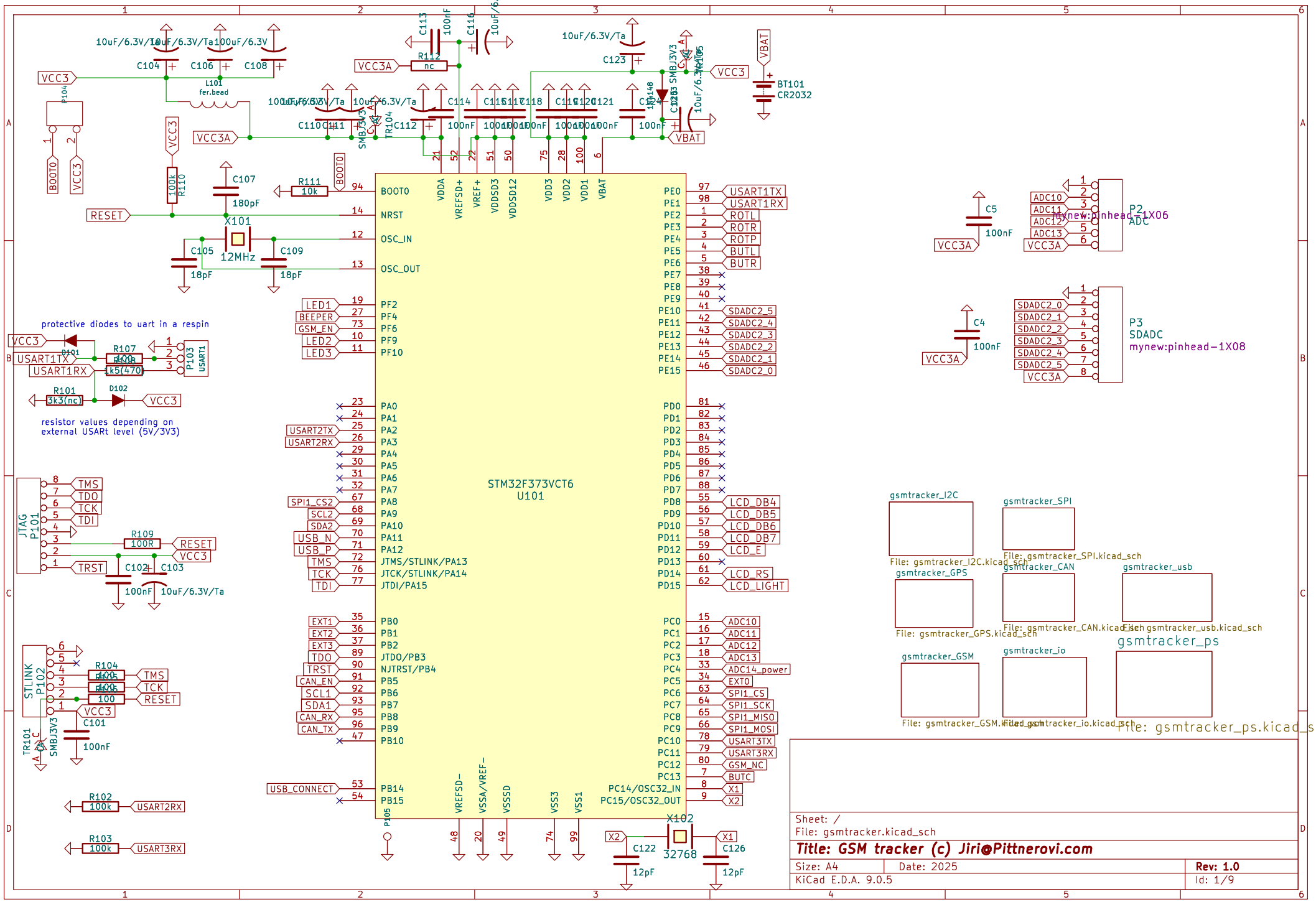

STM32F373VCT6
U101
protective diodes to uart in a respin
resistor values depending on
external USARt level (5V/3V3)
X101
12MHz
X102
32768
P2
ADC
mynew:pinhead-1X06
P3
SDADC
mynew:pinhead-1X08
JTAG
P101
STLINK
P102
gsmtracker_I2C
File: gsmtracker_I2C.kicad_sch
gsmtracker_SPI
File: gsmtracker_SPI.kicad_sch
gsmtracker_GPS
File: gsmtracker_GPS.kicad_sch
gsmtracker_CAN
File: gsmtracker_CAN.kicad_sch
gsmtracker_usb
File: gsmtracker_usb.kicad_sch
gsmtracker_ps
gsmtracker_GSM
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gsmtracker_io
File: gsmtracker_io.kicad_sch
File: gsmtracker_ps.kicad_sch
Sheet: /
File: gsmtracker.kicad_sch
Title: GSM tracker (c) Jiri@Pittnerovi.com
Size: A4
Date: 2025
Rev: 1.0
KiCad E.D.A. 9.0.5
Id: 1/9

do not occupy pullups if they are already present on a connected module

R801 2k2 VCC3 SDA1

R802 2k2 VCC3 SCL1

VCC3 C801 100nF C803 10uF/5V/Ta SCL1 SDA1 P801 HMC5883

VCC3 C802 100nF C805 10uF/5V/Ta SCL1 SDA1 P802 BMP180

U801 24LC64 VCC3 C804 100nF A0 A1 A2 GND VCC SDA SCL WP SDA1 SCL1

SDA1 SCL1 P803 I2C3V VCC3 C806 100nF

VCC3 C807 100nF SDA1 SCL1 P804 BMI088

BMI088 module has too slow level shifter and had to be stripped back to 3V3 operation

do not occupy pullups if they are already present on a connected module

R803 3k3 VCC5 SDA2

R804 3k3 VCC5 SCL2

VCC5 C808 100nF C811 10uF/5V/Ta SCL2 SDA2 P806 unused

VCC5 C809 100nF C813 10uF/5V/Ta SDA2 SCL2 P807 AM2320

SDA2 SCL2 P805 I2C5V VCC5 C810 100nF

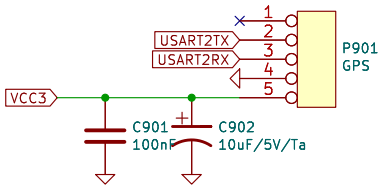
SDA2 SCL2 P808 I2C5V VCC5 C812 100nF

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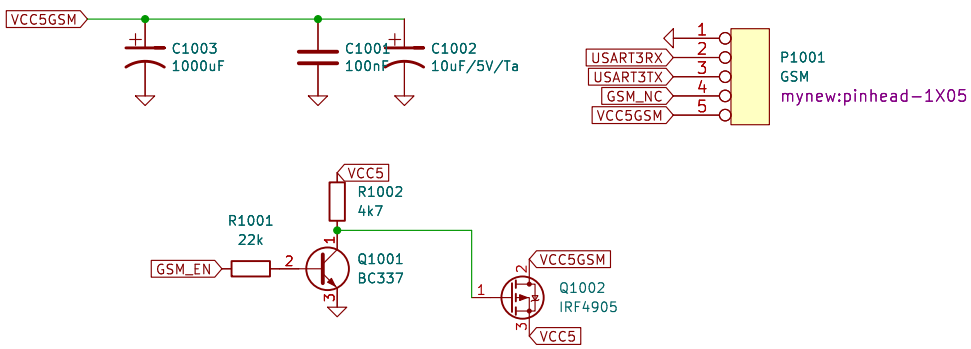
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Size: A4 | Date: | **Rev:**

KiCad E.D.A. 9.0.5 | Id: 2/9



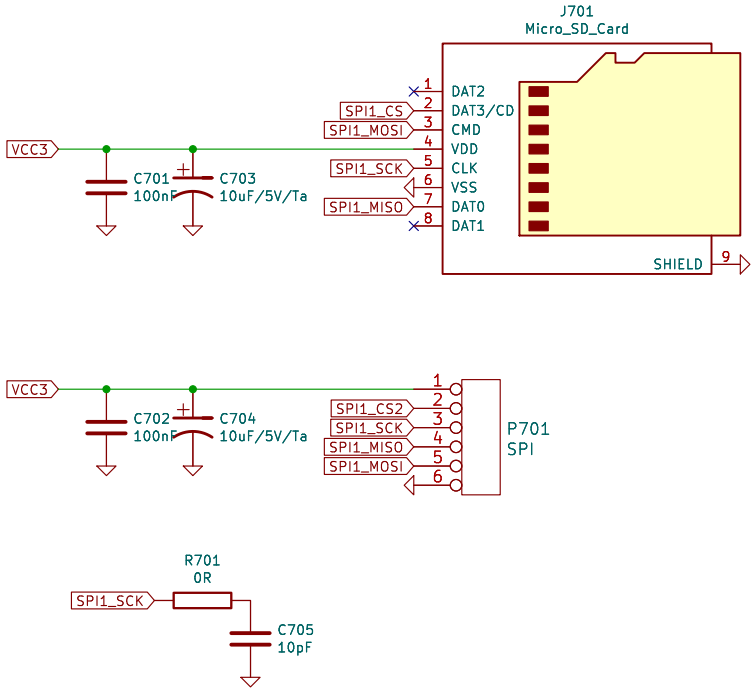
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KiCad E.D.A. 9.0.5		Id: 3/9



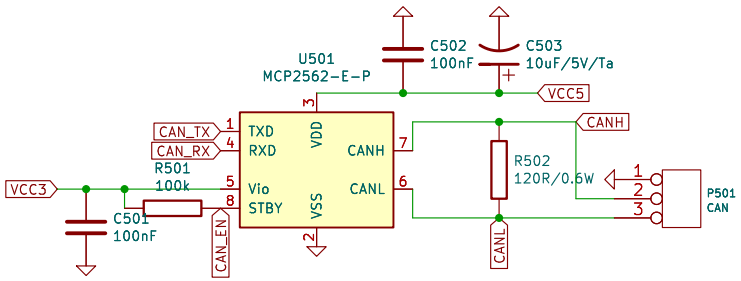
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Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.5		Id: 4/9



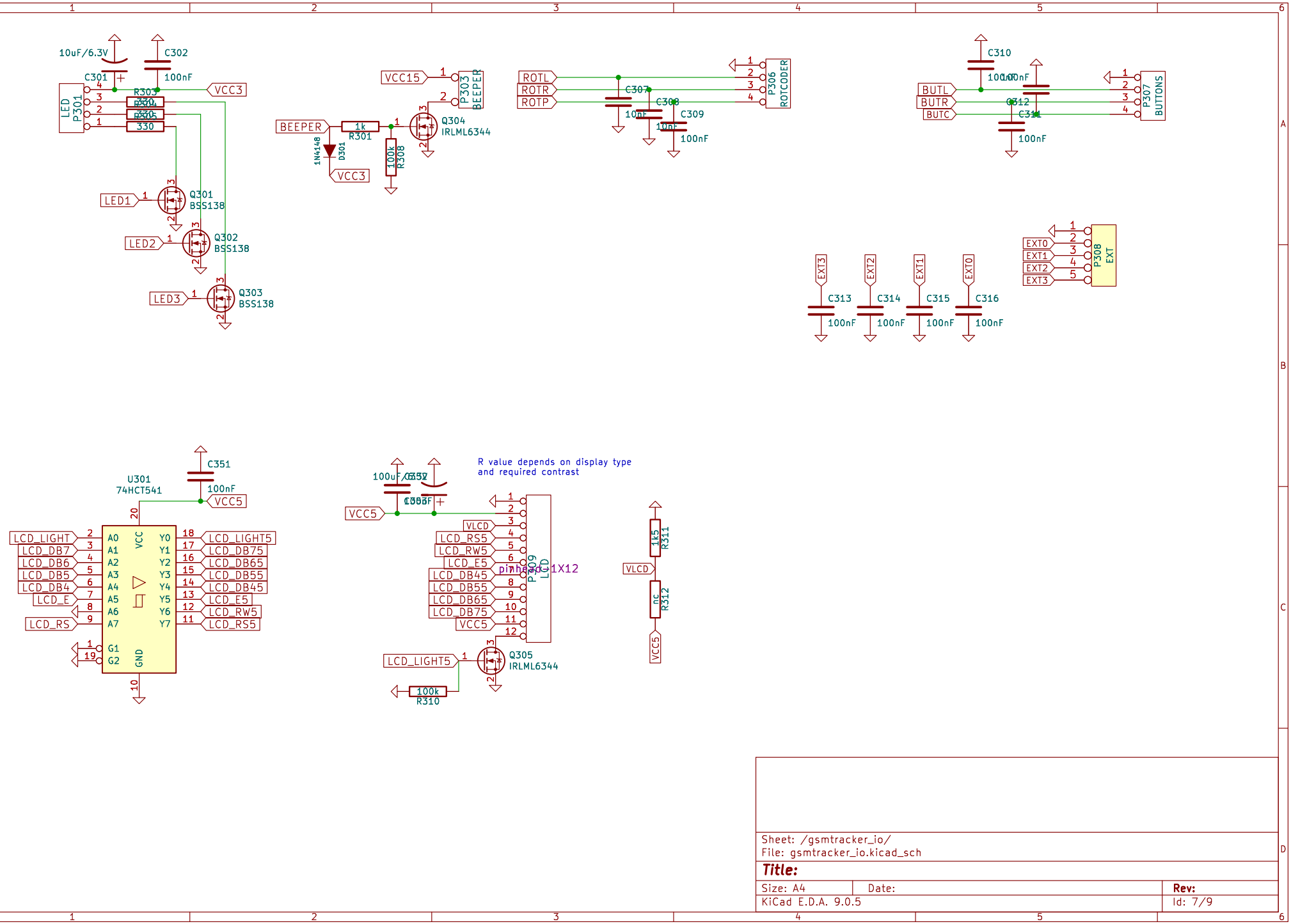
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Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.5		Id: 5/9



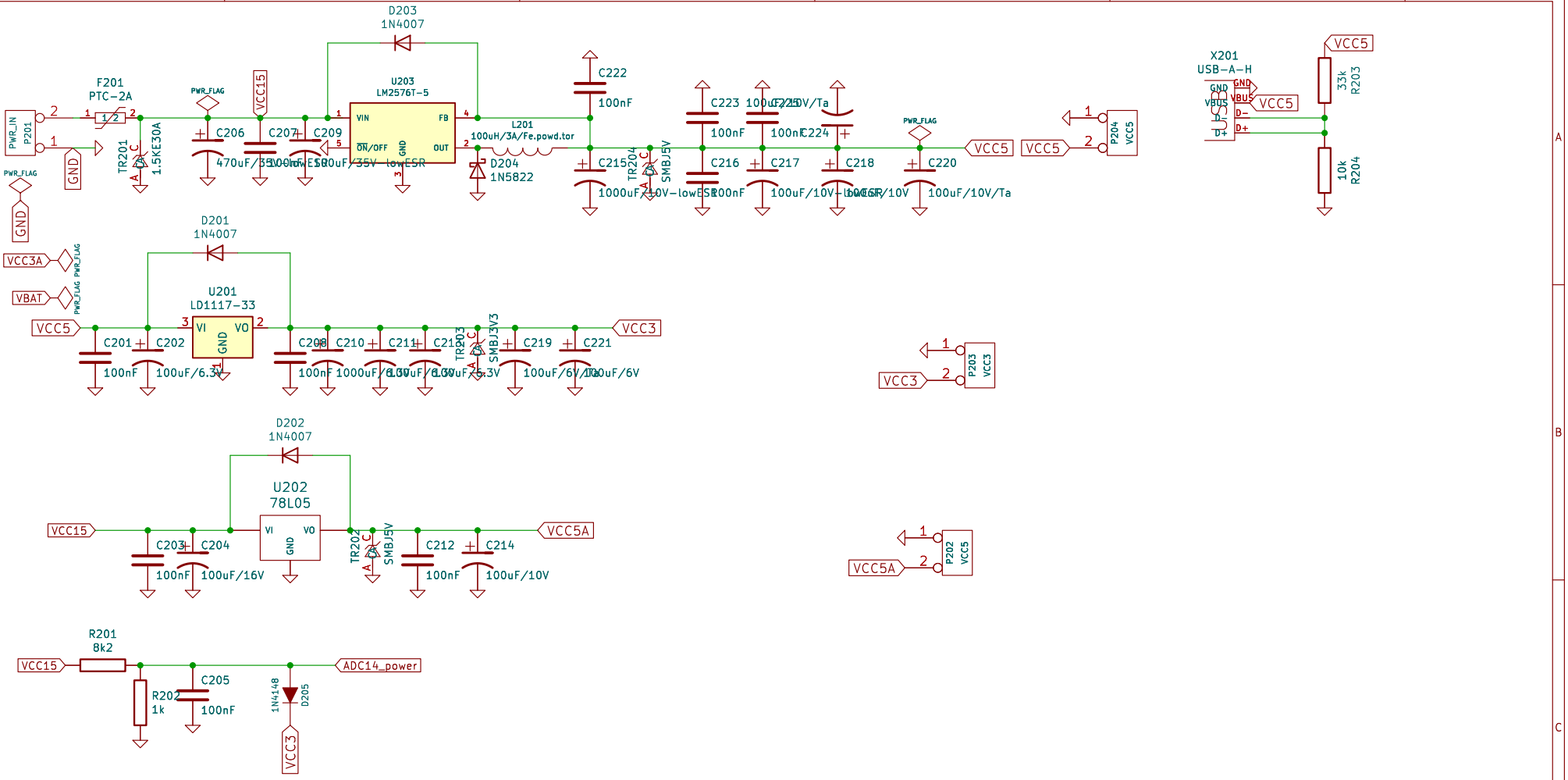
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Title:

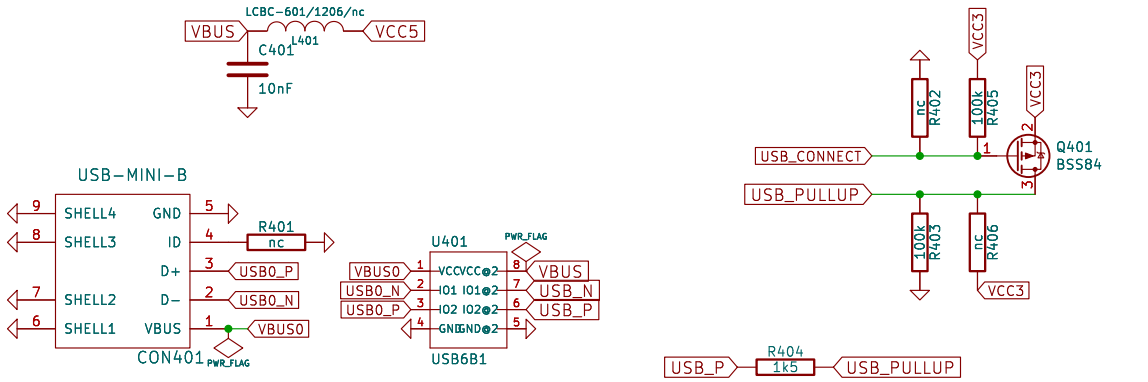
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.5		Id: 6/9



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Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.5		Id: 7/9



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Title:		
Size: A4	Date: 4 feb 2015	**Rev: 1.2**
KiCad E.D.A. 9.0.5		Id: 8/9



Pullup resistor has to be present, otherwise the device will not be recognized by USB host and enumeration will not be started. pullup at DM indicates low speed, at DP full speed. Optionally the pullup can be software-switchable, to force new enumeration of USB while the firmware is running

Sheet: /gsmtracker_usb/ File: gsmtracker_usb.kicad_sch		
Title:		
Size: A4	Date: 6 dec 2018	**Rev:**
KiCad E.D.A. 9.0.5		Id: 10/9