

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_SSTART1 11	12 PWR_DIRECT
SSCL 13	14 SSDA
FAULT 15	16 +3V3

ZL263-40DG

Pin	Signal	Pin	Signal
X1-1	OUT_SER	X1-2	
X1-3	+VAUX	X1-4	OUT_PAR
X1-5		X1-6	RESET
X1-7		X1-8	FAULT
X1-9	SPI5_IRQ	X1-10	OE_SYNC
X1-11	SPI5_CSA	X1-12	I2C1_SCL
X1-13	SPI5_CSB	X1-14	I2C1_SDA
X1-15		X1-16	
X1-17	SPI5_CLK	X1-18	SPI5_MISO
X1-19	SPI4_IRQ	X1-20	SPI5_MOSI
X1-21	SPI4_CSB	X1-22	SPI4_CSA
X1-23	SPI4_CLK	X1-24	SPI4_MISO
X1-25	SPI2_IRQ	X1-26	SPI4_MOSI
X1-27	SPI2_CSB	X1-28	SPI2_CSA
X1-29		X1-30	
X1-31	SPI2_MISO	X1-32	SPI2_CLK
X1-33	SPI2_MOSI	X1-34	
X1-35		X1-36	
X1-37		X1-38	
X1-39		X1-40	

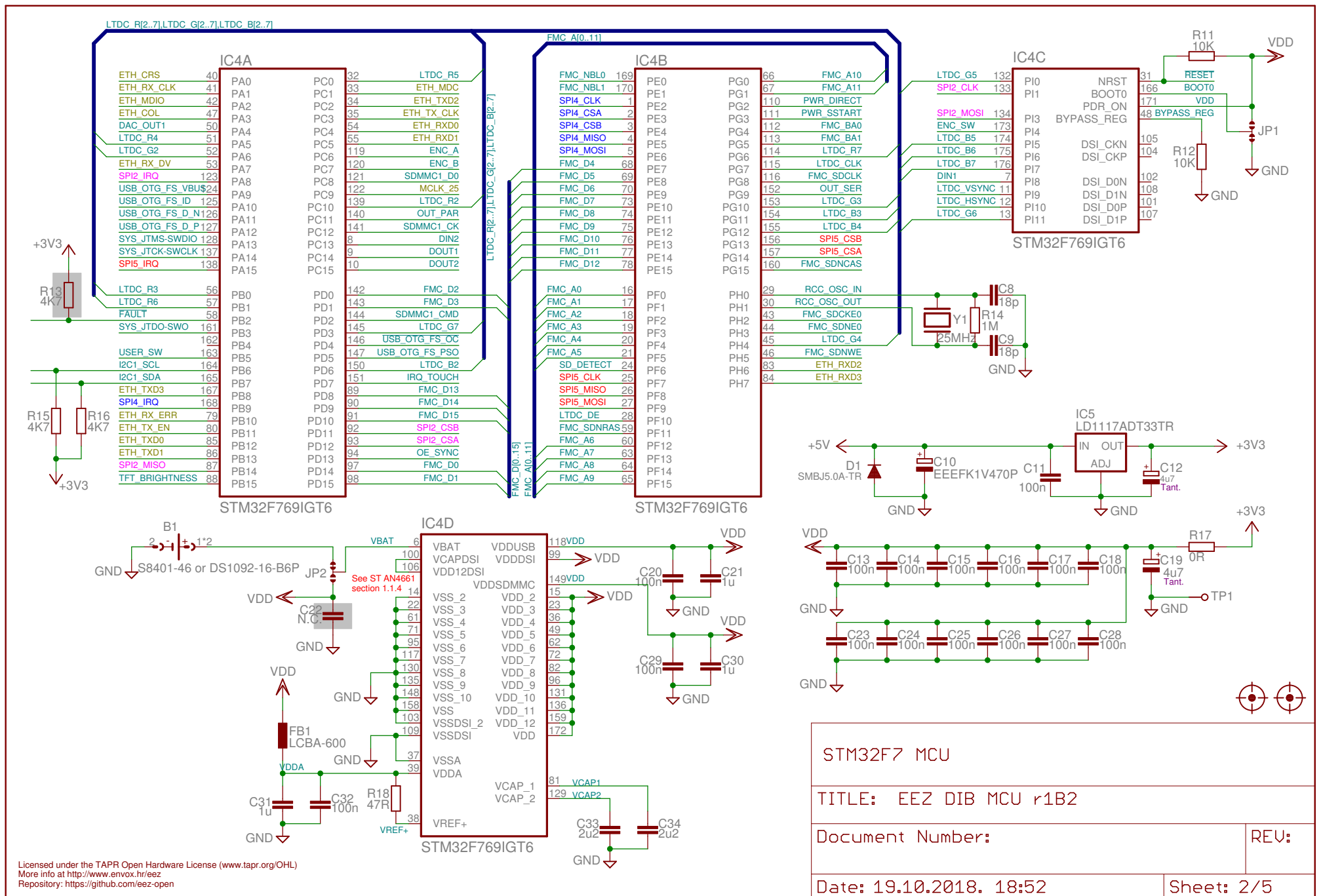
40-pin MCU socket

Pin	Signal	Pin	Signal
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_CS_A 11		12 I2C_SCL	
CH3_CS_B 13		14 I2C_SDA	
Gnd 15		16 Gnd	
CH3_SCLK 17		18 CH3_MISO	
CH2_IRQ 19		20 CH3_MOSI	
CH2_CS 21		22 CH2_CSA	
CH2_SCLK 23		24 CH2_MISO	
CH1_IRQ 25		26 CH2_MOSI	
CH1_CS_B 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	

Encoder shaft length: 15 mm
 Knob head: A3131068 (OKW), Knob cap: A3231007 (OKW)

Button cap: 4JRED

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STM32F7 MCU

TITLE: EEZ DIB MCU r1B2

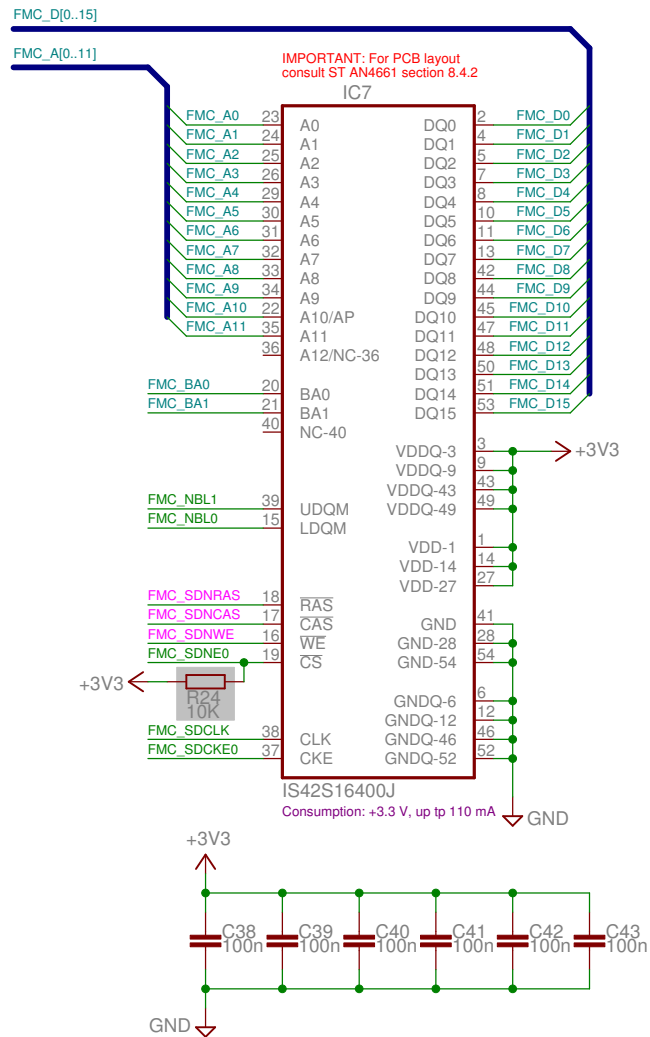
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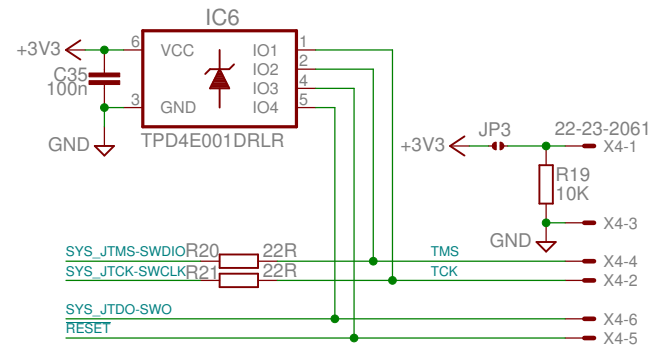
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SDRAM



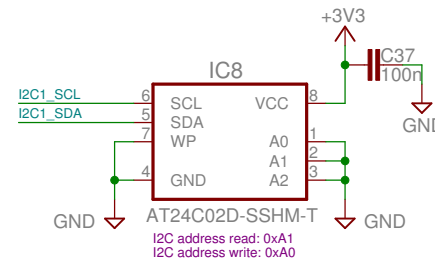
JTAG (SWD)



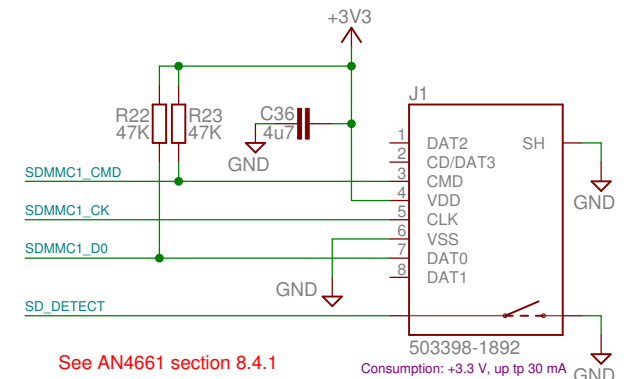
STM-32 board SWD header



I2C EEPROM



Micro SD card socket



SDRAM, JTAG, I2C EEPROM, SD Card

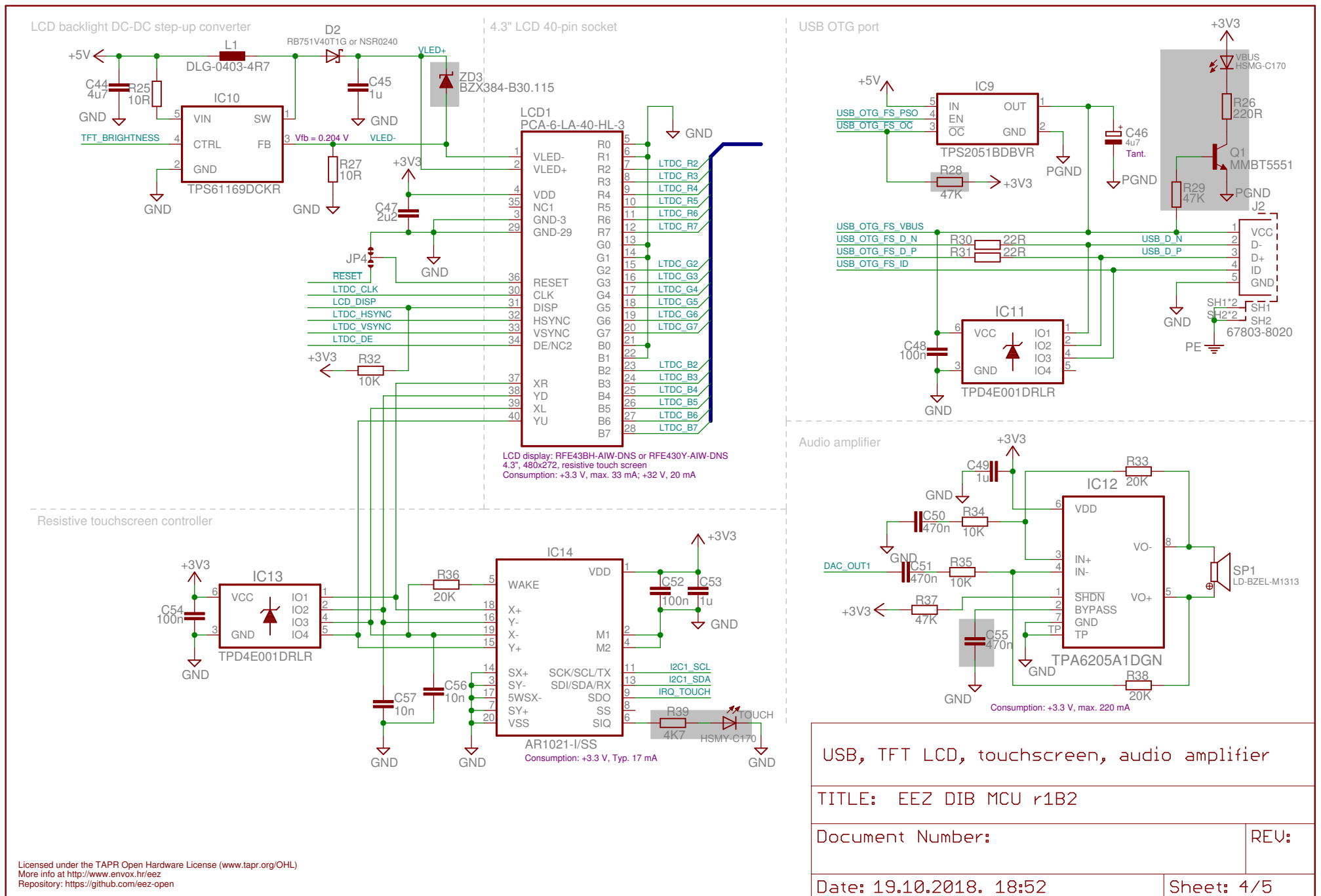
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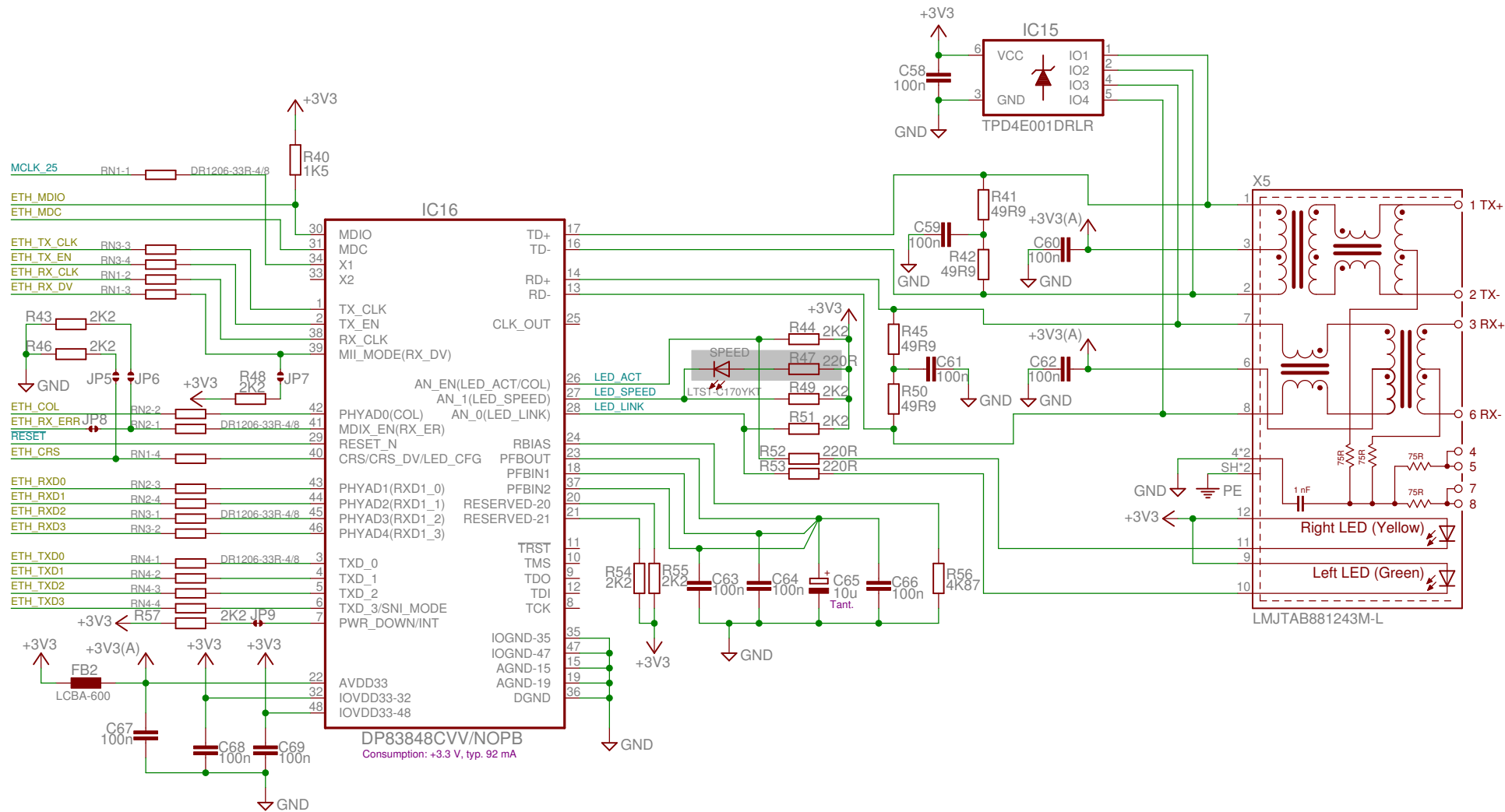
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Ethernet PHY

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