

A

A

B

B

C

C

D

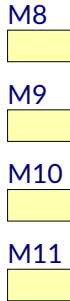
D



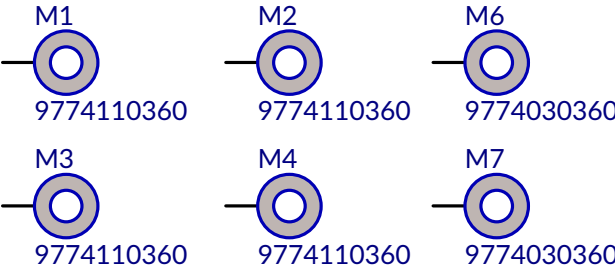
Jetson TX - mechanical model



Jetson - support standoffs



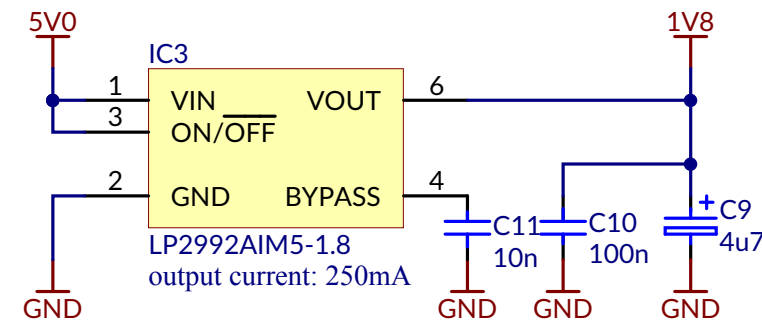
Board fastening studs



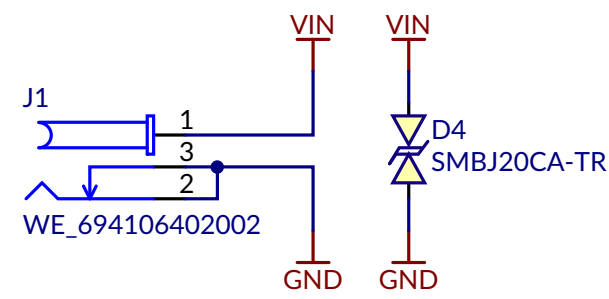
IC8C  
SEAM-50-02.0-S-08-2-A-K-TR

A14	JTAG_RTCK	LCD_TE	A25
B11	JTAG_TCK	LCD0_BKLT_PWM	B27
B12	JTAG_TCK	LCD_BKLT_EN	B28
A13	JTAG_TDI	LCD_VDD_EN	B26
A12	JTAG_TDO	TOUCH_CLK	B24
A12	JTAG_TMS		
B13	JTAG_GPO		
		DPO_AUX_CH-	B34
		DPO_AUX_CH+	B35
		DPO_HPDP0_TX0-	B36
		DPO_TX0+	H38
F1	AUDIO_MCLK	DPO_TX1-	H39
G1	I2S0_SDIN	DPO_TX1+	F37
H2	I2S0_SDOOUT	DPO_TX2-	F38
H1	I2S0_LRCLK	DPO_TX2+	G36
G2	I2S0_CLK	DPO_TX3-	G37
		DPO_TX3+	H35
			H36
C14	I2S1_SDIN		
D14	I2S1_SDOOUT	DSI0_CLK-	G34
D13	I2S1_LRCLK	DSI0_CLK+	G33
C15	I2S1_CLK	DSI0_D0-	F35
G6	I2S2_SDIN	DSI0_D0+	F34
H6	I2S2_SDOOUT	DSI0_D1-	H33
H5	I2S2_LRCLK	DSI0_D1+	H32
G5	I2S2_CLK		
E6	I2S3_CLK	DSI1_D0-	C35
F5	I2S3_LRCLK	DSI1_D0+	C34
E5	I2S3_SDIN	DSI1_D1-	E33
F6	I2S3_SDOOUT	DSI1_D1+	E32
F8	CAM1_MCLK	DSI2_CLK-	G31
F9	CAM0_MCLK	DSI2_CLK+	G30
		DSI2_D0-	F32
		DSI2_D0+	F31
A23	GPIO_EXP0_INT	DSI2_D1-	H30
A22	GPIO_EXP1_INT	DSI2_D1+	H29
		DSI3_D0-	C32
		DSI3_D0+	C31
		DSI3_D1-	E30
		DSI3_D1+	E29
		PEX1_RST#	E50
		PEX1_CLKREQ#	C47
		PEX1_REFCLK+	B45
		PEX1_REFCLK-	B46
		PEX1_RX+	H41
		PEX1_RX-	H42
		PEX1_TX+	E41
		PEX1_TX-	E42
		PEX2_RX+	F40
		PEX2_RX-	F41
		PEX2_TX+	C40
		PEX2_TX-	C41
		PEX_RFU_RX+	G39
		PEX_RFU_RX-	G40
		PEX_RFU_TX+	D39
		PEX_RFU_TX-	D40
	SoM Unused		

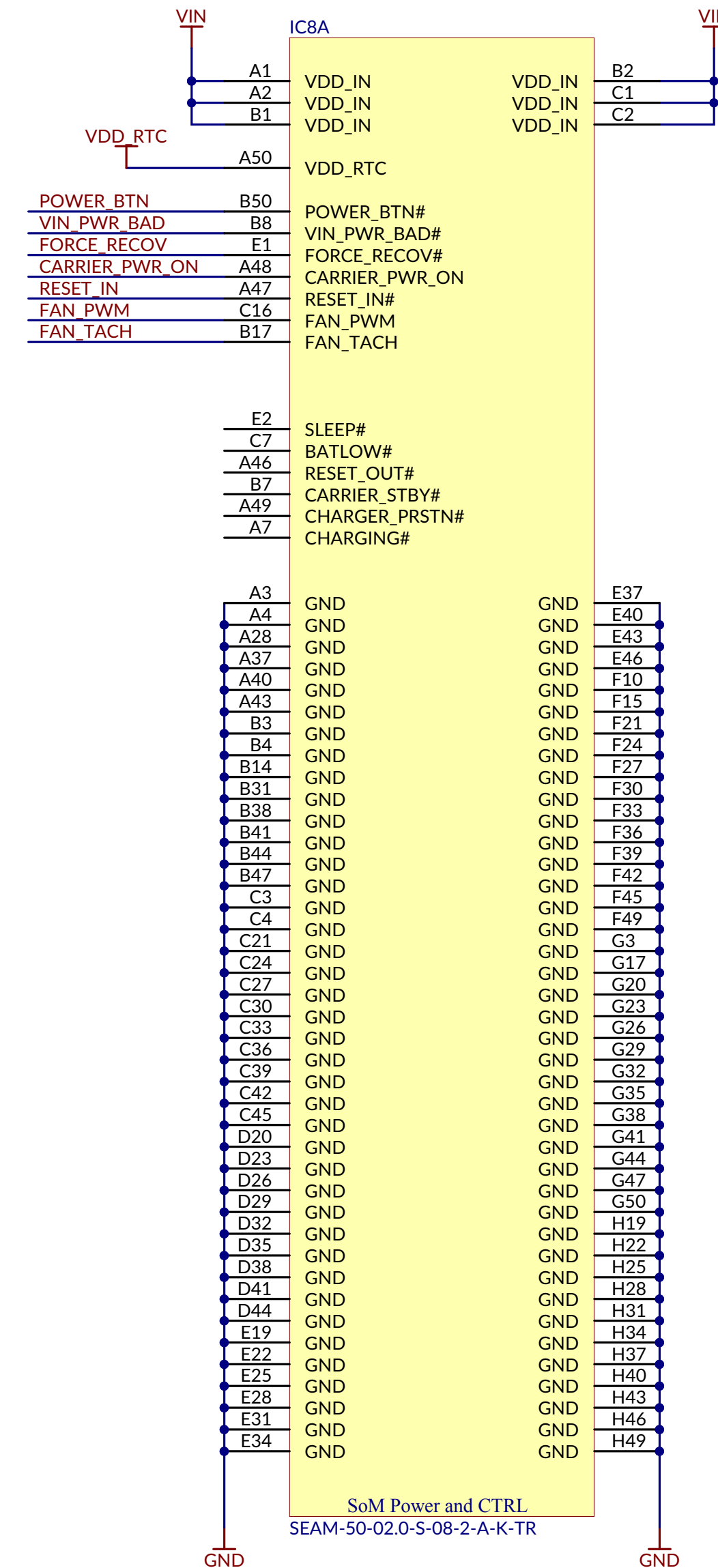
### 1V8 Linear Regulator



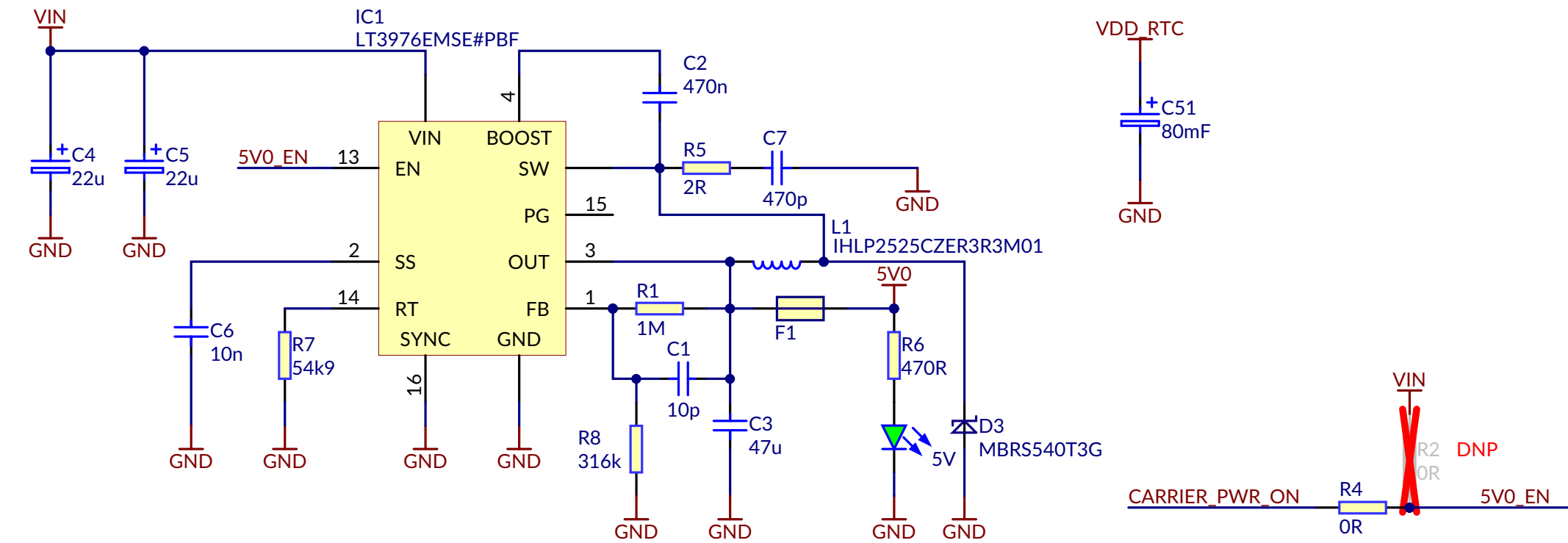
### DC Power Jack



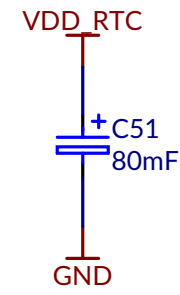
### SoM Power Supply



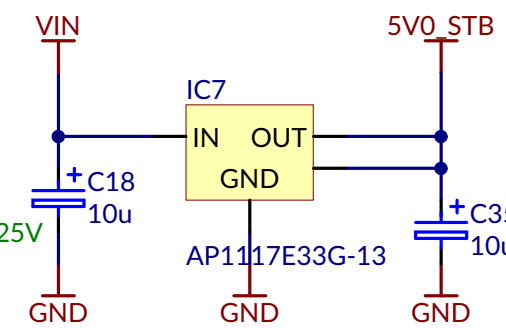
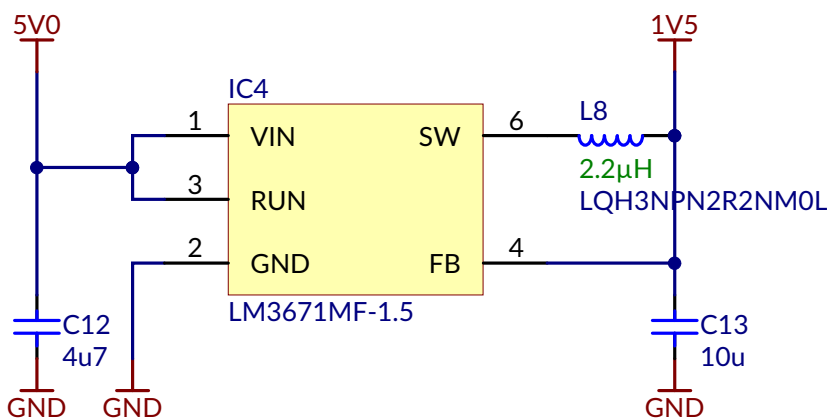
### 5V (5A) Step down



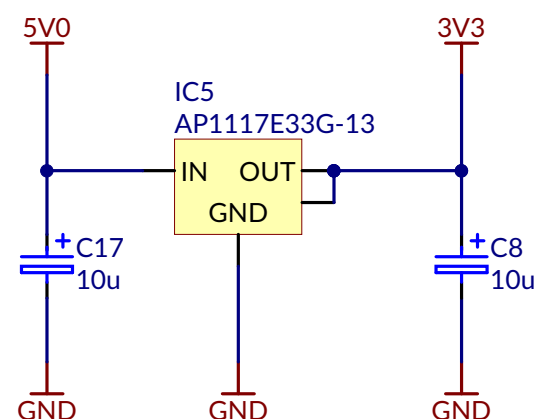
### RTC Backup Cap



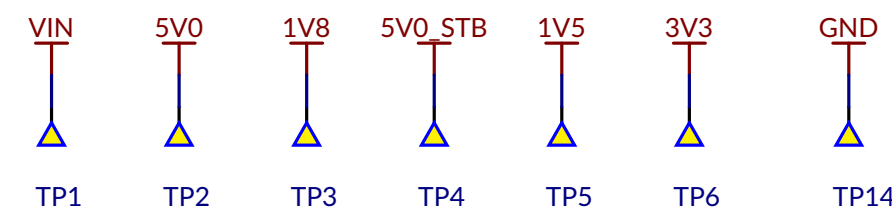
### PCIE 1.5V supply (600mA)

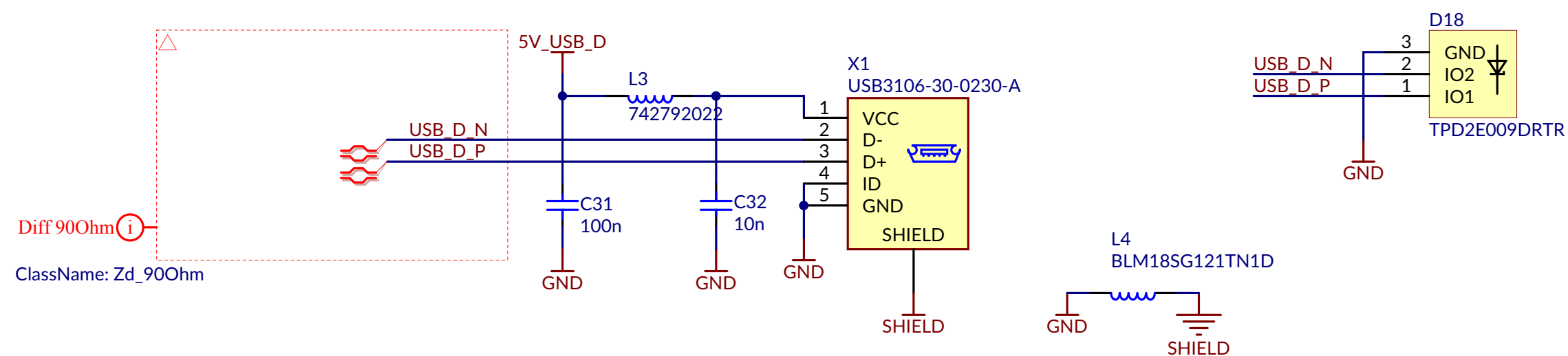
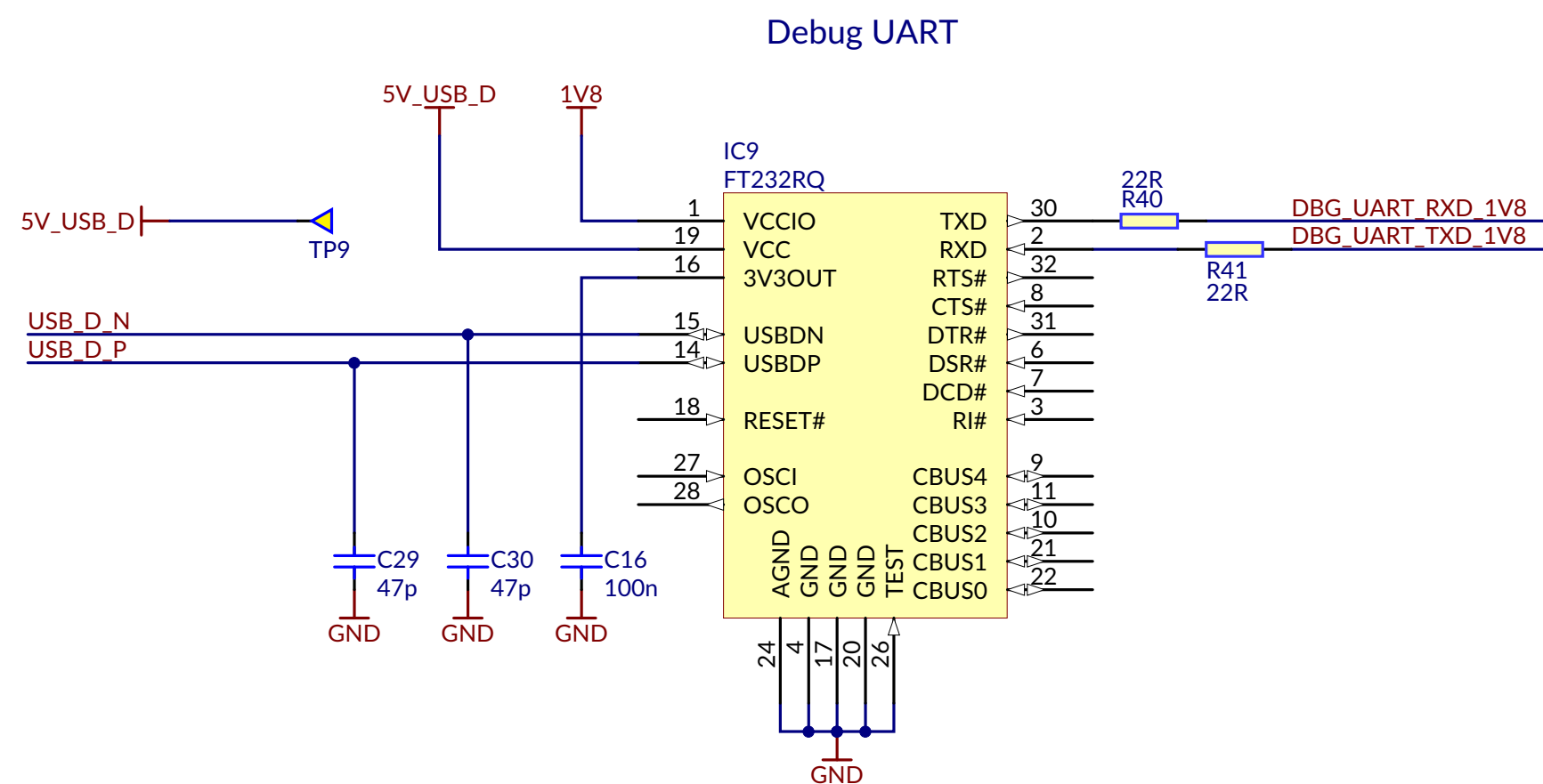


### PCIE 3.3V supply (1A)



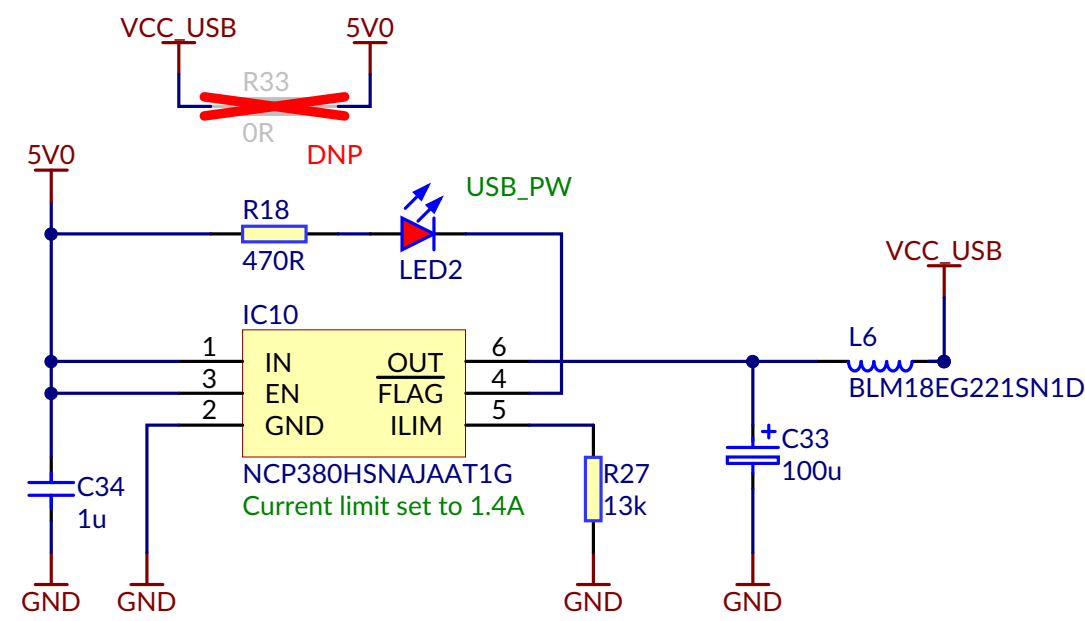
### Test pads



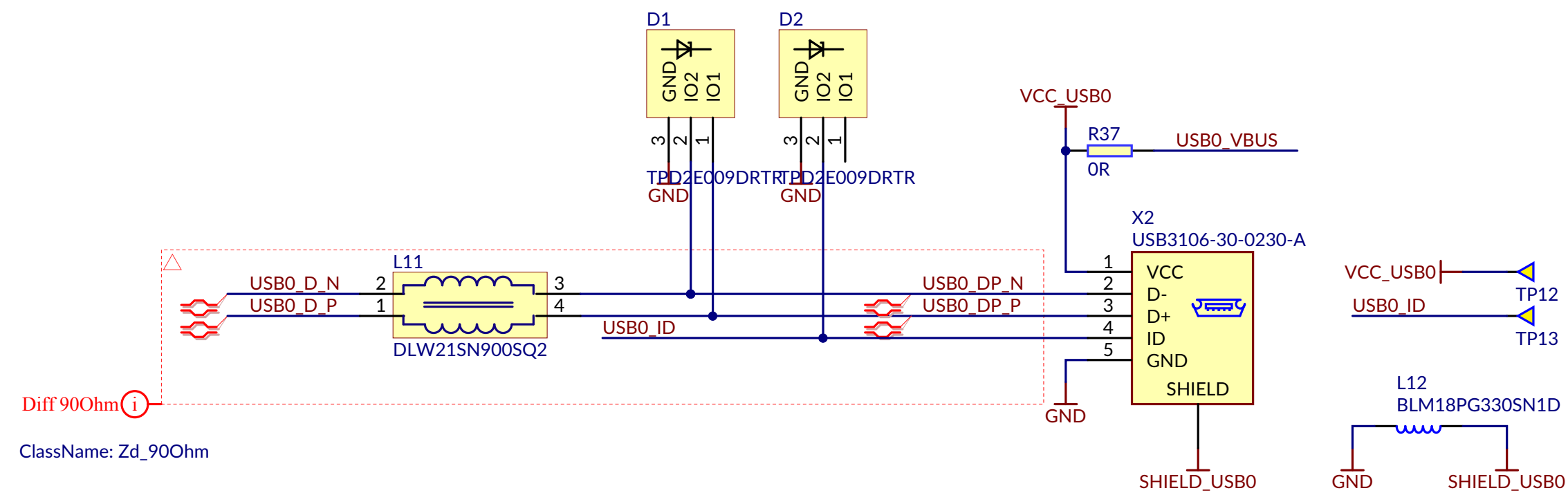




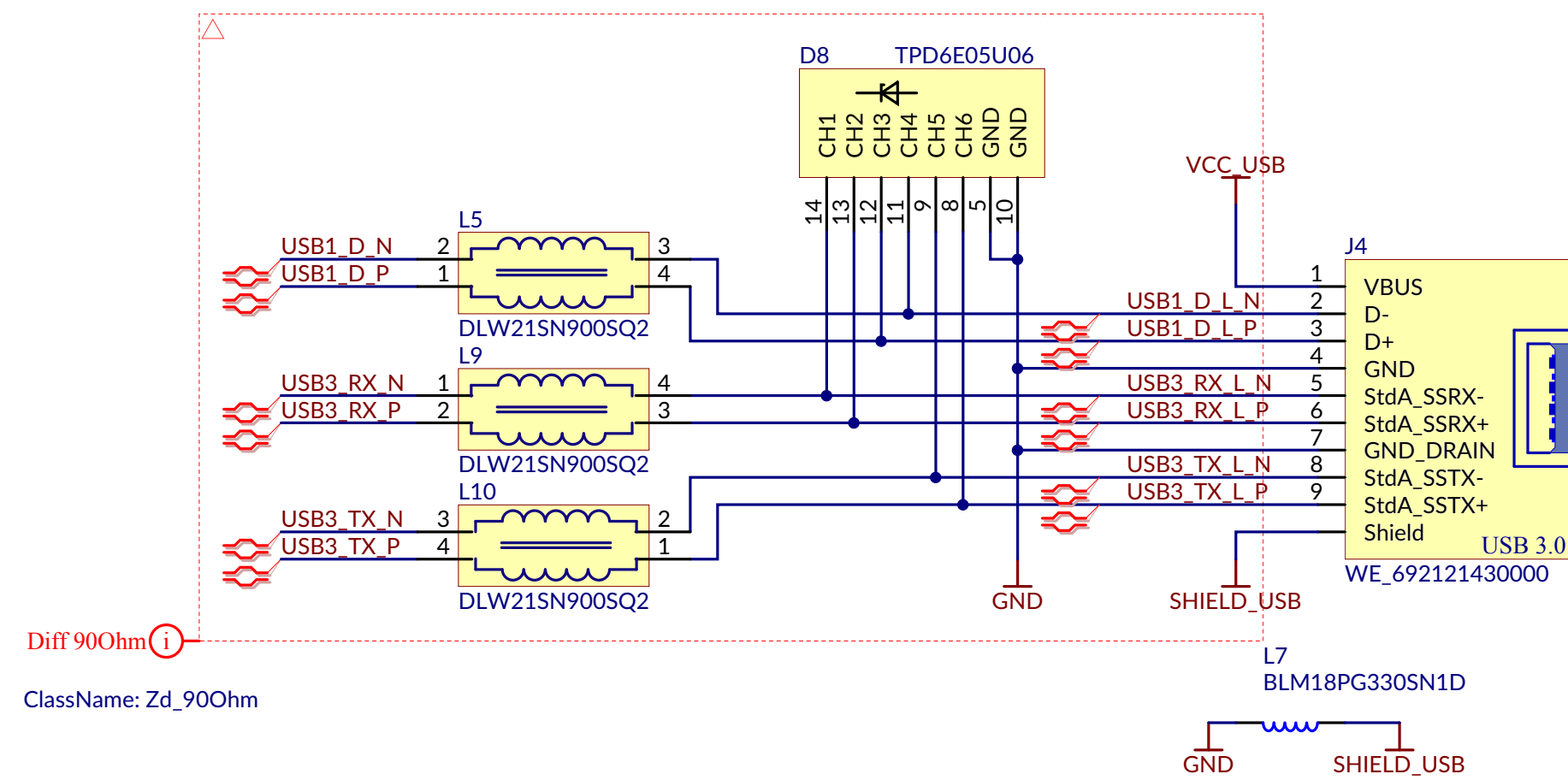
## USB Load Switch



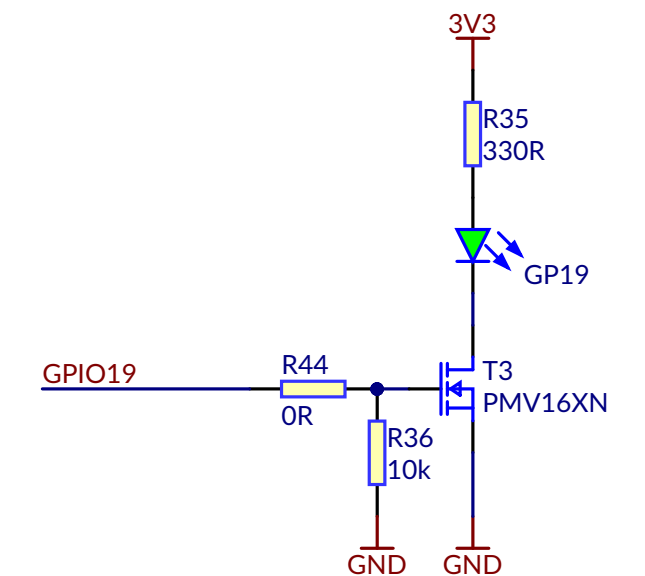
## USB OTG



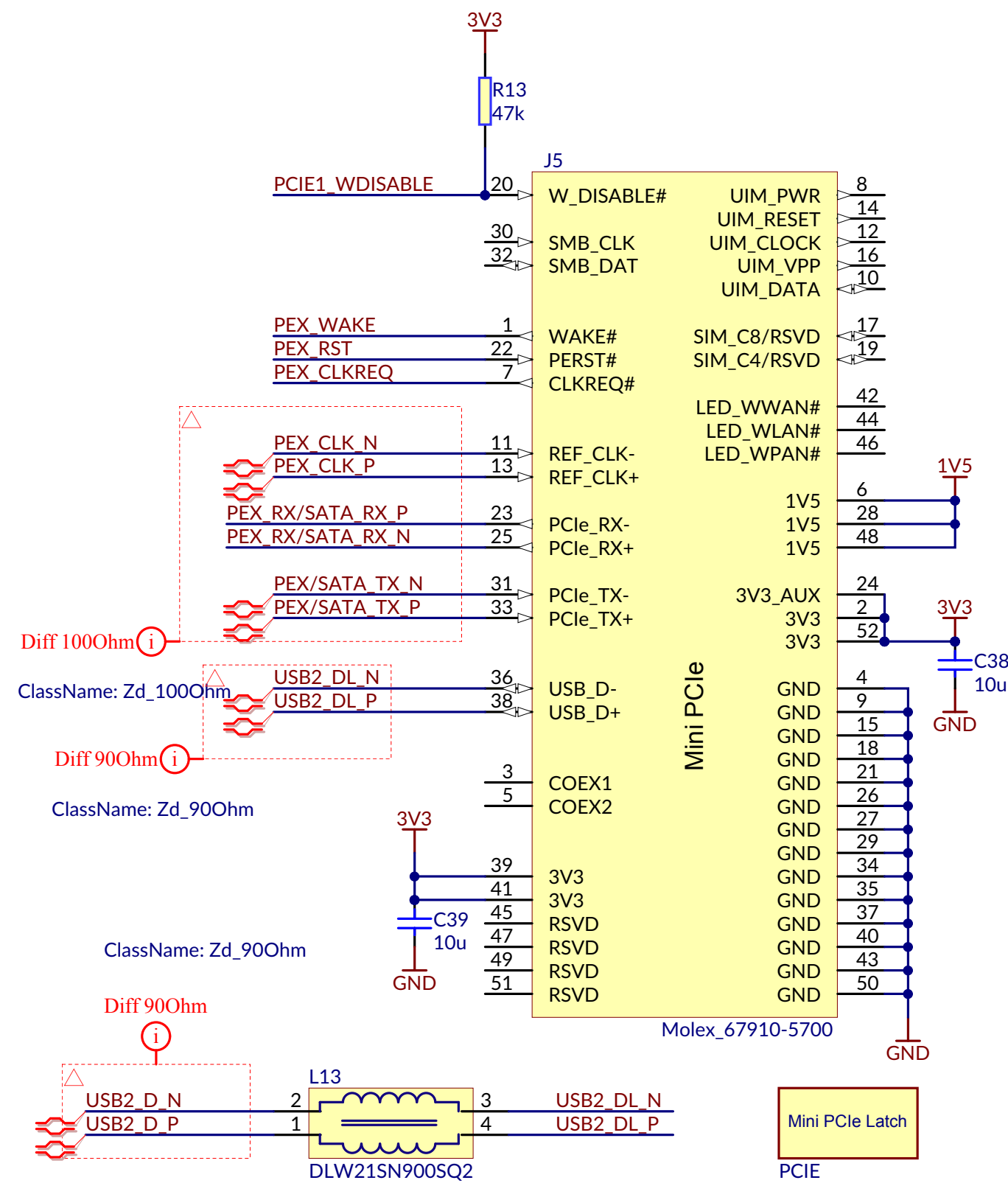
## USB 3.0 Connector



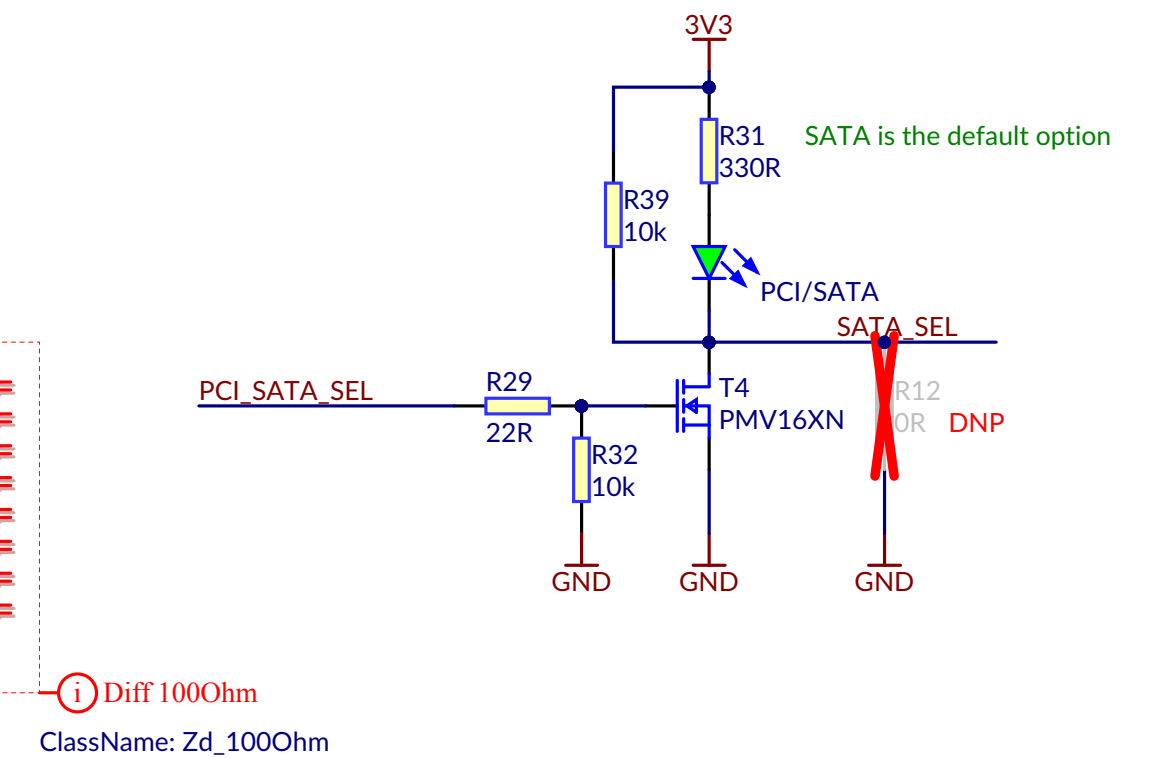
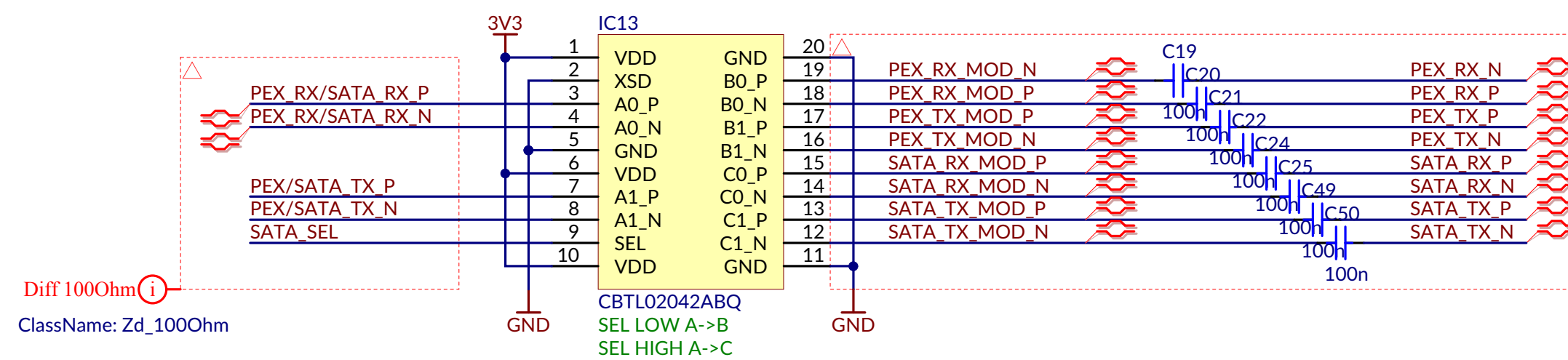
DEBUG LED



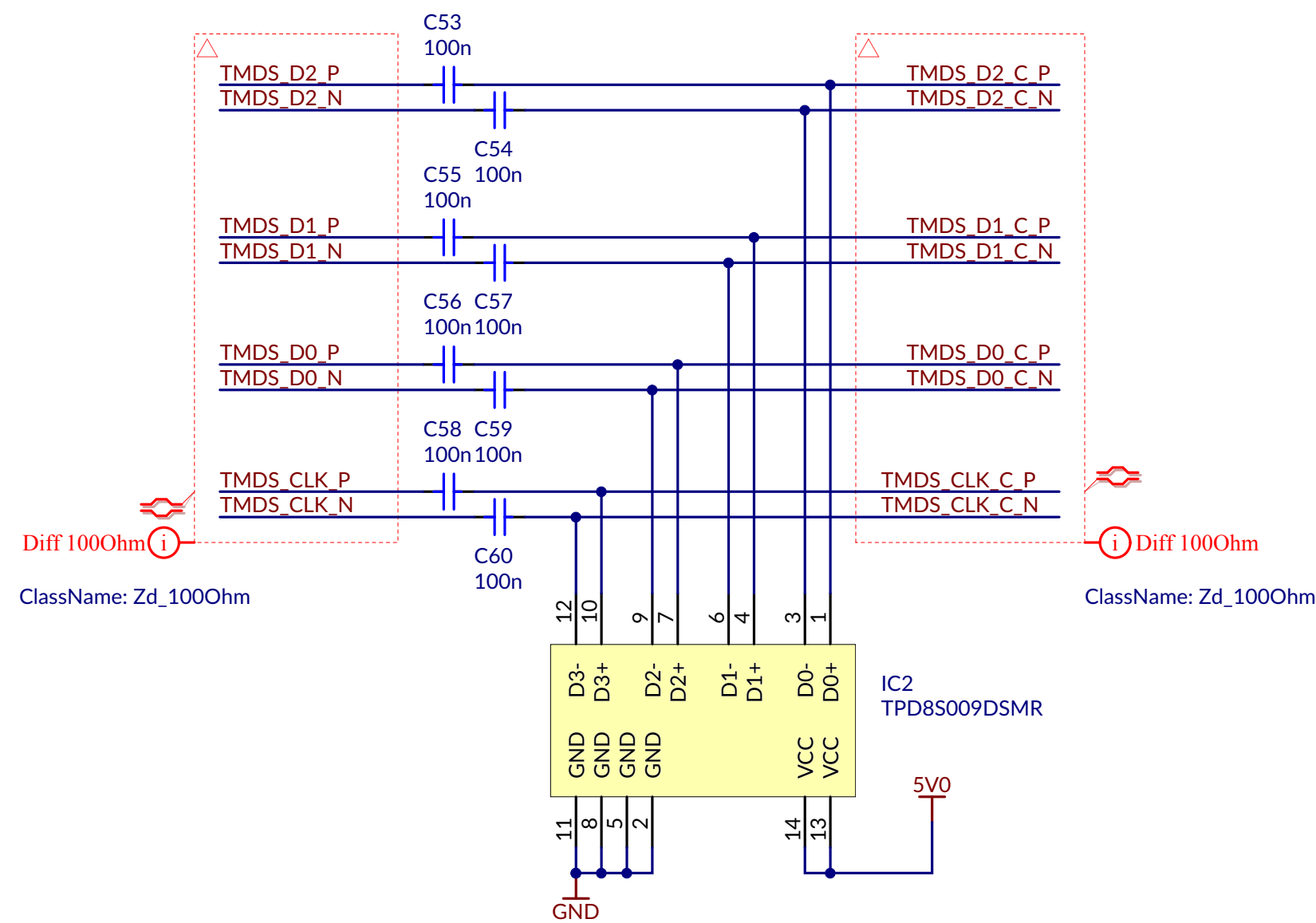
## PCI-E Connector



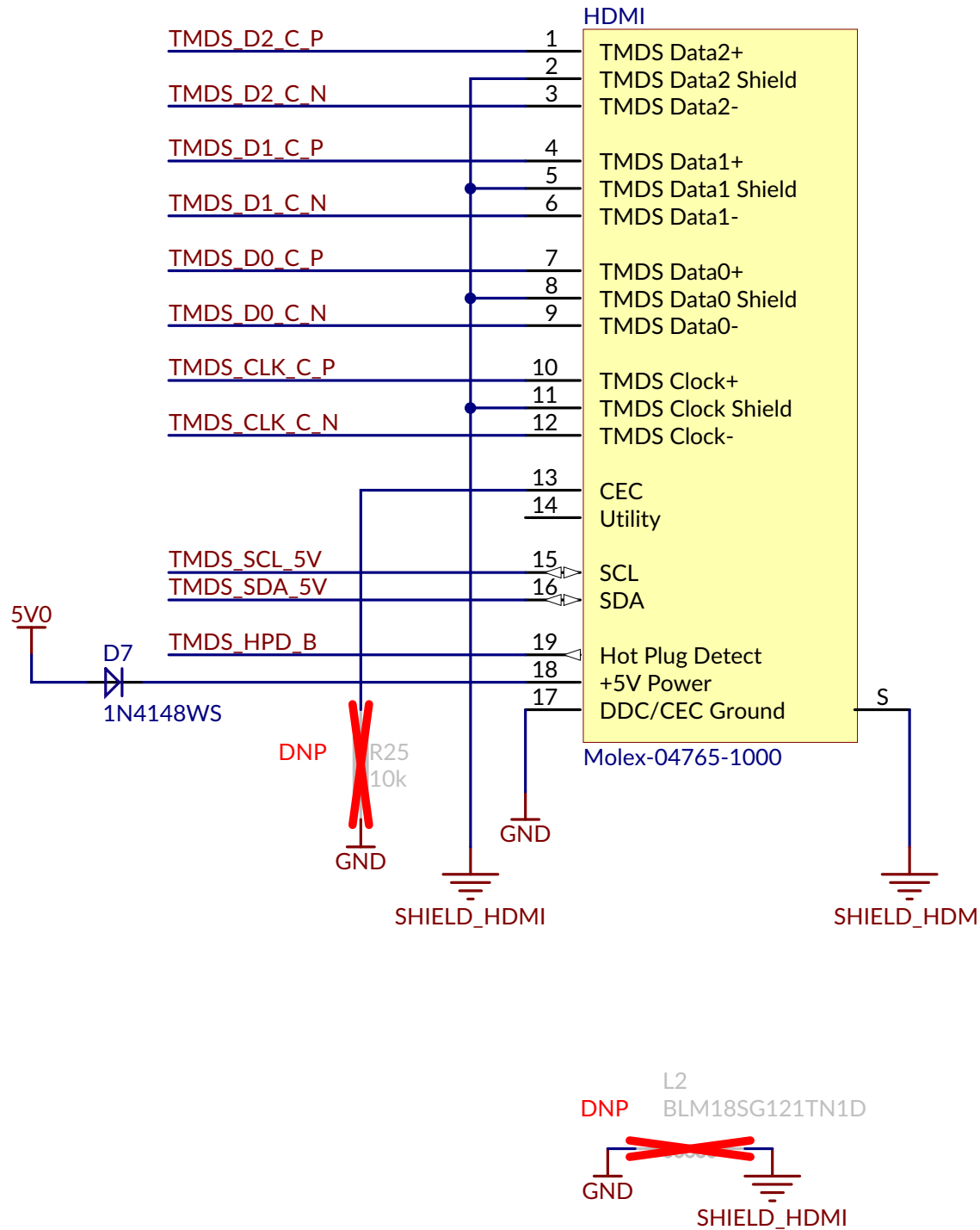
## MiniPCI / SATA MUX



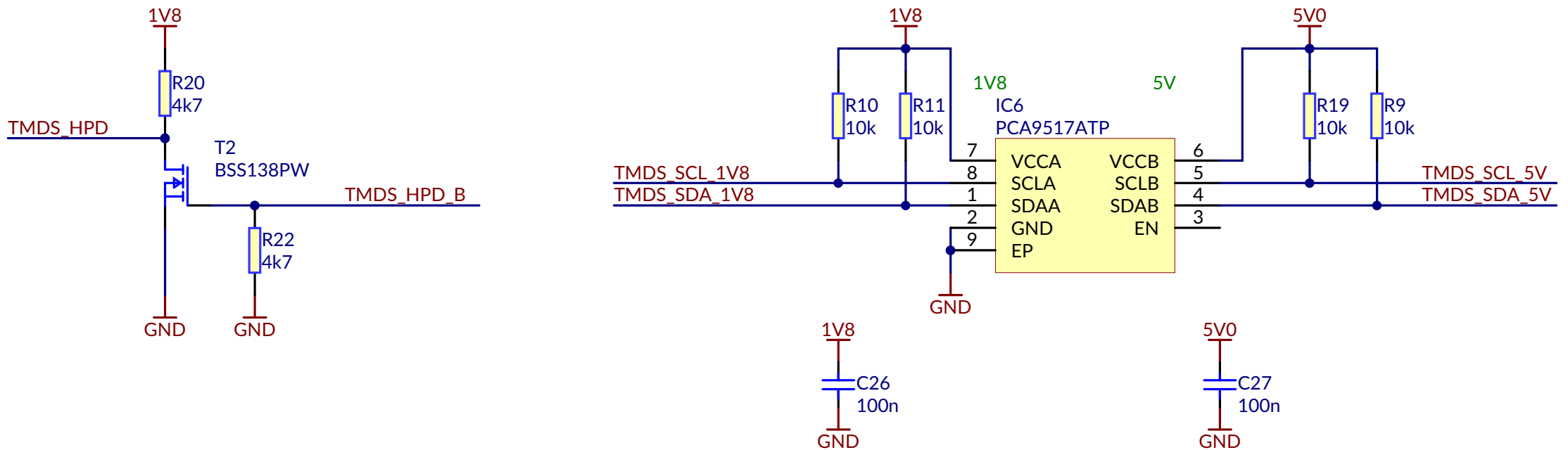
Capacitive coupling and ESD



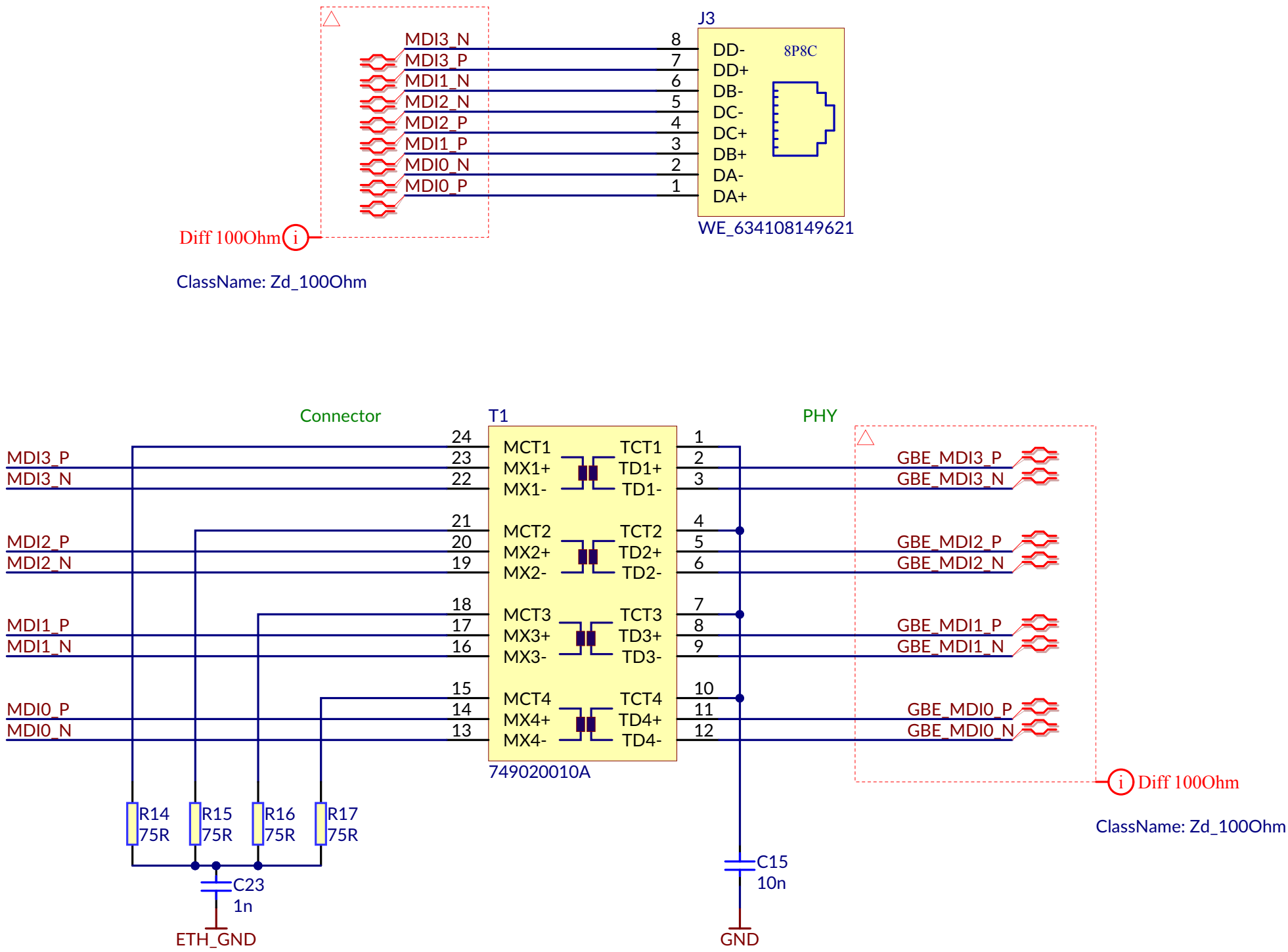
HDMI Connector



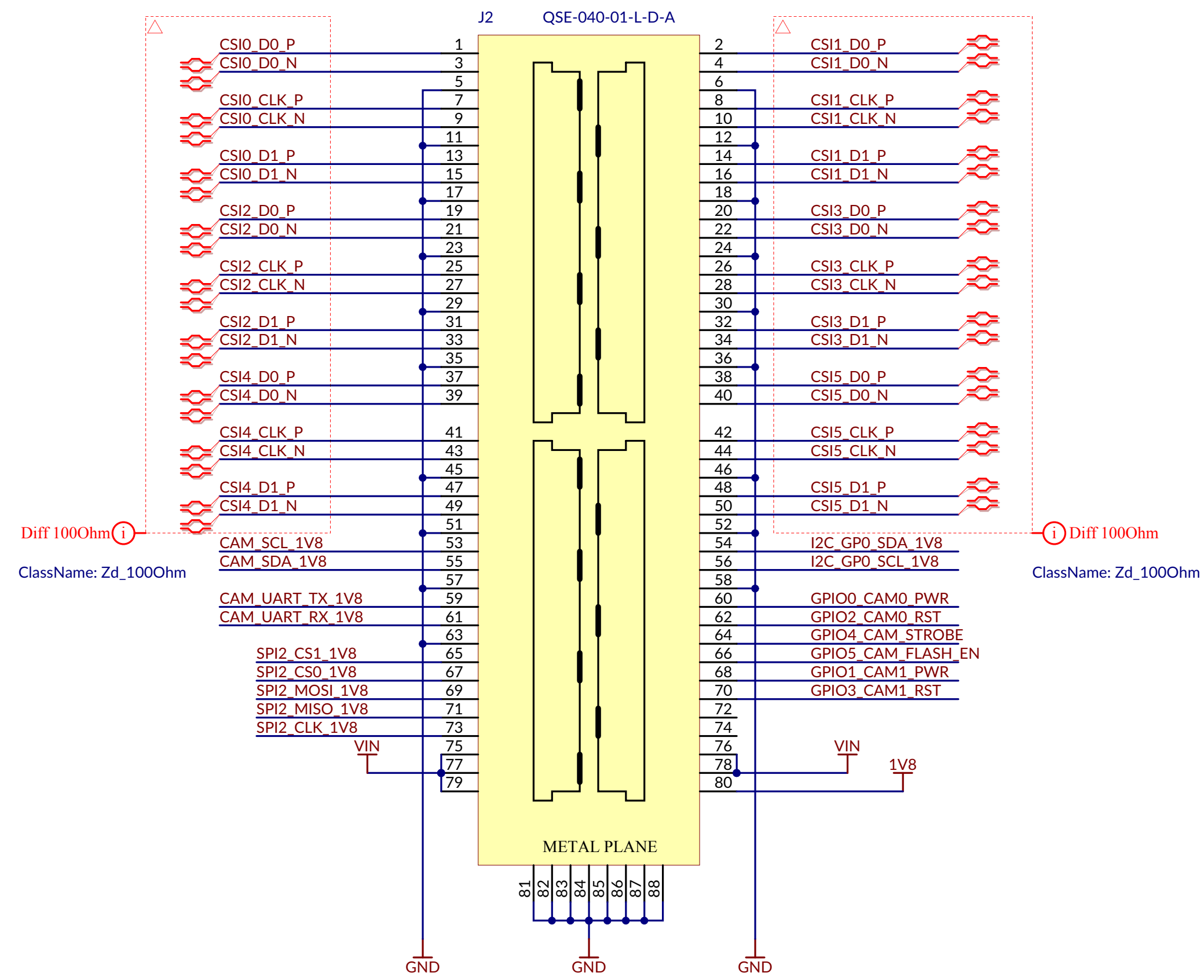
HDMI Level shifter



Gigabit Ethernet



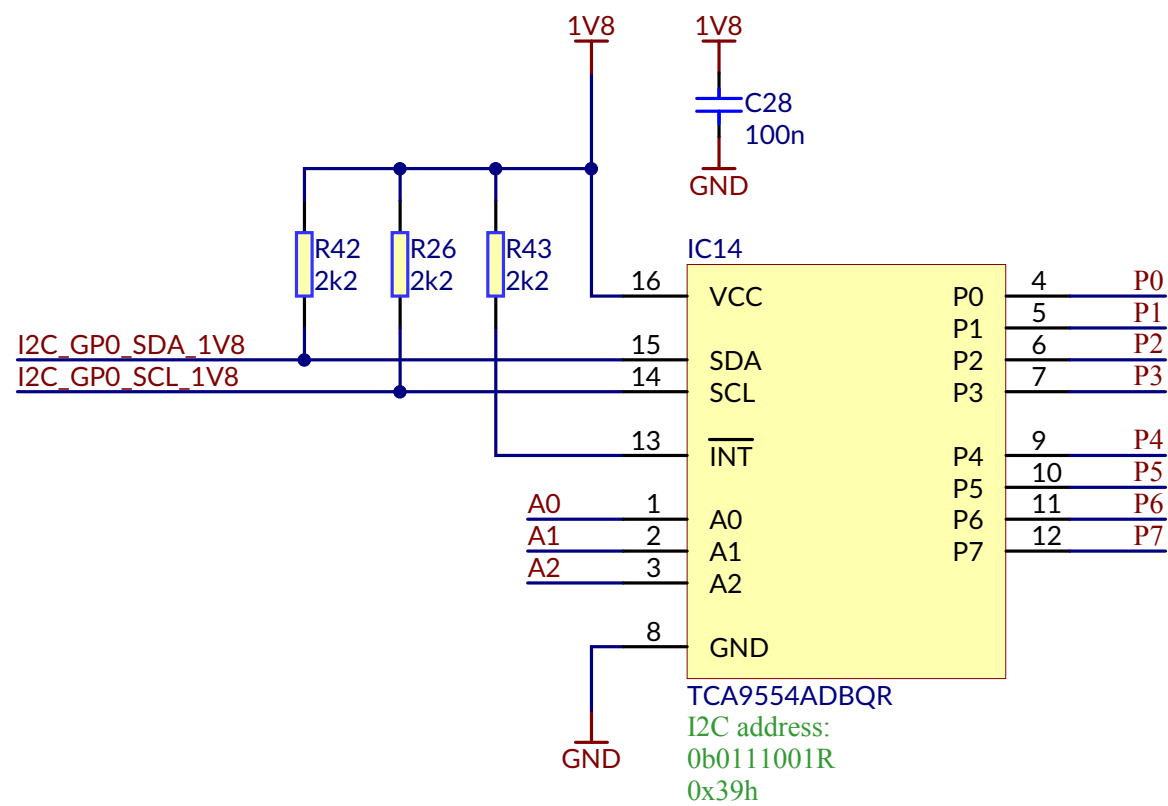
Mezzanine Camera Connector



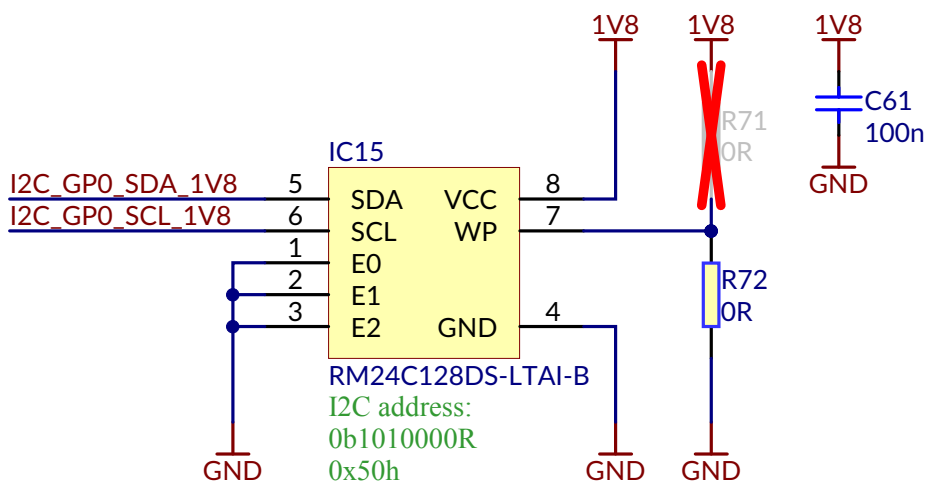




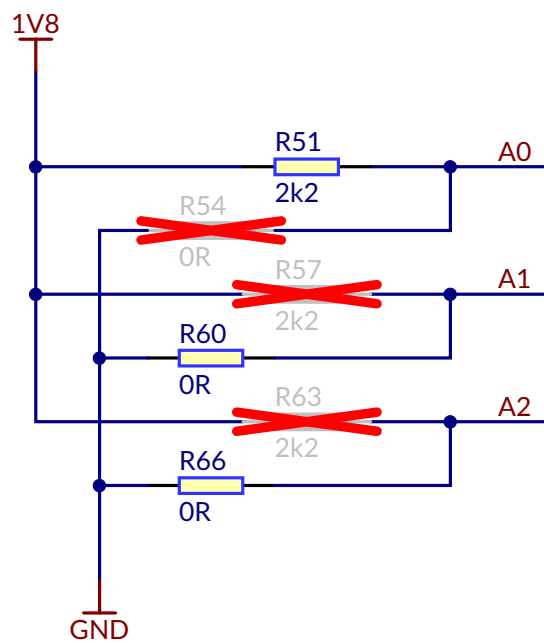
GPIO expander



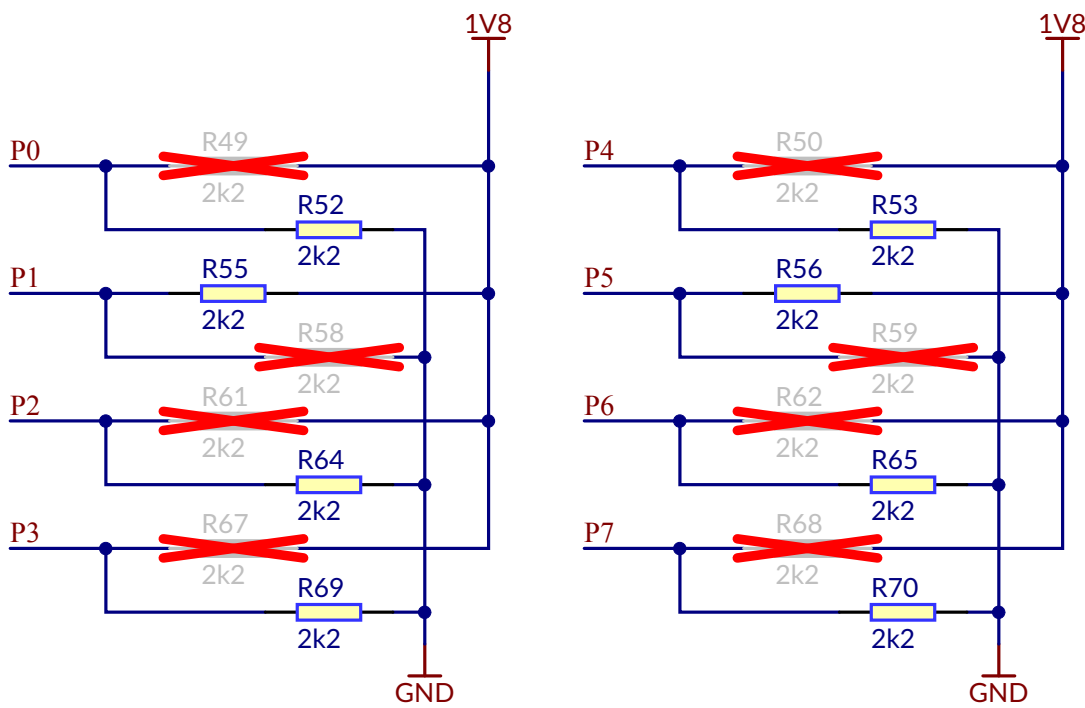
Unique ID with OTP



I2C address select



Serial number coding



Use BCD for writing hardware revision