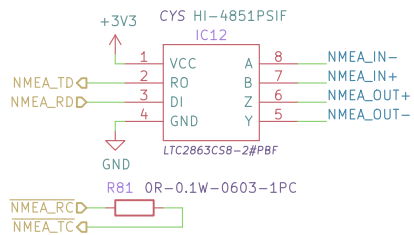
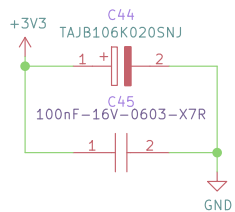
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Cybele Services

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File: CymBOX-NMEA.sch

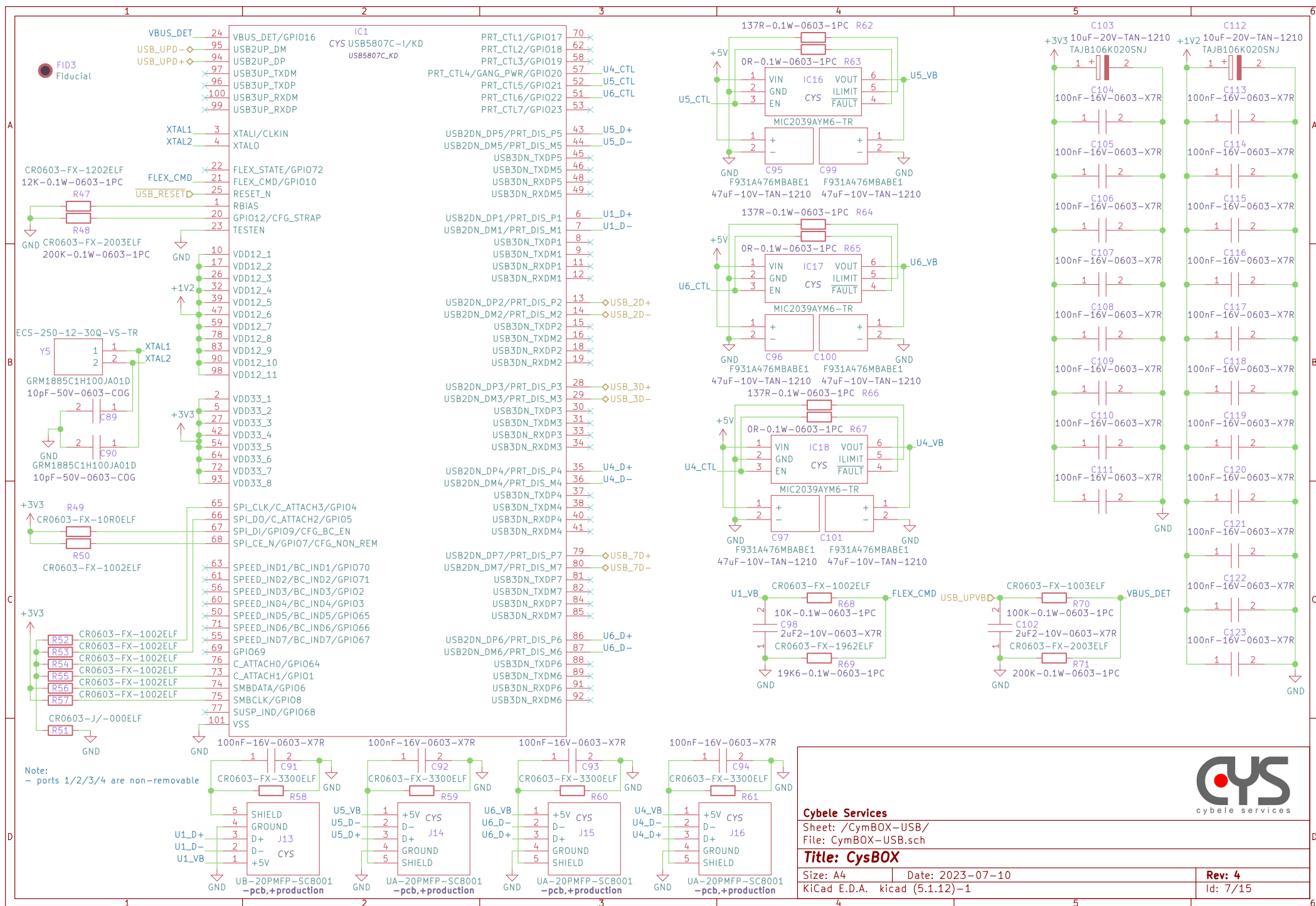
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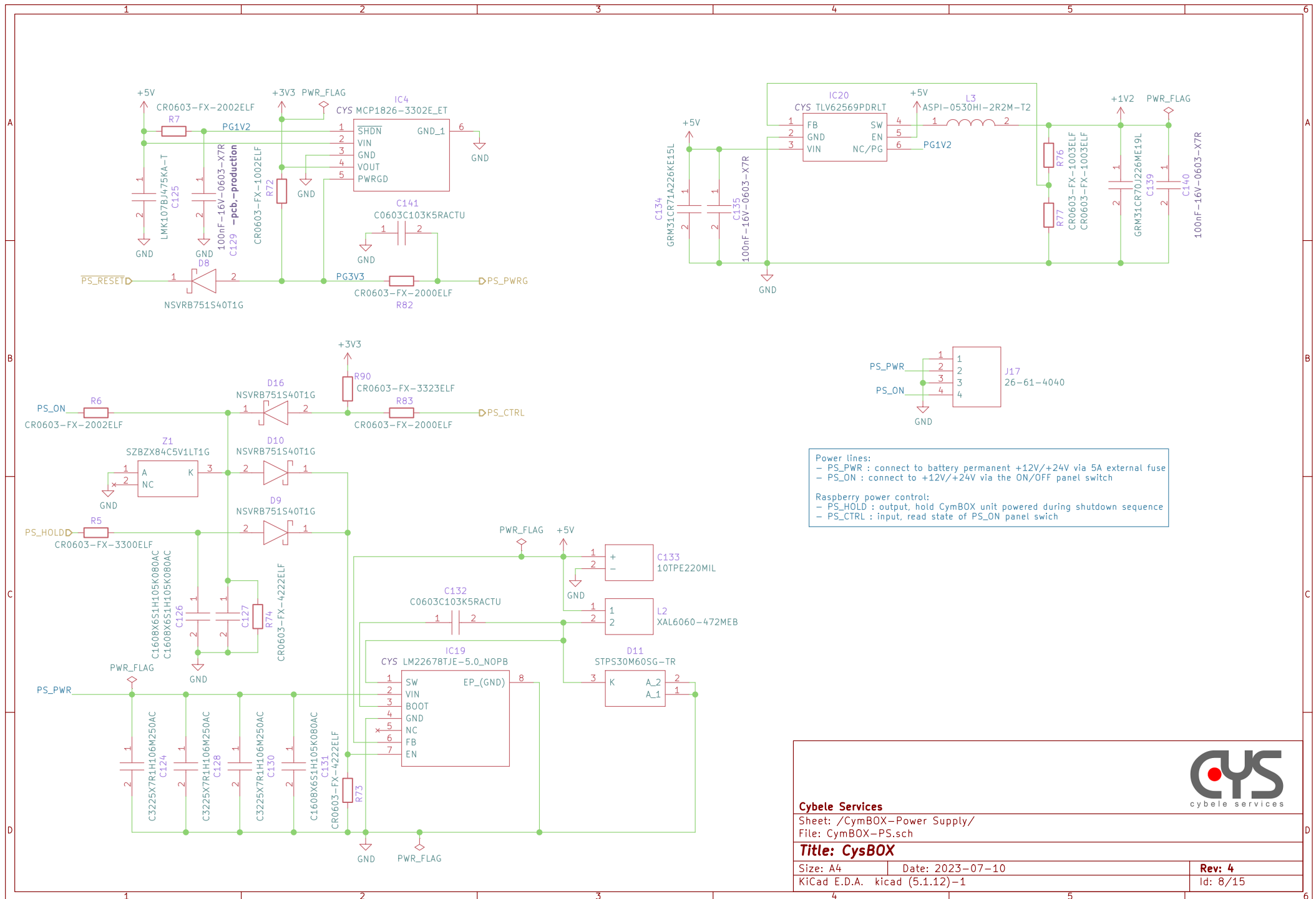
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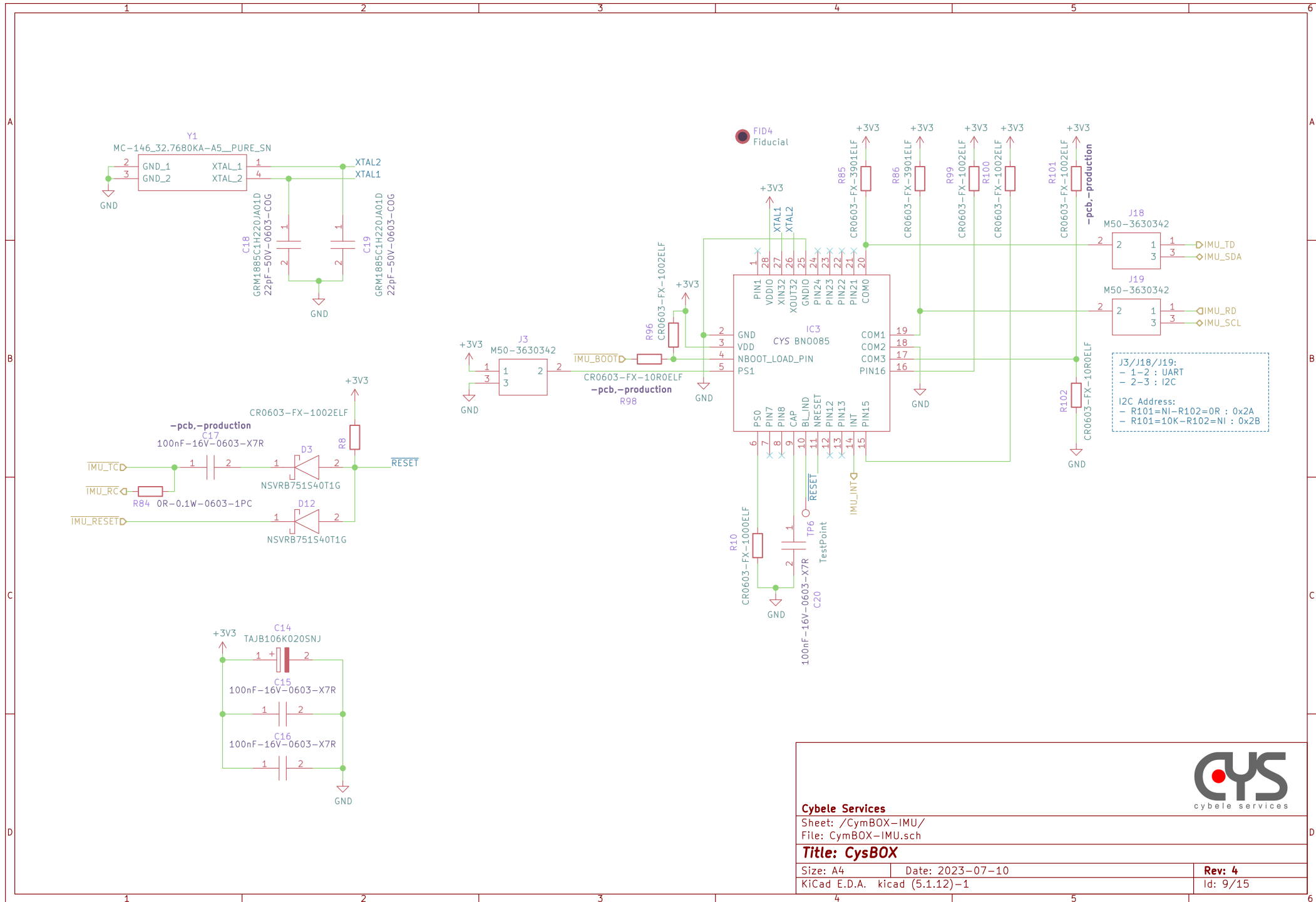
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Cybele Services

Sheet: /CymBOX-IMU/
 File: CymBOX-IMU.sch

Title: CysBOX

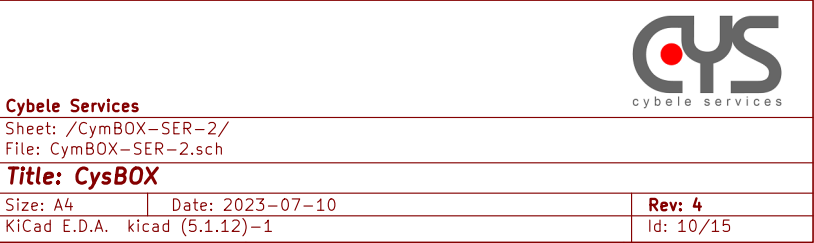
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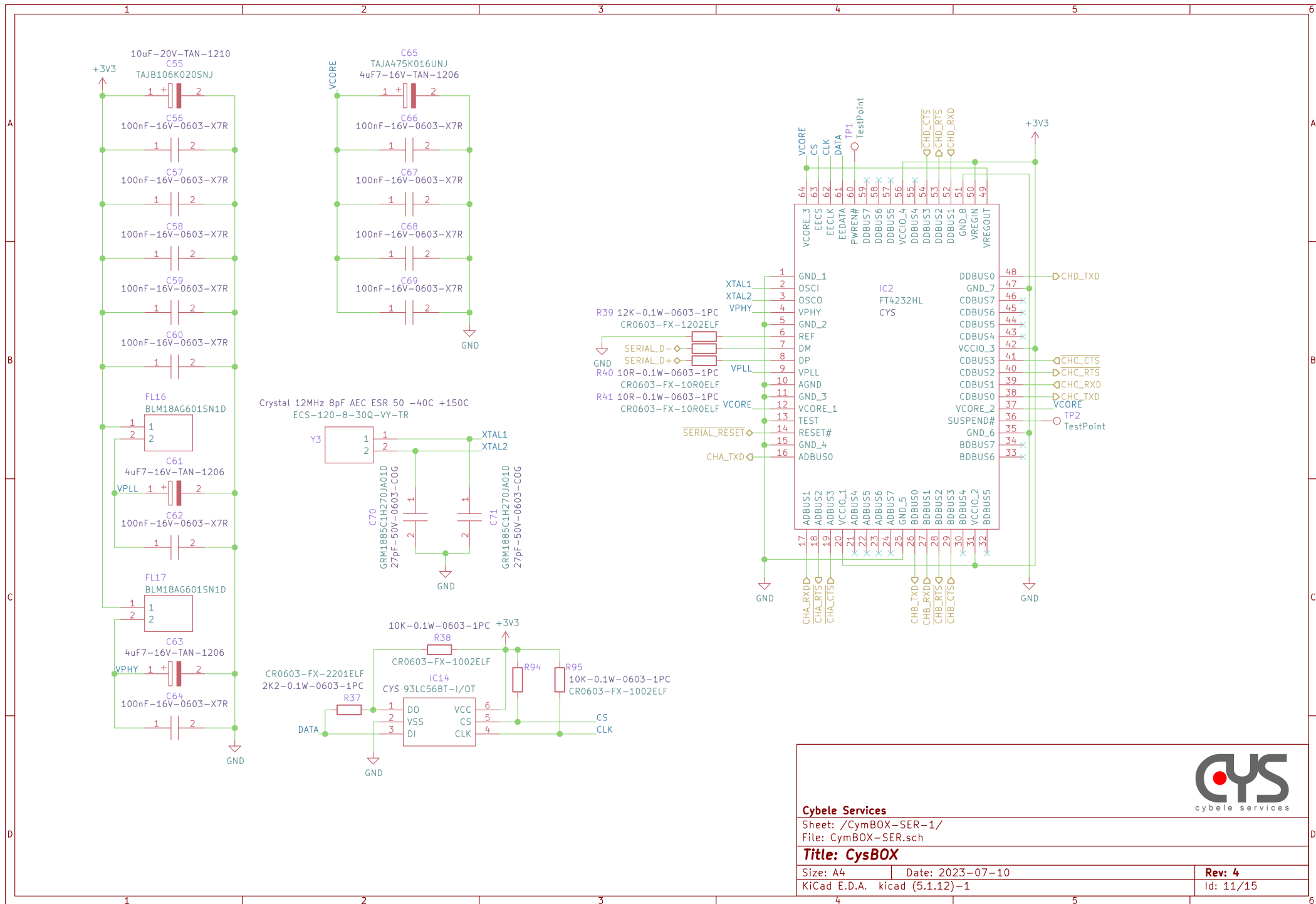
KiCad E.D.A. kicad (5.1.12)-1

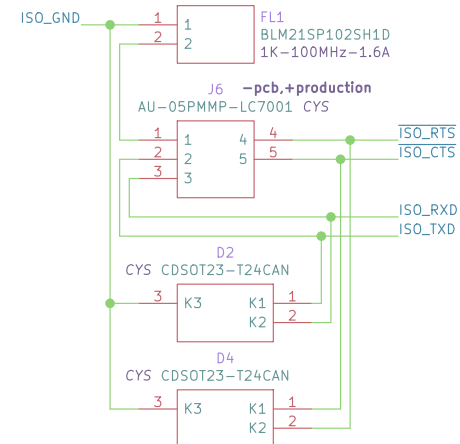


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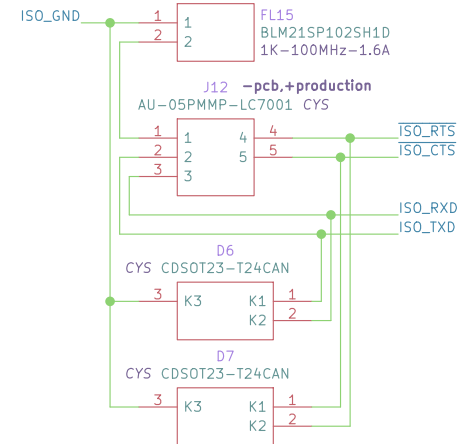
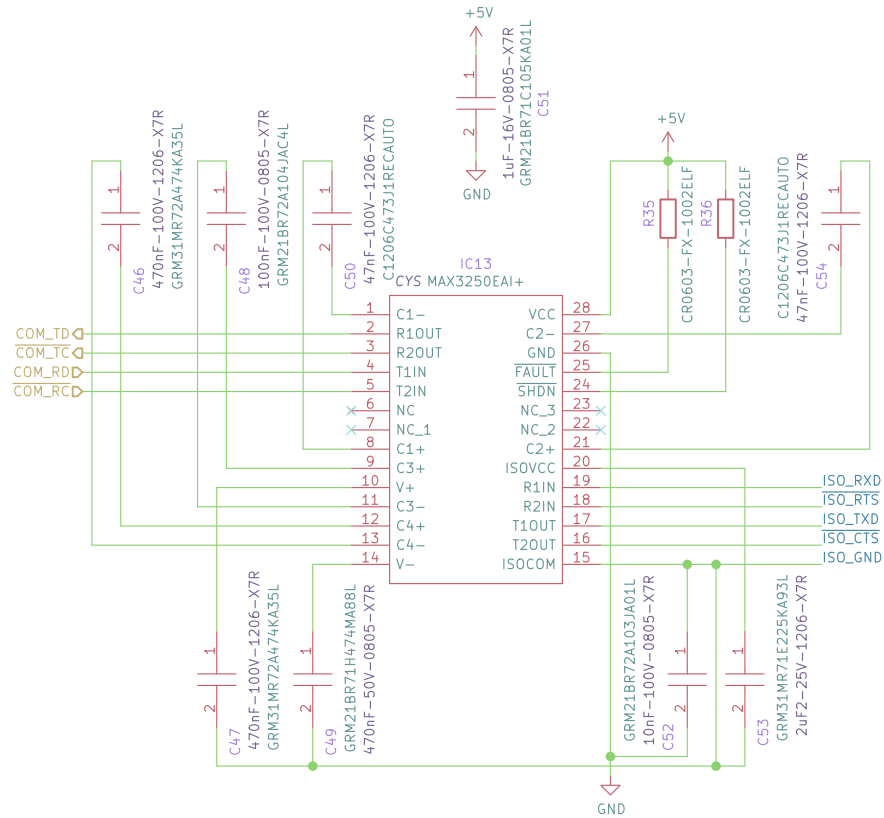
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Note:
Pinout allows to connect
to CymPWR unit with a
straight-through cable

Cybele Services

Sheet: /CymBOX-COM-2/

File: CymBOX-COM.sch

Title: CysBOX

Size: A4 Date: 2023-07-10

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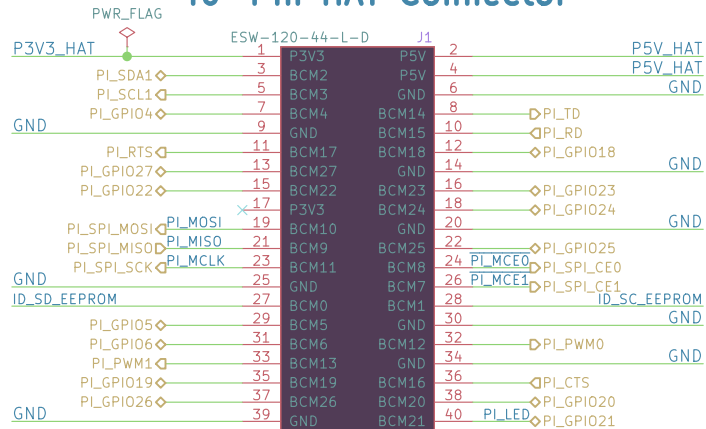


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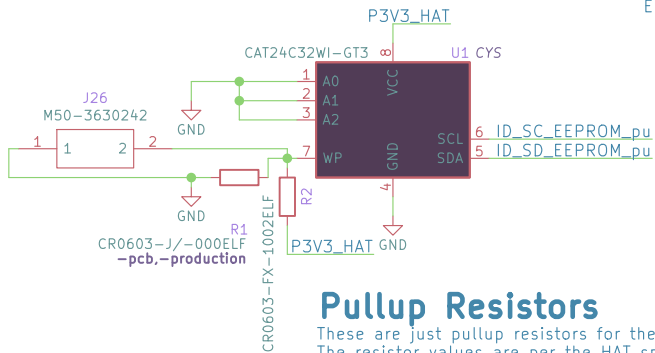
This is based on the official Raspberry Pi spec to be able to call an extension board a HAT.
<https://github.com/raspberrypi/hats/blob/master/designguide.md>

40-Pin HAT Connector



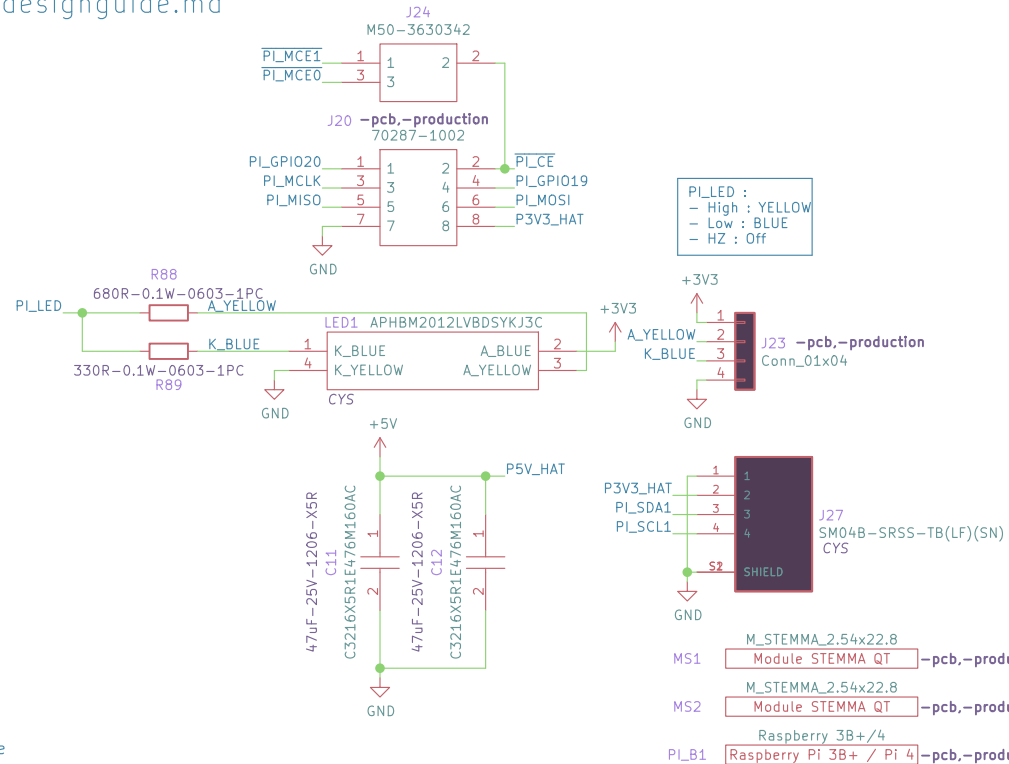
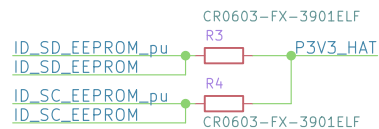
HAT EEPROM

The HAT spec requires this EEPROM with system information to be in place in order to be called a HAT. It should be set up as write protected (WP pin held high), so it may be desirable to either put a jumper as shown to enable writing, or to hook up a spare IO pin to do so.
 EEPROM WRITE ENABLE

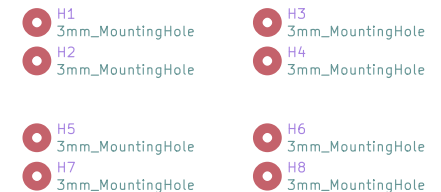


Pullup Resistors

These are just pullup resistors for the I2C bus on the EEPROM. The resistor values are per the HAT spec.



Mounting Holes



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Sheet: /CymBOX-PI/
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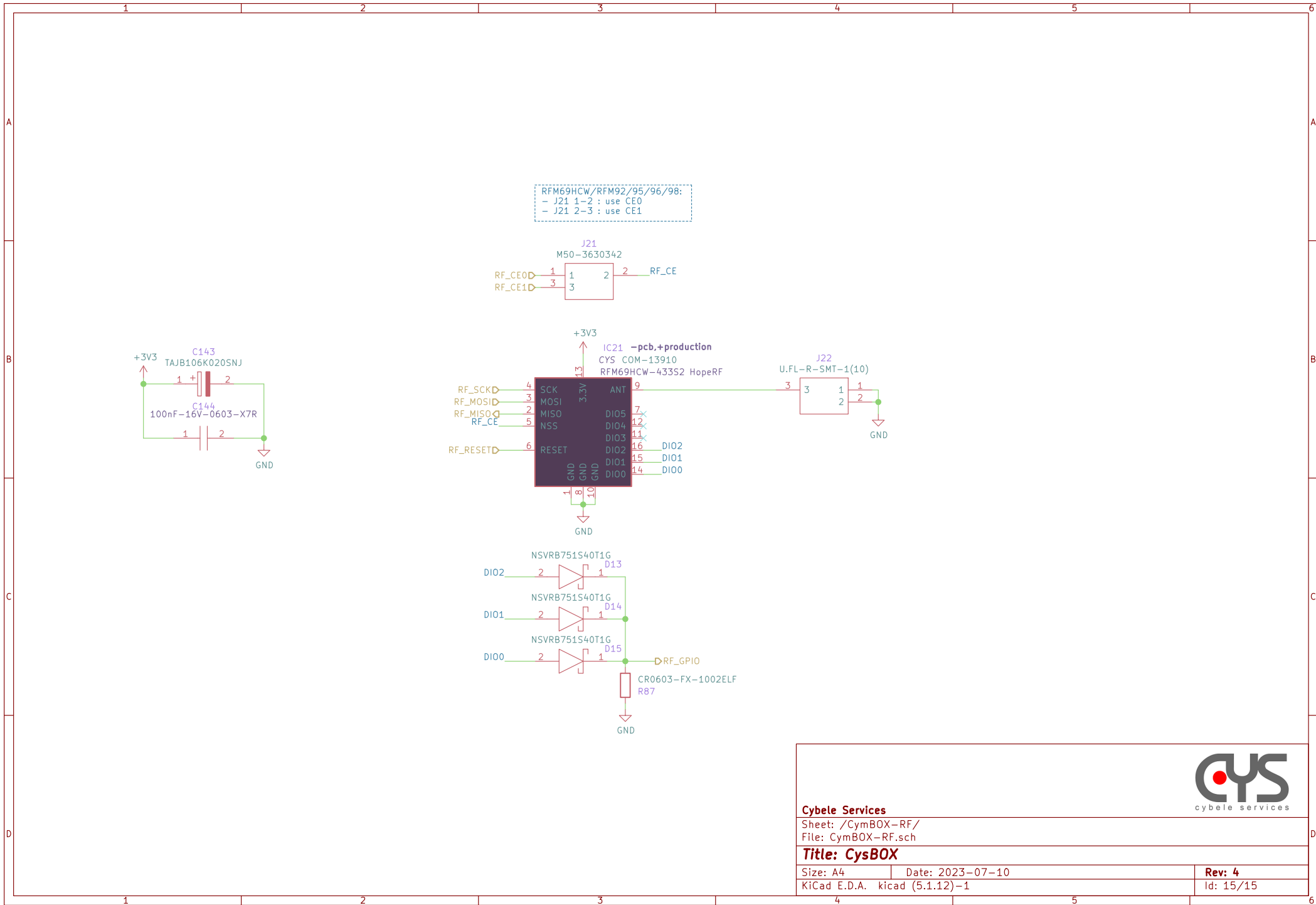
Title: CysBOX

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Cybele Services

Sheet: /CymBOX-RF/

File: CymBOX-RF.sch

Title: CysBOX

Size: A4 Date: 2023-07-10

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