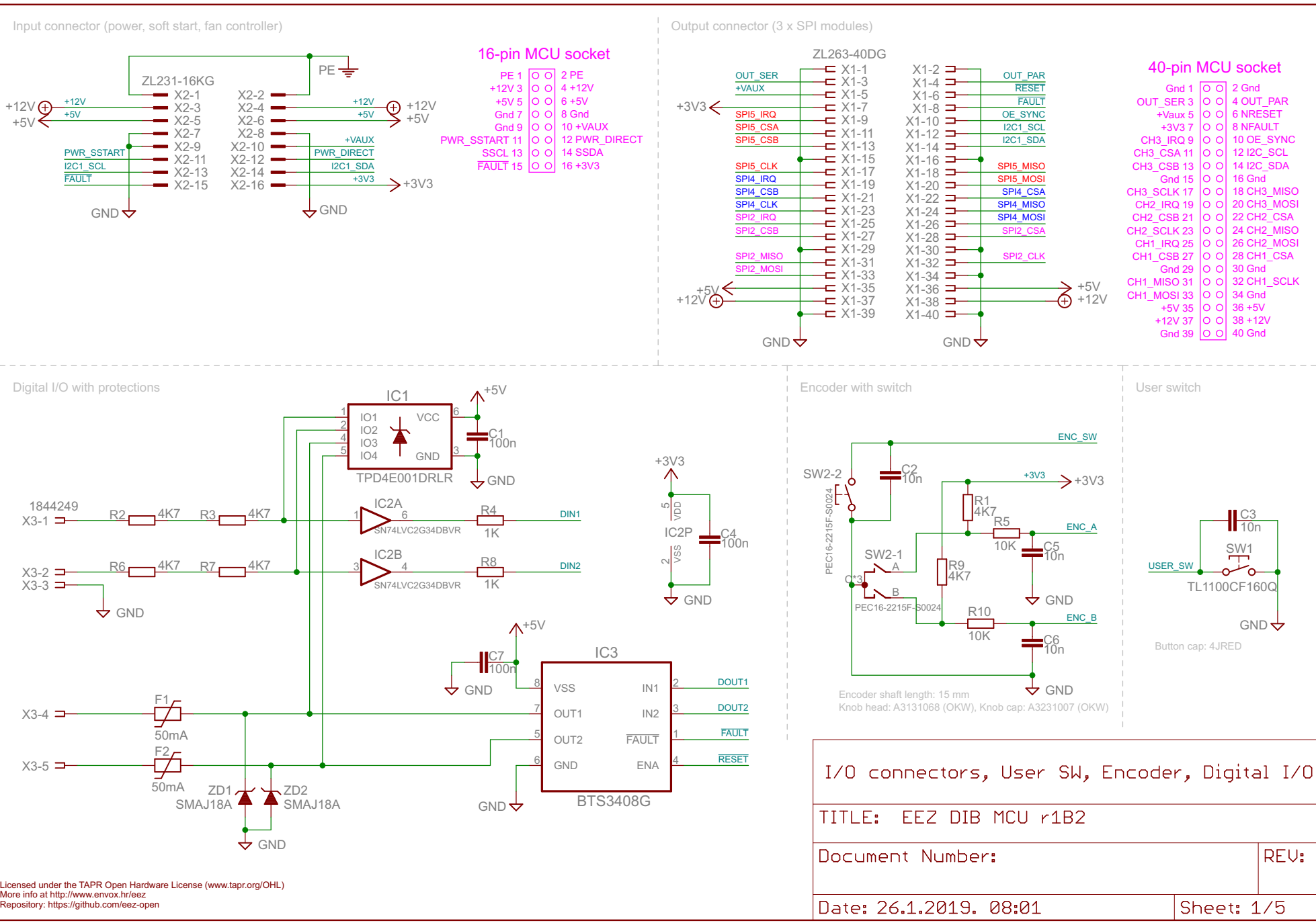
Input connector (power, soft start, fan controller)
ZL231-16KG
PE
+12V
+5V
X2-1
X2-3
X2-5
X2-7
X2-9
X2-11
X2-13
X2-15
X2-2
X2-4
X2-6
X2-8
X2-10
X2-12
X2-14
X2-16
PWR_SSTART
I2C1_SCL
FAULT
+VAUX
PWR_DIRECT
I2C1_SDA
+3V3
GND
16-pin MCU socket
PE 1
2 PE
+12V 3
4 +12V
+5V 5
6 +5V
Gnd 7
8 Gnd
Gnd 9
10 +VAUX
PWR_SSTART 11
12 PWR_DIRECT
SSCL 13
14 SSDA
FAULT 15
16 +3V3
Output connector (3 x SPI modules)
ZL263-40DG
OUT_SER
+VAUX
SPI5_IRQ
SPI5_CSA
SPI5_CSB
SPI5_CLK
SPI4_IRQ
SPI4_CSB
SPI4_CLK
SPI2_IRQ
SPI2_CSB
SPI2_MISO
SPI2_MOSI
OUT_PAR
RESET
FAULT
OE_SYNC
I2C1_SCL
I2C1_SDA
SPI5_MISO
SPI5_MOSI
SPI4_CSA
SPI4_MISO
SPI4_MOSI
SPI2_CSA
SPI2_CLK
40-pin MCU socket
Gnd 1
2 Gnd
OUT_SER 3
4 OUT_PAR
+Vaux 5
6 NRESET
+3V3 7
8 NFAULT
CH3_IRQ 9
10 OE_SYNC
CH3_CSA 11
12 I2C_SCL
CH3_CSB 13
14 I2C_SDA
Gnd 15
16 Gnd
CH3_SCLK 17
18 CH3_MISO
CH2_IRQ 19
20 CH3_MOSI
CH2_CSB 21
22 CH2_CSA
CH2_SCLK 23
24 CH2_MISO
CH1_IRQ 25
26 CH2_MOSI
CH1_CSB 27
28 CH1_CSA
Gnd 29
30 Gnd
CH1_MISO 31
32 CH1_SCLK
CH1_MOSI 33
34 Gnd
+5V 35
36 +5V
+12V 37
38 +12V
Gnd 39
40 Gnd
Digital I/O with protections
IC1
TPD4E001DRLR
IO1
IO2
IO3
IO4
VCC
GND
C1
100n
1844249
X3-1
X3-2
X3-3
R2
R3
R6
R7
4K7
IC2A
IC2B
SN74LVC2G34DBVR
R4
R8
1K
DIN1
DIN2
IC2P
C4
X3-4
X3-5
F1
F2
50mA
ZD1
ZD2
SMAJ18A
C7
IC3
BTS3408G
VSS
OUT1
OUT2
GND
IN1
IN2
FAULT
ENA
DOUT1
DOUT2
RESET
Encoder with switch
SW2-2
PEC16-2215F-S0024
C2
10n
ENC_SW
ENC_A
ENC_B
R1
R5
10K
C5
C6
SW2-1
R9
R10
C3
Encoder shaft length: 15 mm
Knob head: A3131068 (OKW), Knob cap: A3231007 (OKW)
User switch
SW1
USER_SW
TL1100CF160Q
Button cap: 4JRED
I/O connectors, User SW, Encoder, Digital I/O
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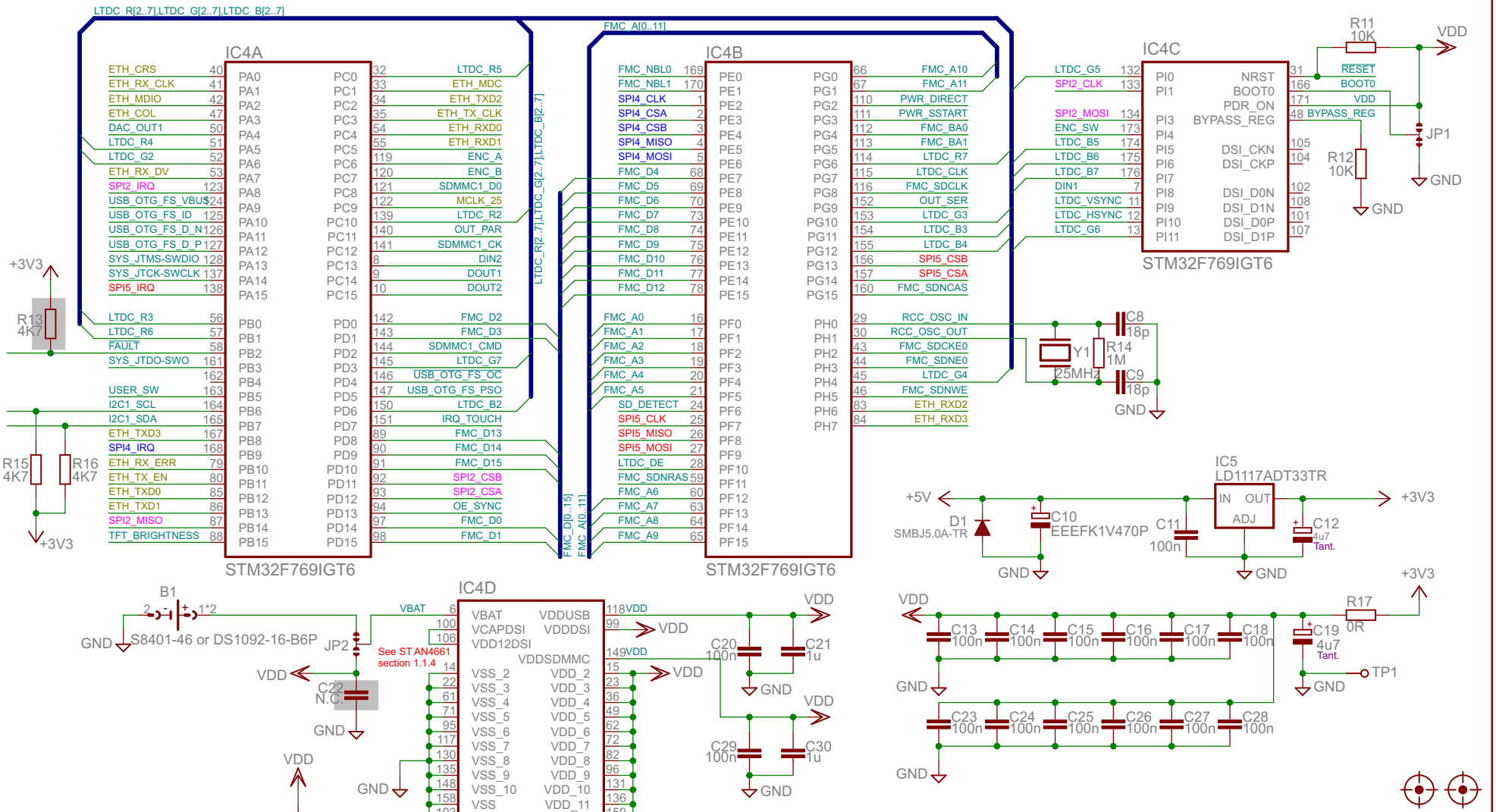
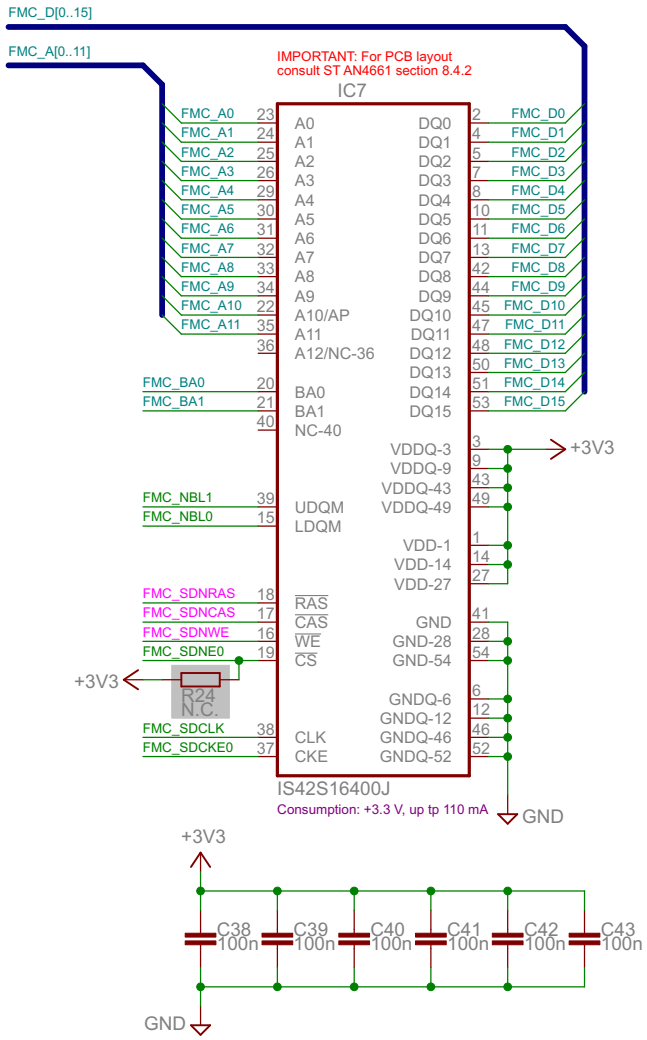
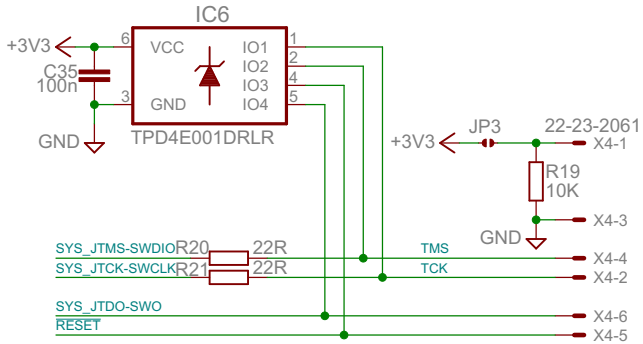
Repository: https://github.com/eez-open



SDRAM

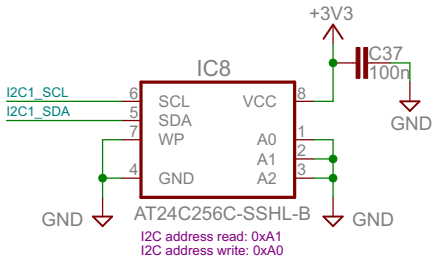


JTAG (SWD)

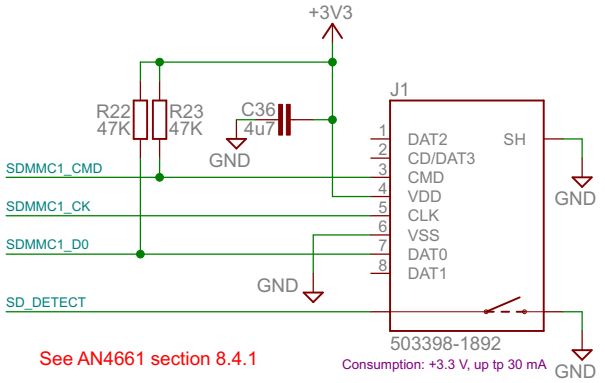


STM-32 board SWD header

I2C EEPROM



Micro SD card socket



SDRAM, JTAG, I2C EEPROM, SD Card

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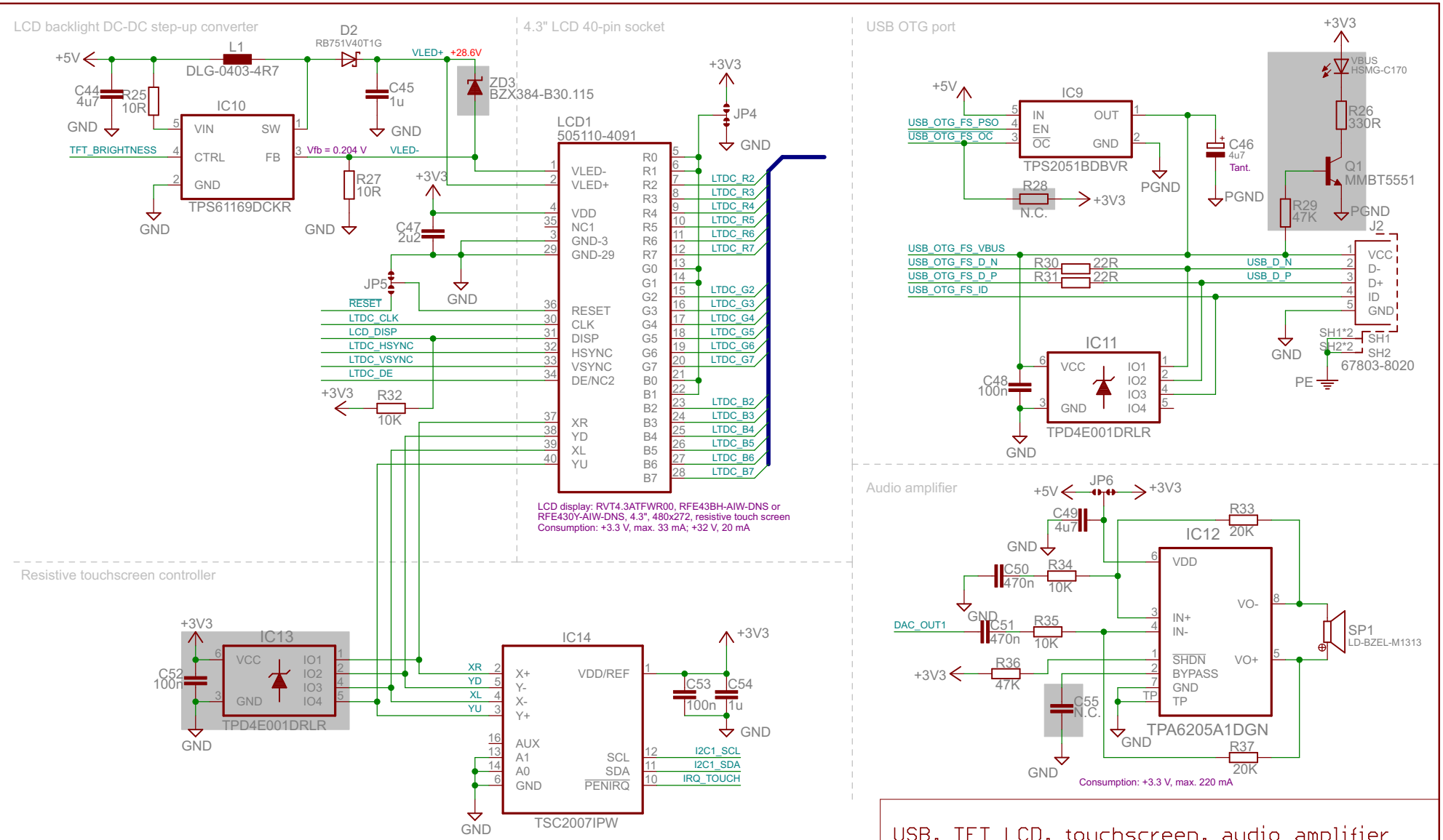

USB, TFT LCD, touchscreen, audio amplifier

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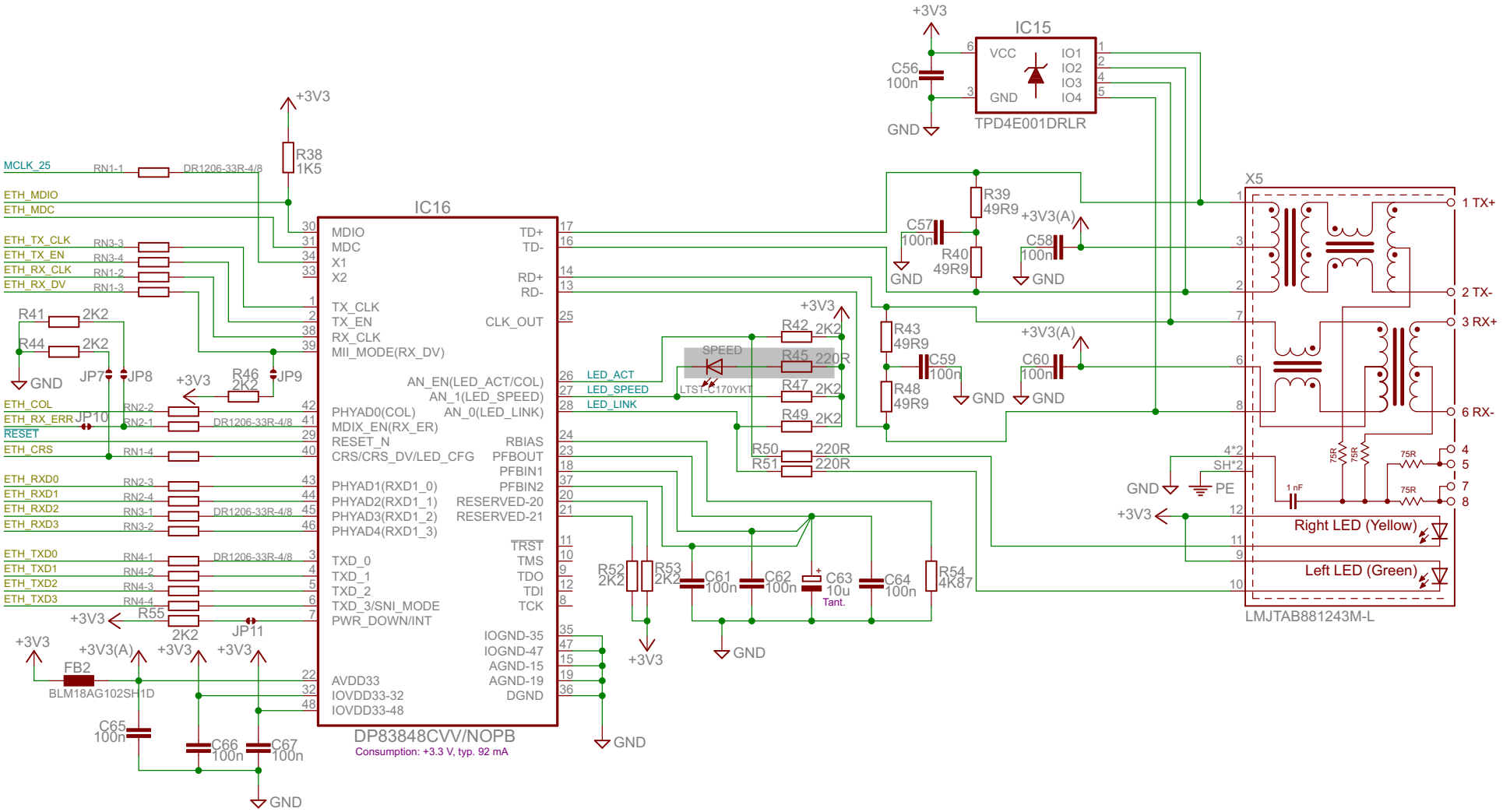

Ethernet PHY

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