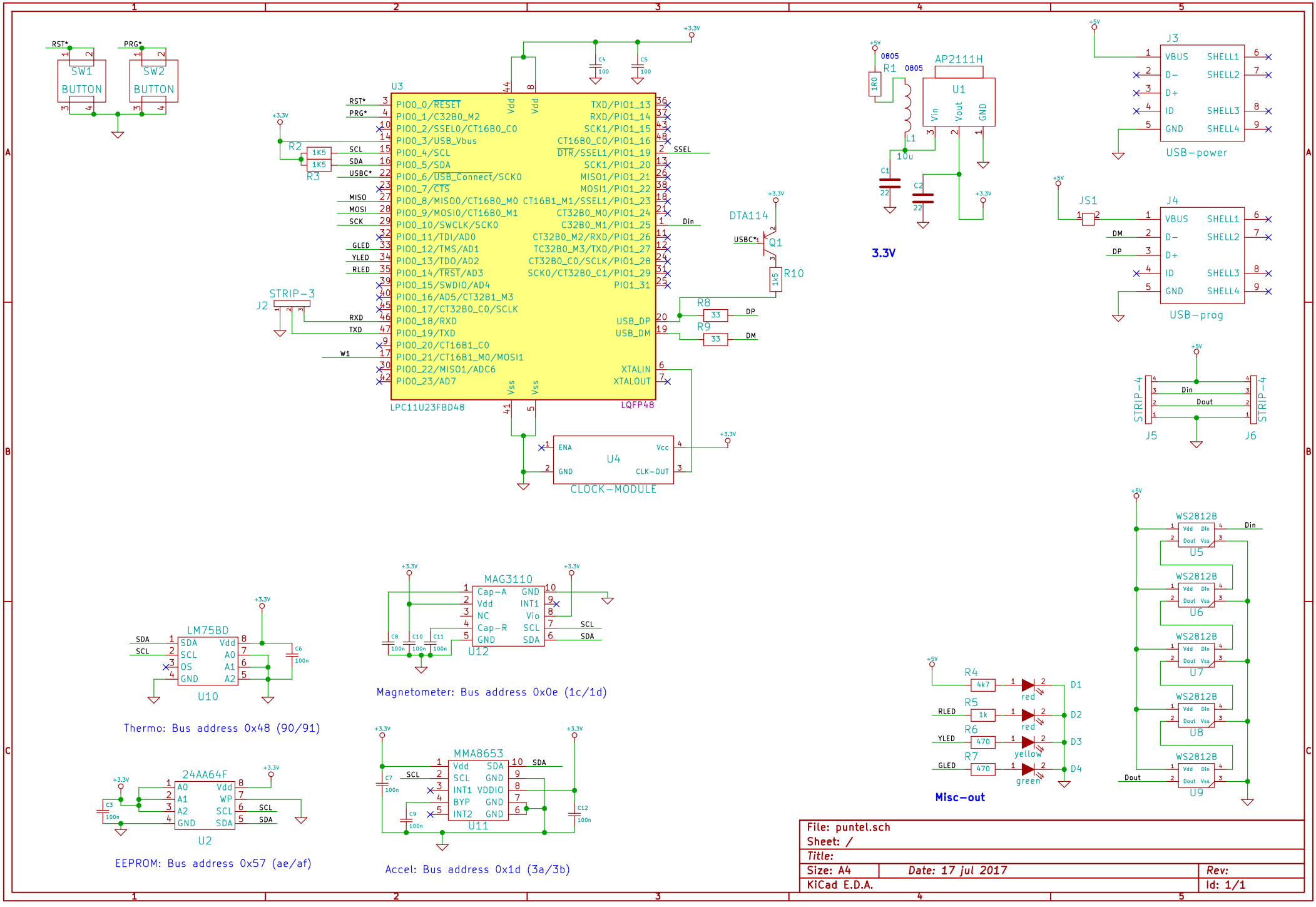
SW1 BUTTON
SW2 BUTTON
RST*
PRG*
U3
LPC11U23FBD48
LQFP48
PIO0_0/RESET
PIO0_1/C32B0_M2
PIO0_2/SSEL0/CT16B0_C0
PIO0_3/USB_Vbus
PIO0_4/SCL
PIO0_5/SDA
PIO0_6/USB_Connect/SCK0
PIO0_7/CTS
PIO0_8/MISO0/CT16B0_M0
PIO0_9/MOSI0/CT16B0_M1
PIO0_10/SWCLK/SCK0
PIO0_11/TDI/AD0
PIO0_12/TMS/AD1
PIO0_13/TDO/AD2
PIO0_14/TRST/AD3
PIO0_15/SWDIO/AD4
PIO0_16/AD5/CT32B1_M3
PIO0_17/CT32B0_C0/SCLK
PIO0_18/RXD
PIO0_19/TXD
PIO0_20/CT16B1_C0
PIO0_21/CT16B1_M0/MOSI1
PIO0_22/MISO1/ADC6
PIO0_23/AD7
TXD/PIO1_13
RXD/PIO1_14
SCK1/PIO1_15
CT16B0_C0/PIO1_16
DTR/SSEL1/PIO1_19
SCK1/PIO1_20
MISO1/PIO1_21
MOSI1/PIO1_22
CT16B1_M1/SSEL1/PIO1_23
CT32B0_M0/PIO1_24
C32B0_M1/PIO1_25
CT32B0_M2/RXD/PIO1_26
TC32B0_M3/TXD/PIO1_27
CT32B0_C0/SCLK/PIO1_28
SCK0/CT32B0_C1/PIO1_29
PIO1_31
USB_DP
USB_DM
XTALIN
XTALOUT
Vdd
Vss
SCL
SDA
USBC*
MISO
MOSI
SCK
GLED
YLED
RLED
RXD
TXD
W1
SSEL
Din
DP
DM
R2 1K5
R3 1K5
R8 33
R9 33
R10 1k5
DTA114
Q1
C4 100
C5 100
U4 CLOCK-MODULE
ENA
GND
Vcc
CLK-OUT
STRIP-3
J2
AP2111H
U1
Vin
Vout
GND
R1 1R0
L1 10u
C1 22
C2 22
3.3V
J3
VBUS
D-
D+
ID
GND
SHELL1
SHELL2
SHELL3
SHELL4
USB-power
JS1
J4
USB-prog
STRIP-4
J5
J6
Din
Dout
WS2812B
U5
U6
U7
U8
U9
LM75BD
U10
SDA
SCL
OS
A0
A1
A2
C6 100n
Thermo: Bus address 0x48 (90/91)
MAG3110
U12
Cap-A
Cap-R
INT1
Vio
C8 100n
C10 100n
C11 100n
Magnetometer: Bus address 0x0e (1c/1d)
24AA64F
U2
WP
C3 100n
EEPROM: Bus address 0x57 (ae/af)
MMA8653
U11
INT1
INT2
BYP
VDDIO
C7 100n
C9 100n
C12 100n
Accel: Bus address 0x1d (3a/3b)
R4 4k7
R5 1k
R6 470
R7 470
red
yellow
green
D1
D2
D3
D4
Misc-out
File: puntel.sch
Sheet: /
Title:
Size: A4
Date: 17 jul 2017
Rev:
KiCad E.D.A.
Id: 1/1