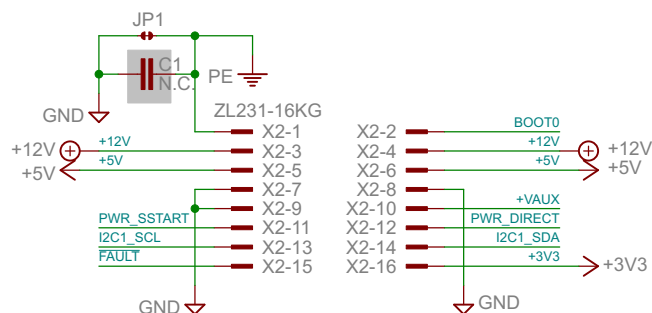


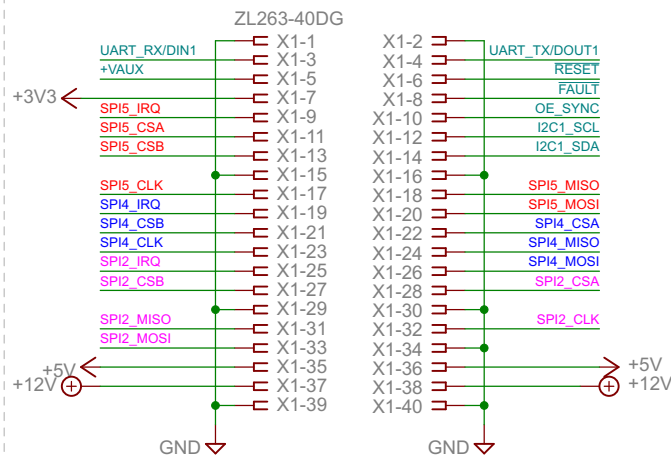
Input connector (power, soft start, fan controller)



16-pin DIB AUX PS socket

PE 1	2 MBOOT
+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

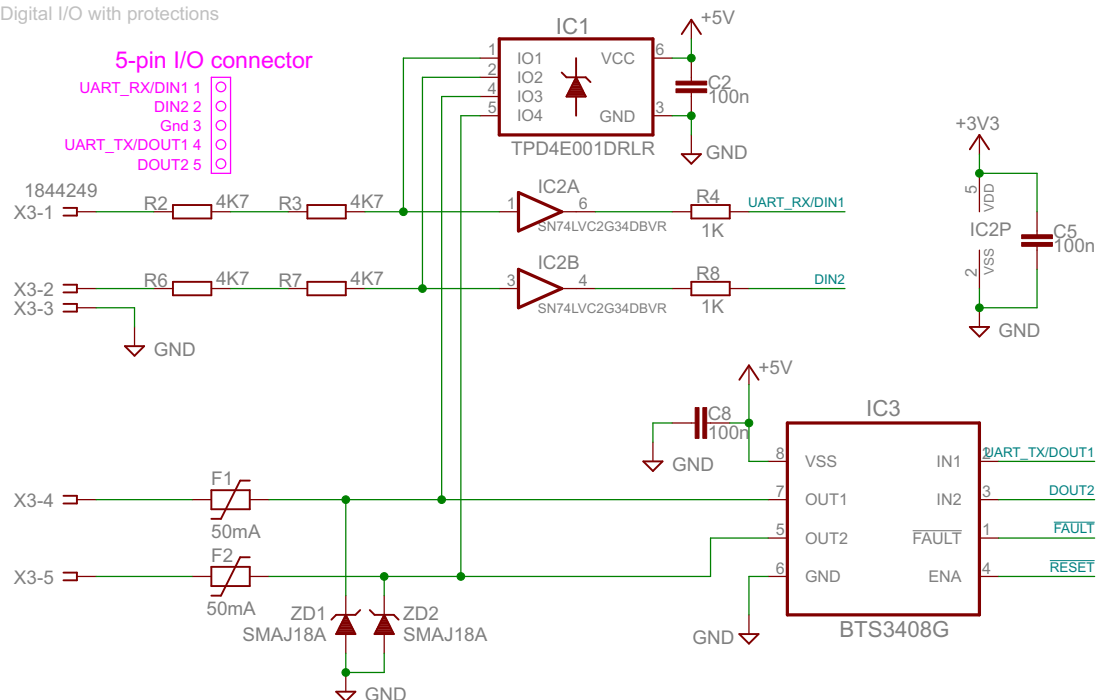
Output connector (3 x SPI modules)



40-pin DIB backplane socket

Gnd 1	2 Gnd
UART_RX 3	4 UART_TX
+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

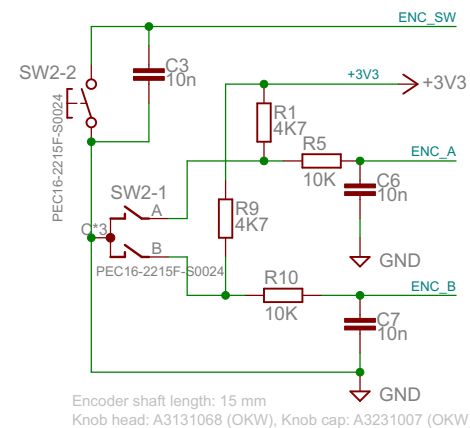
Digital I/O with protections



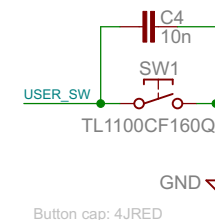
5-pin I/O connector

UART_RX/DIN1 1	2
DIN2 2	3
Gnd 3	4
UART_TX/DOUT1 4	5
DOUT2 5	6

Encoder with switch



User switch



I/O connectors, User SW, Encoder, Digital I/O

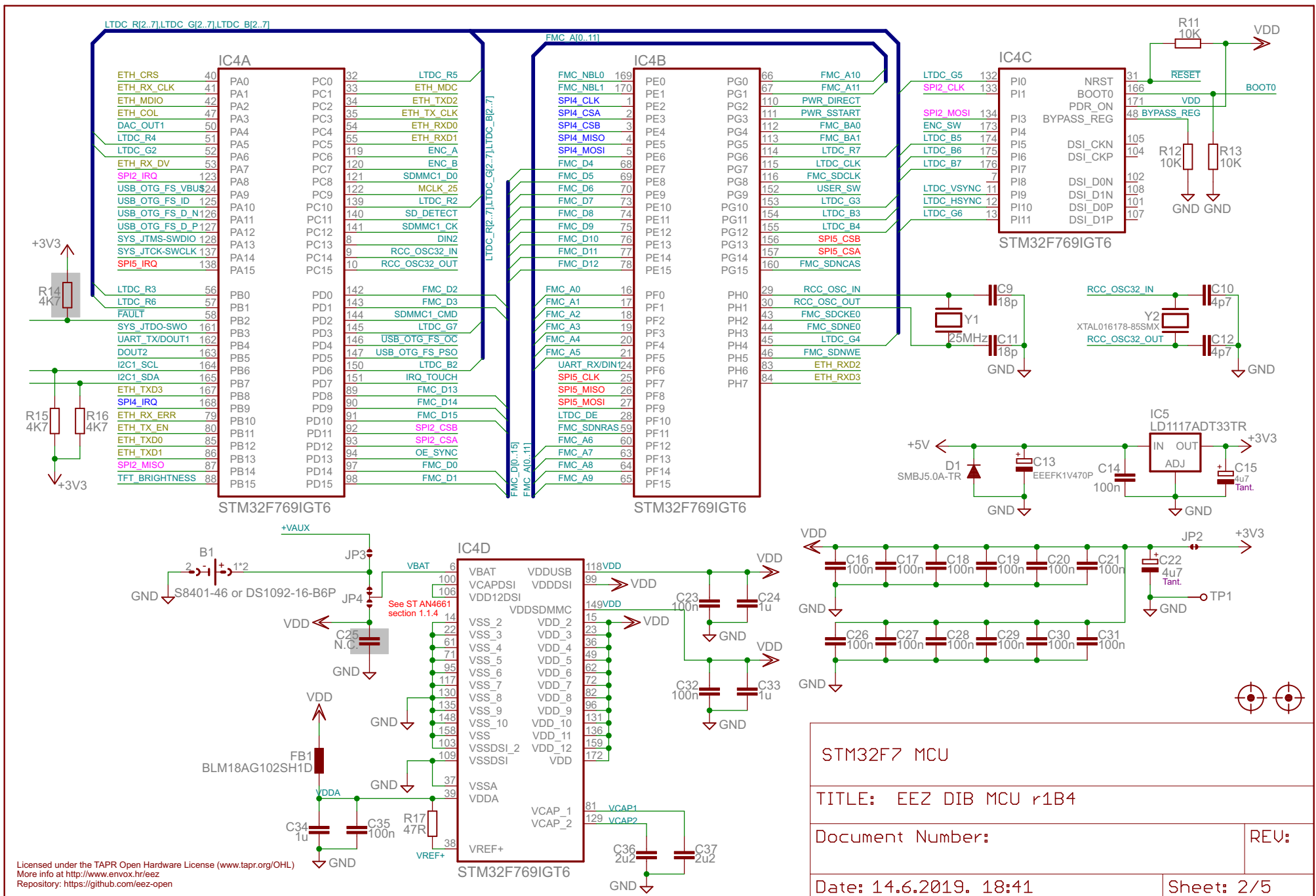
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STM32F7 MCU

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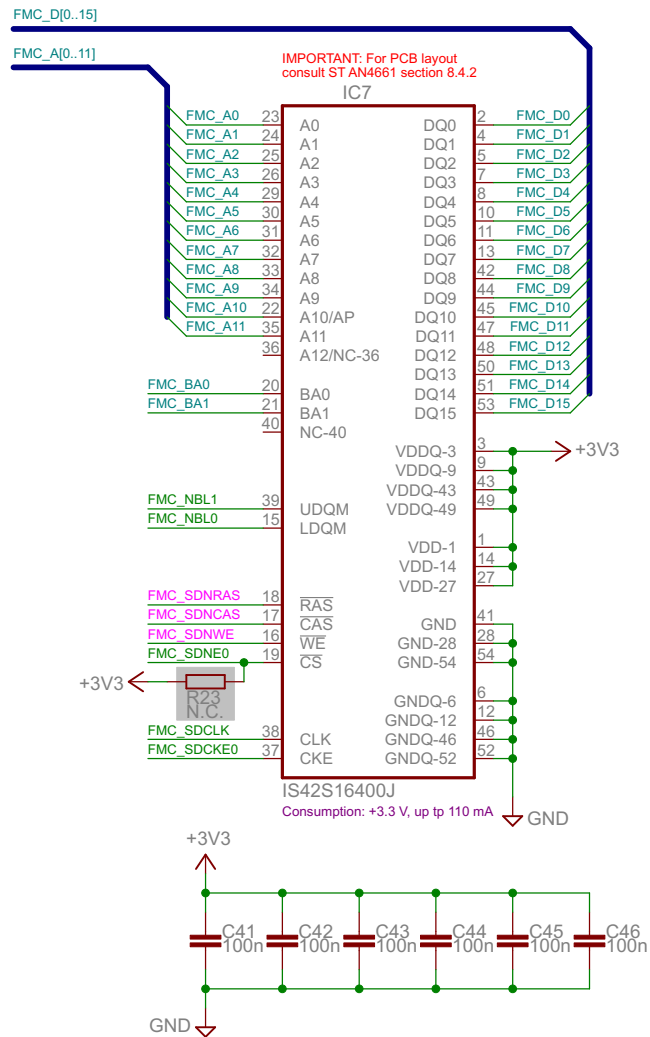
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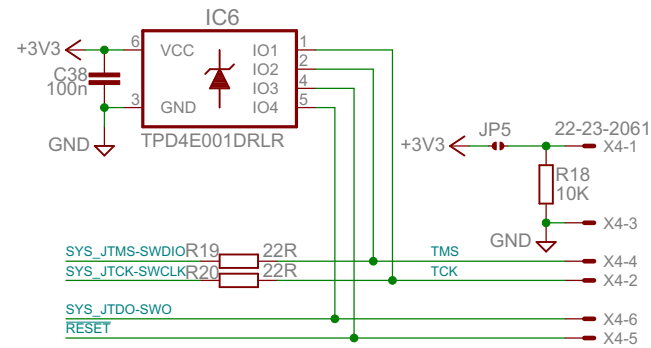
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SDRAM



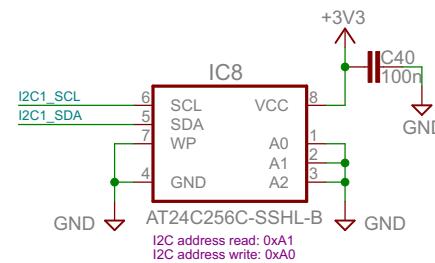
JTAG (SWD)



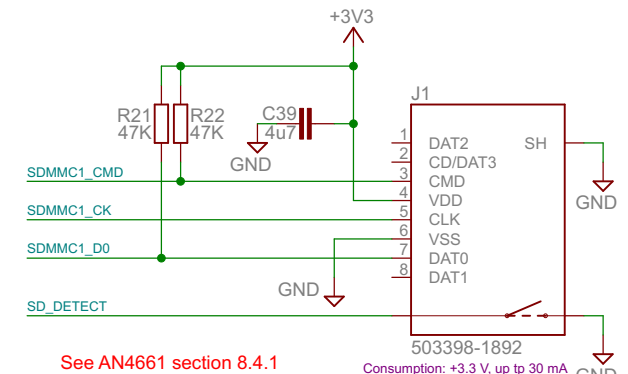
STM-32 board SWD header

Vdd target	1	○
SWCLK	2	○
Gnd	3	○
SWDIO	4	○
NRST	5	○
SWO	6	○

I2C EEPROM



Micro SD card socket



SDRAM, JTAG, I2C EEPROM, SD Card

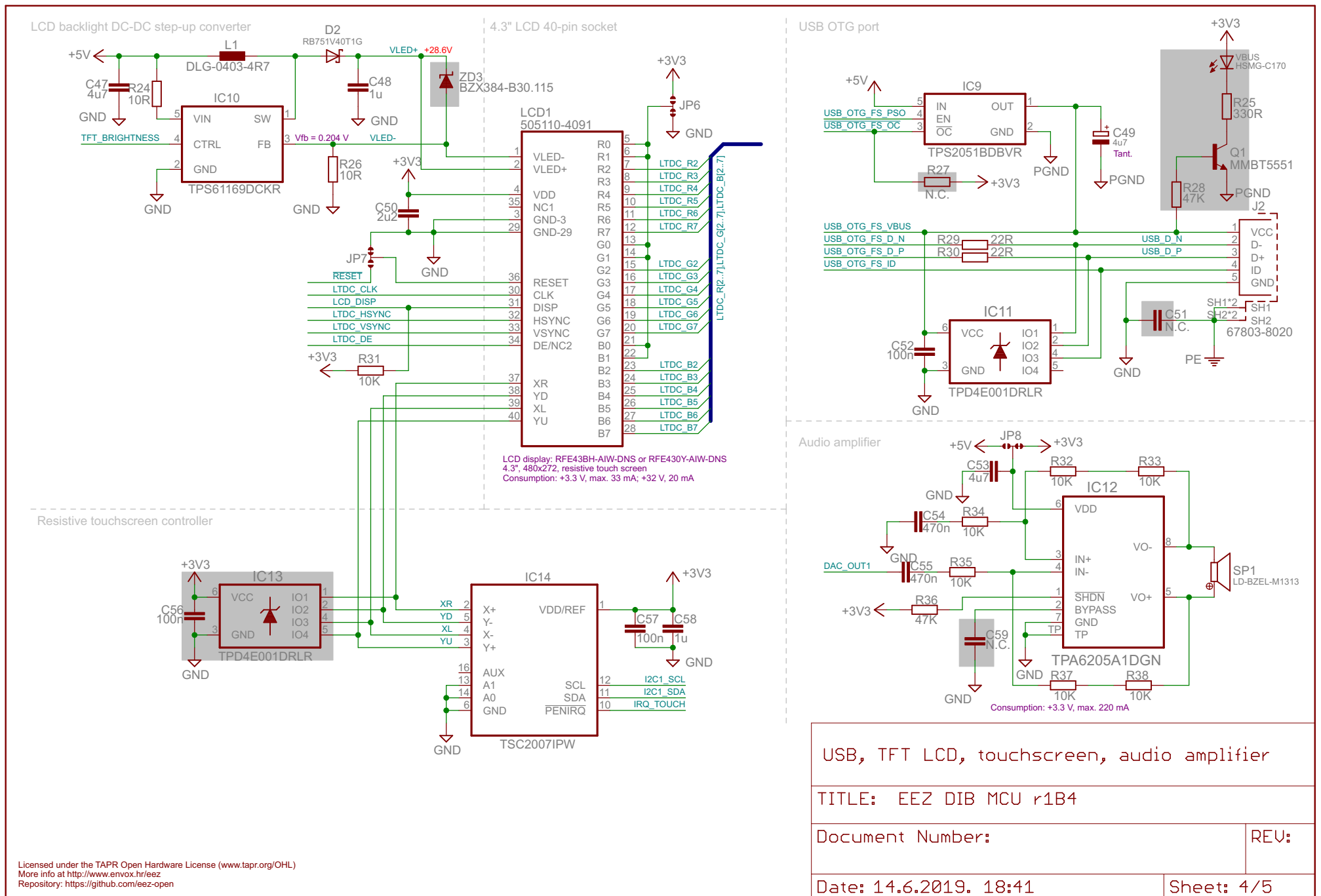
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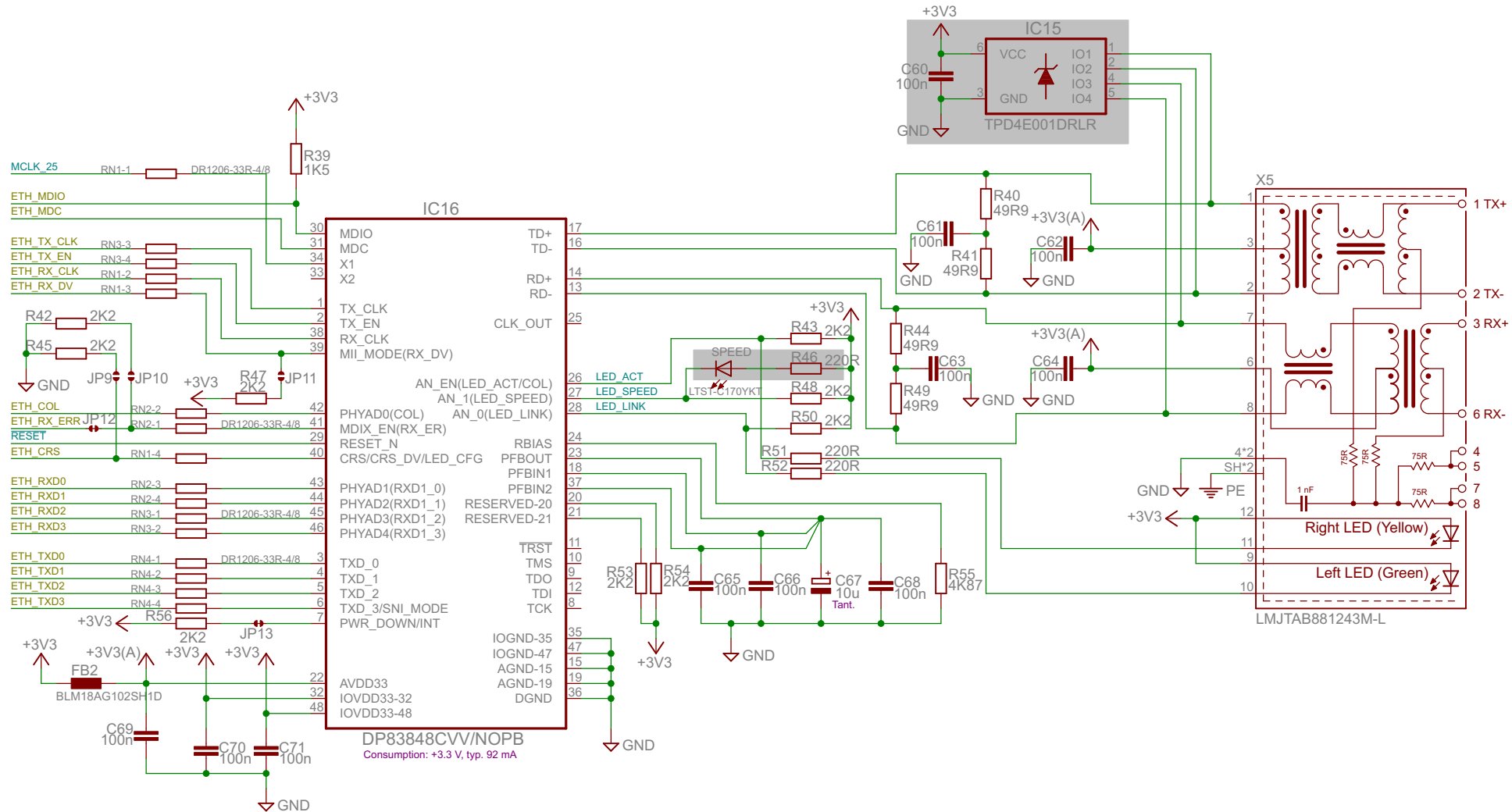
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Ethernet PHY

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