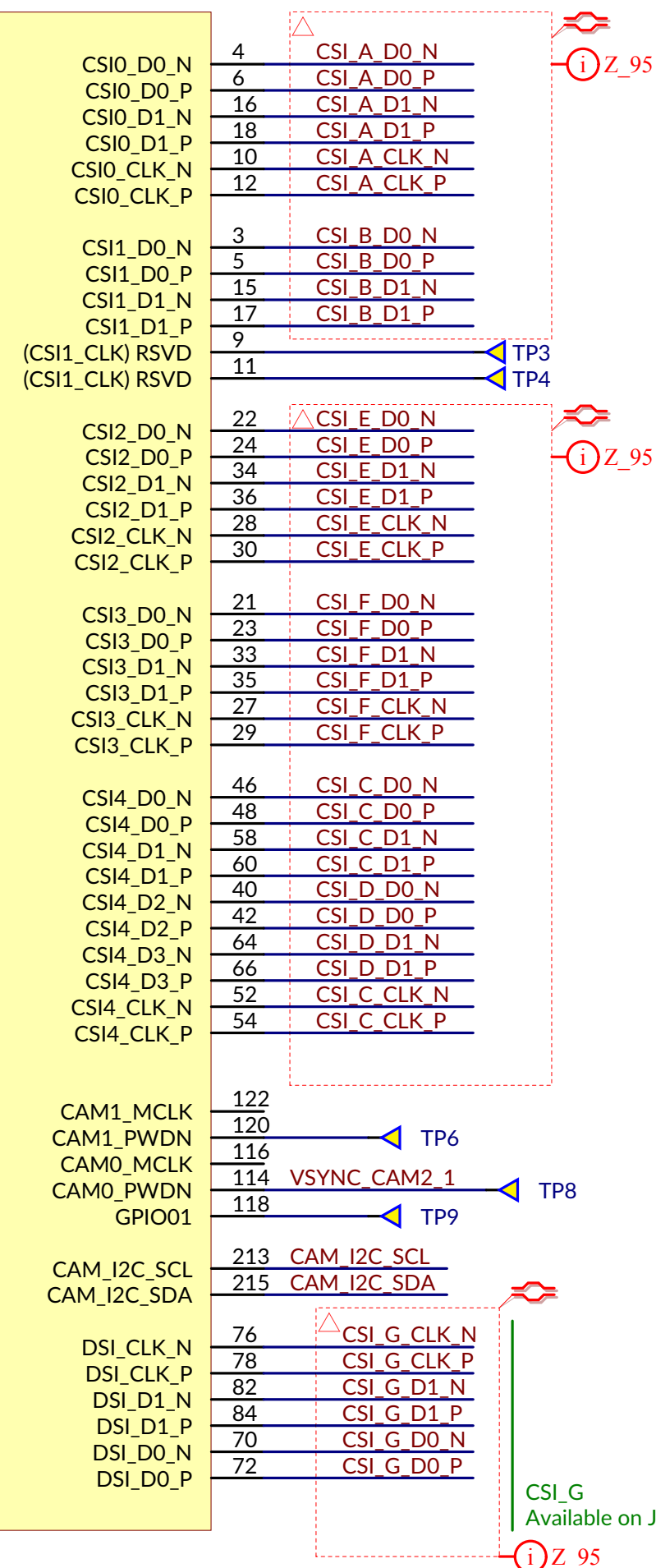


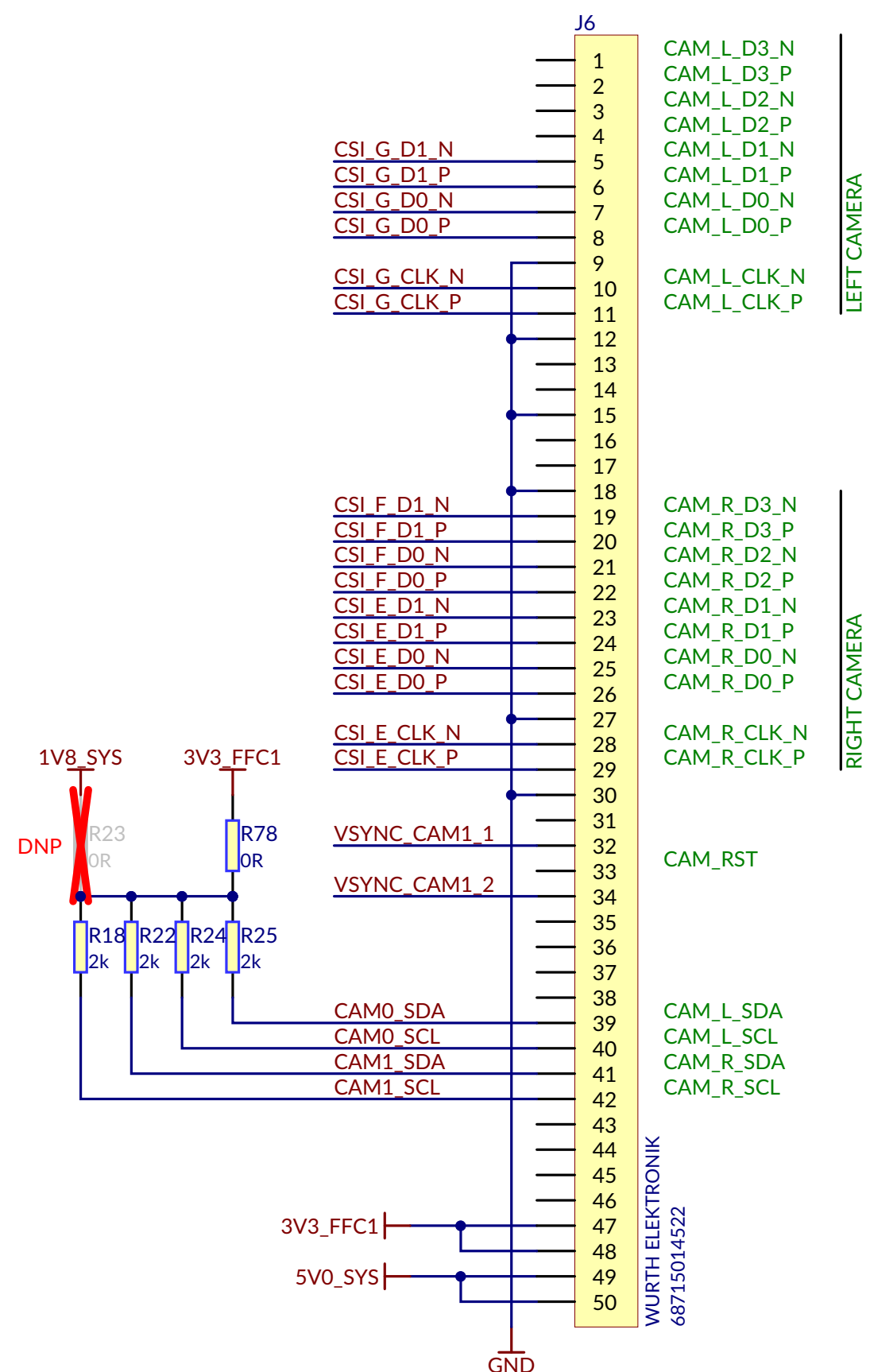
## SoM interface

M1B  
TE Connectivity  
2309413-1

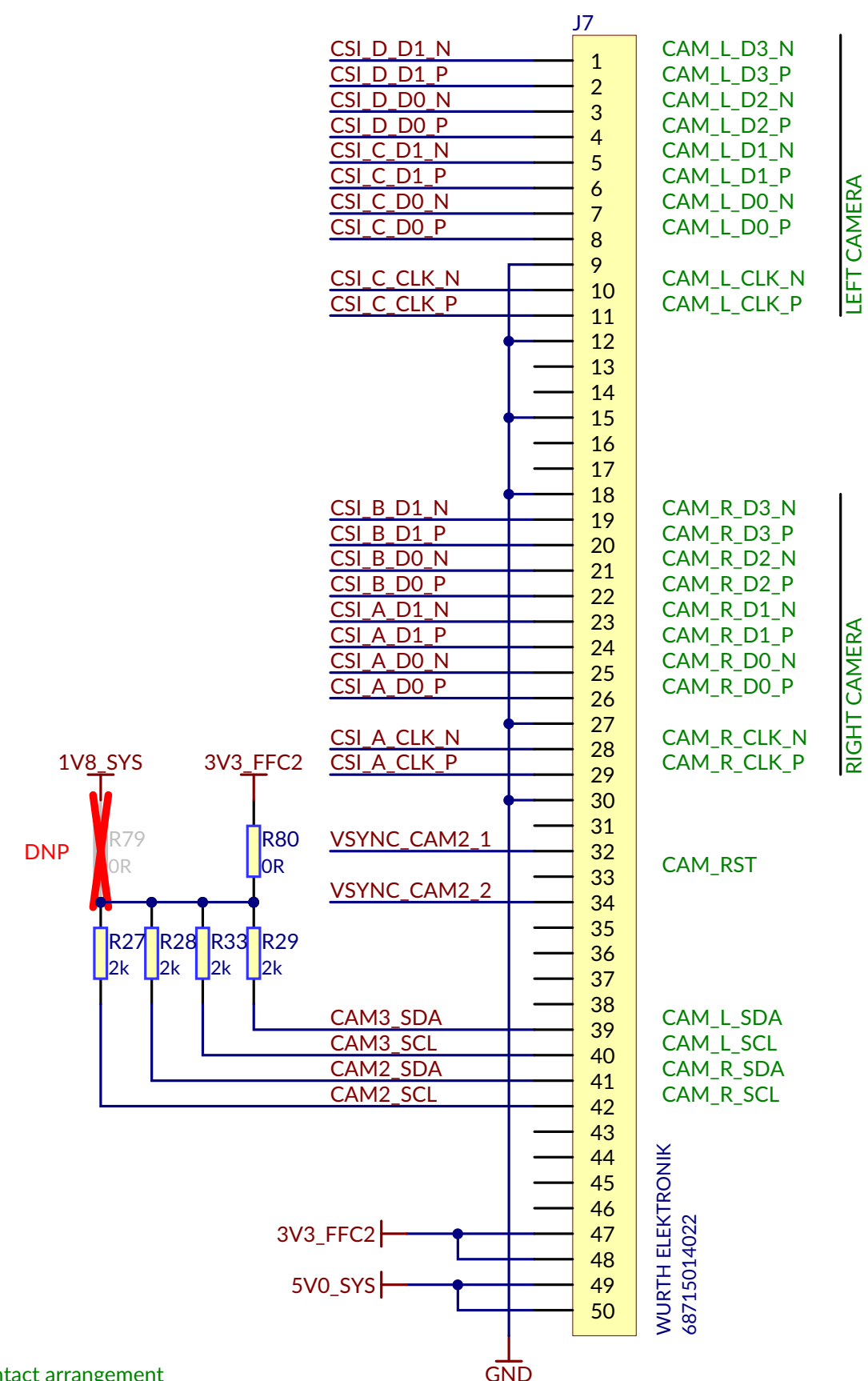


CSI\_G  
Available on Jetson Xavier NX

## Camera FFC #1

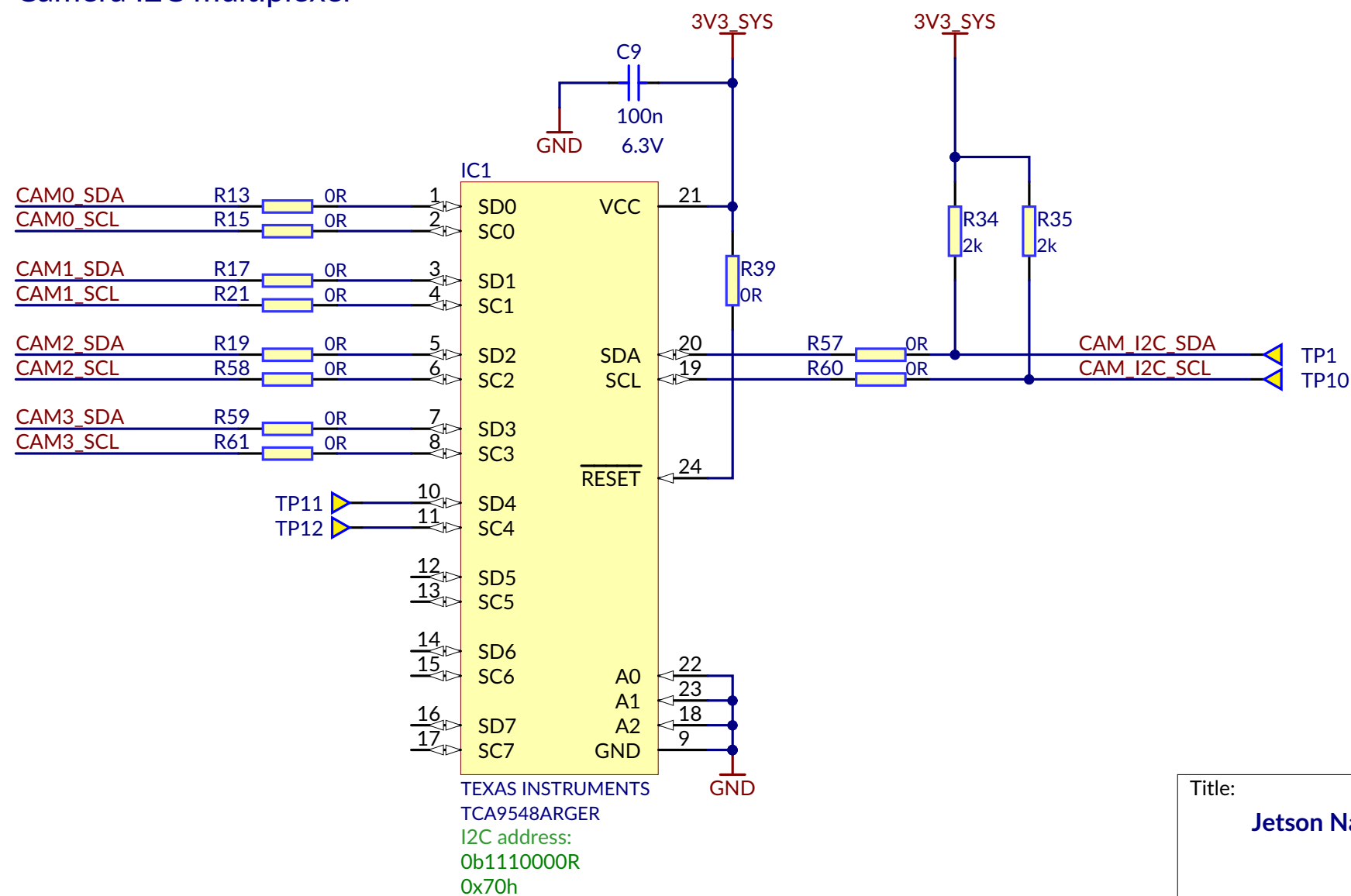


## Camera FFC #2



Note:  
Please note the contact arrangement  
J6 Has contacts on BOTTOM  
J7 Has contacts on TOP

## Camera I2C multiplexer



Title:

Jetson Nano Baseboard

Size: A3

Date: 12/10/2020

File: CSI.SchDoc

Page: 1 of 7

Revision: 1.4.6



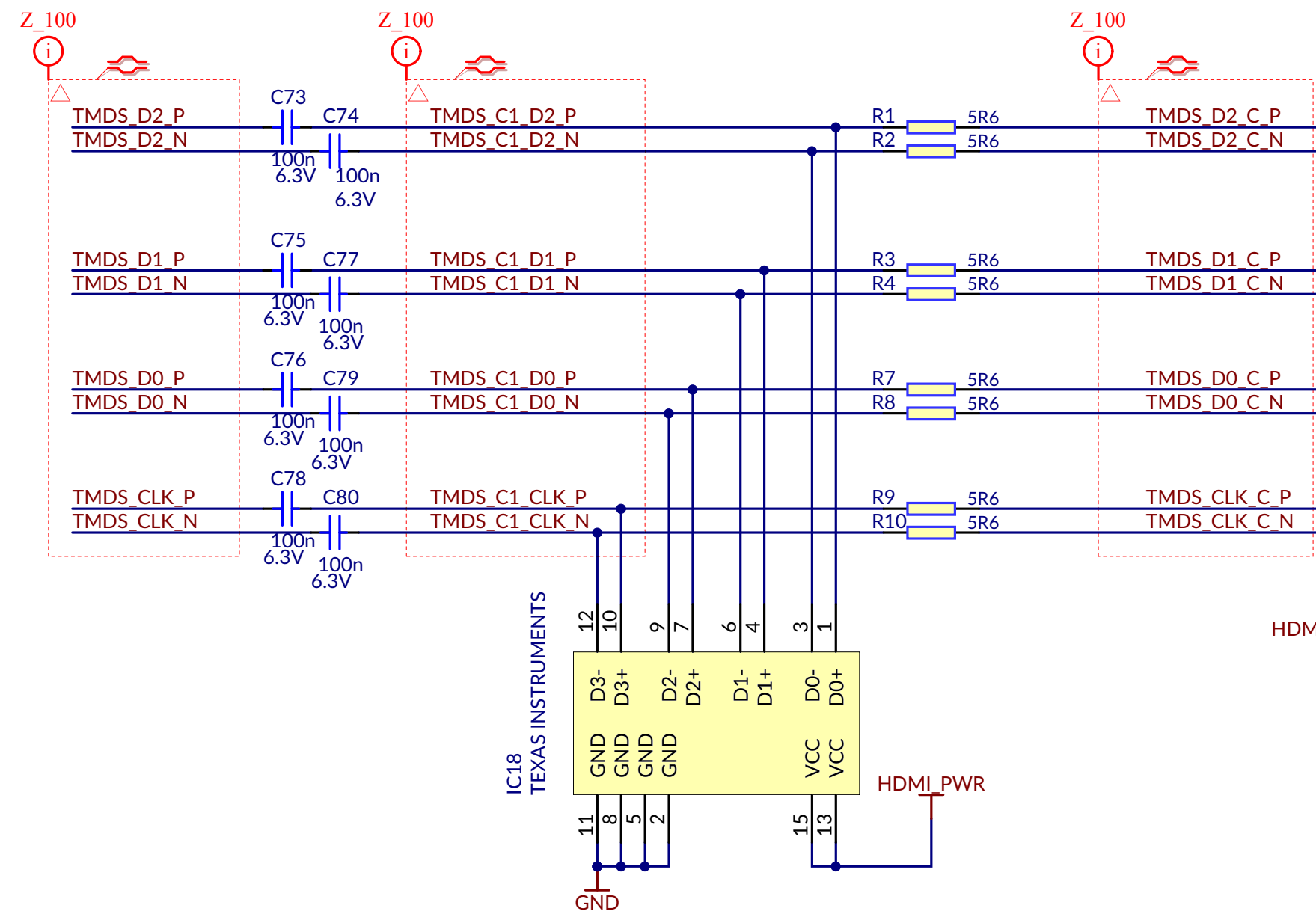
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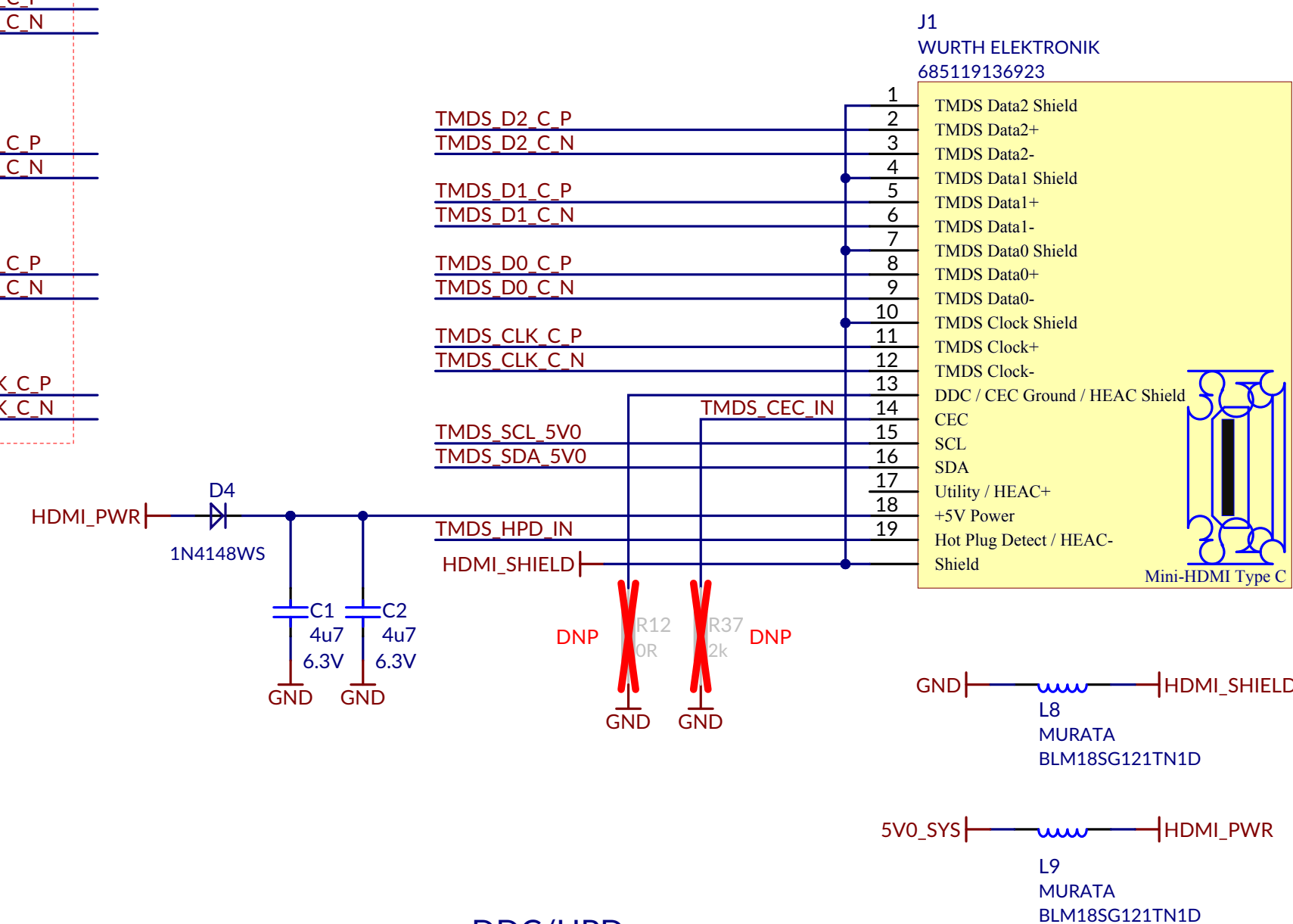
M1E  
TE Connectivity  
2309413-1

DP0_TXD3_N	57	EDP3_TX_N
DP0_TXD3_P	59	EDP3_TX_P
DP0_TXD2_N	51	EDP2_TX_N
DP0_TXD2_P	53	EDP2_TX_P
DP0_TXD1_N	45	EDP1_TX_N
DP0_TXD1_P	47	EDP1_TX_P
DP0_TXD0_N	39	EDP0_TX_N
DP0_TXD0_P	41	EDP0_TX_P
HDMI_CEC	94	TMDS_CEC
DP0_HPD	88	DP_HPD
DP1_HPD	96	TMDS_HPD
DP1_AUX_P	100	TMDS_SCL
DP1_AUX_N	98	TMDS_SDA
DP0_AUX_P	92	EDP_AUX_P
DP0_AUX_N	90	EDP_AUX_N
DP1_TXD3_N	81	TMDS_CLK_N
DP1_TXD3_P	83	TMDS_CLK_P
DP1_TXD2_N	75	TMDS_D0_N
DP1_TXD2_P	77	TMDS_D0_P
DP1_TXD1_N	69	TMDS_D1_N
DP1_TXD1_P	71	TMDS_D1_P
DP1_TXD0_N	63	TMDS_D2_N
DP1_TXD0_P	65	TMDS_D2_P
CLK_32K_OUT	210	
GPIO10	212	M2_ALERT
GPIO07	206	TP13
GPIO12	218	TP14
GPIO00	87	OTG_USB_VBUS

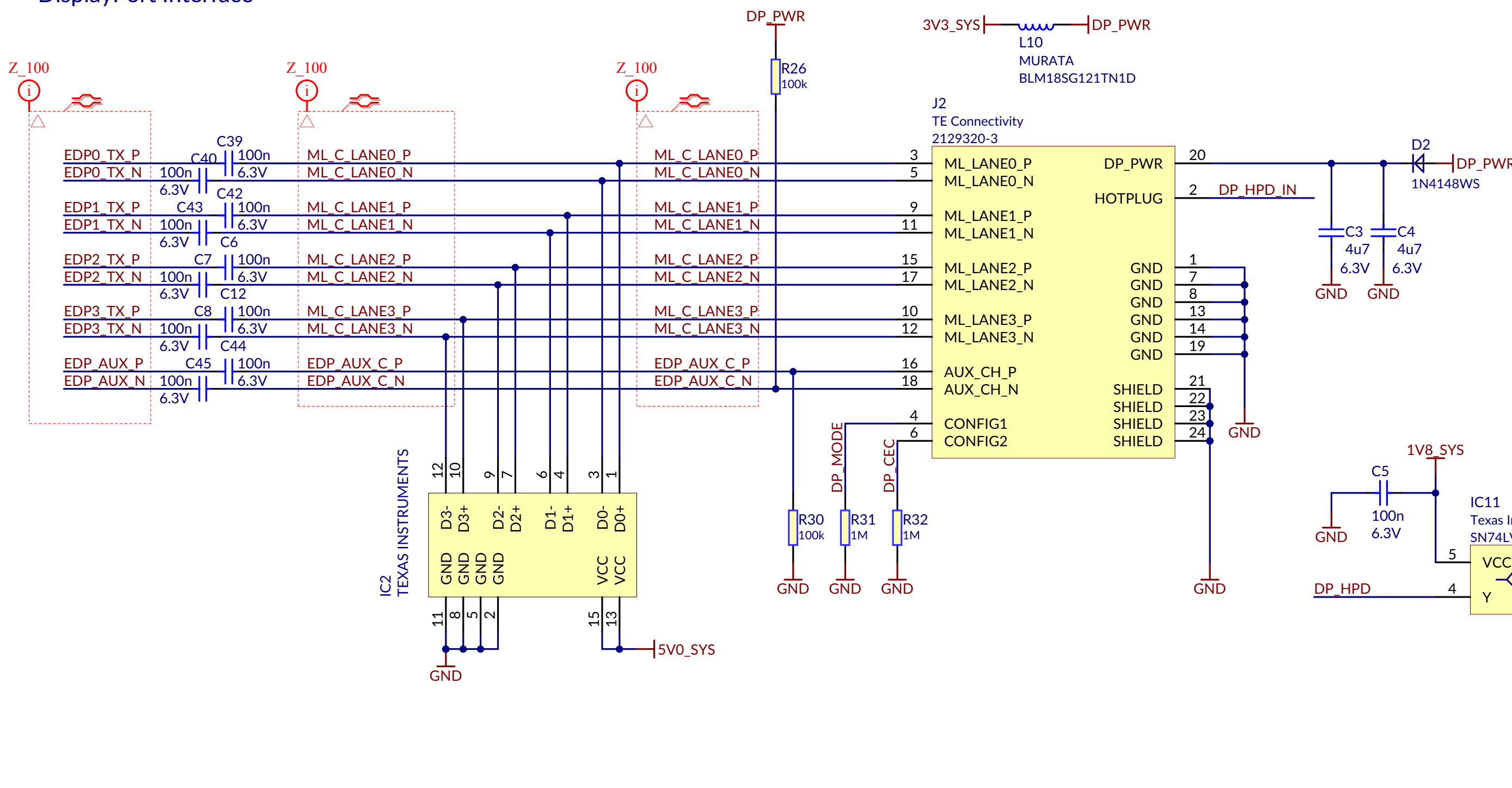
## HDMI Interface



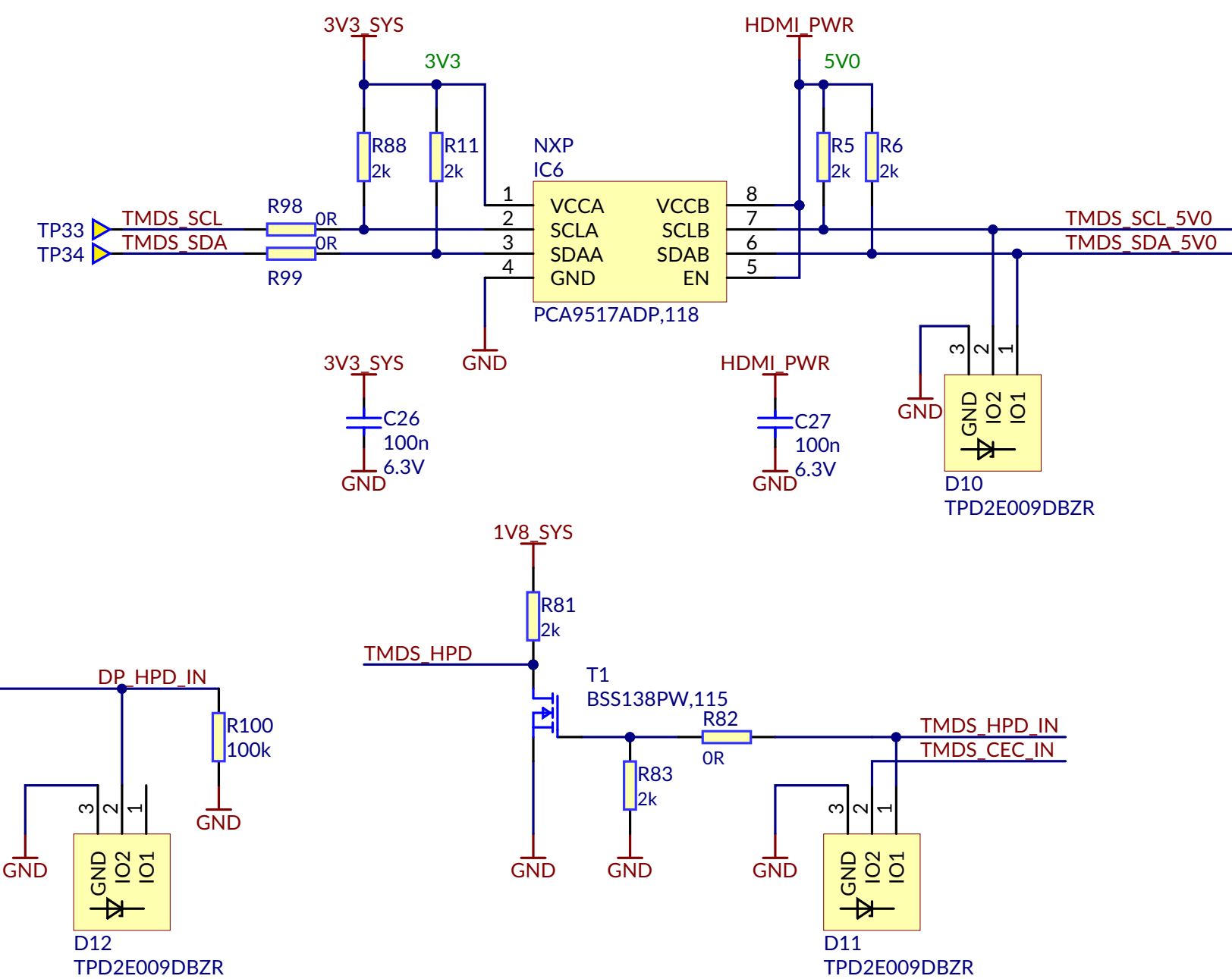
## HDMI Connector



## DisplayPort Interface



## DDC/HPD



Title:  
**Jetson Nano Baseboard**

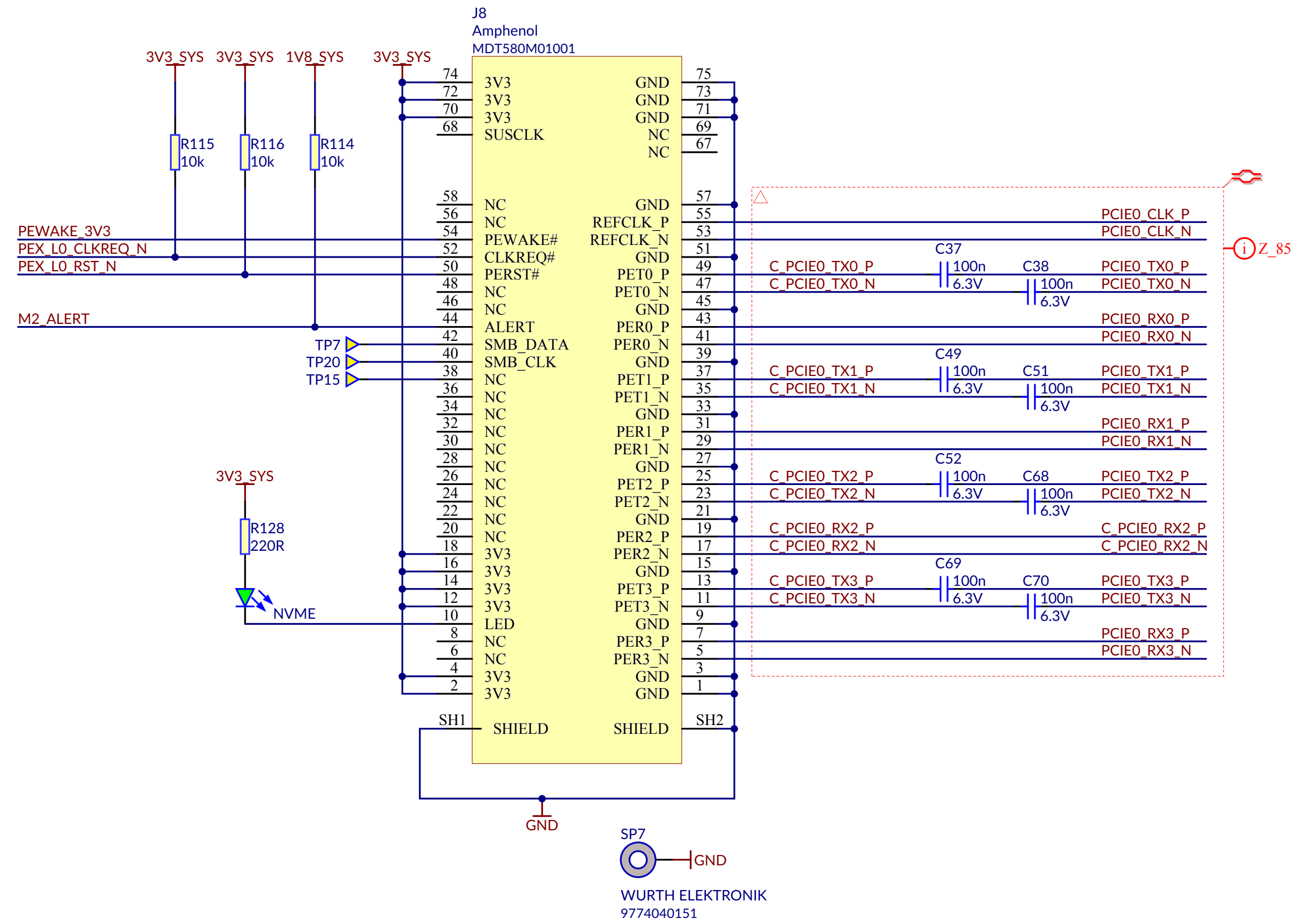
Size: A3  
Date: 12/10/2020  
File: Display.SchDoc

Page: 2 of 6  
Revision: 1.4.6

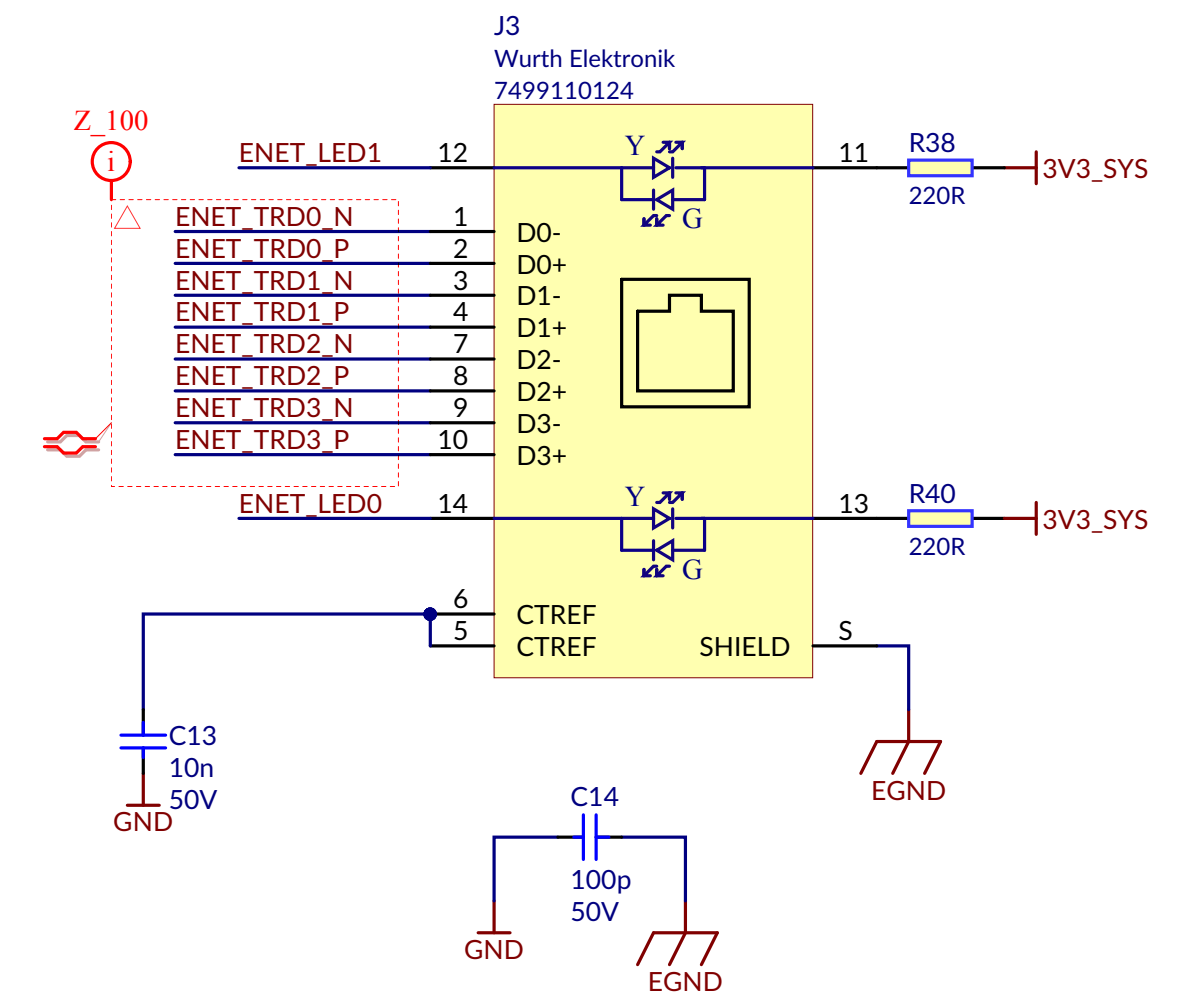


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## M.2 PCIe Interface (key-M)

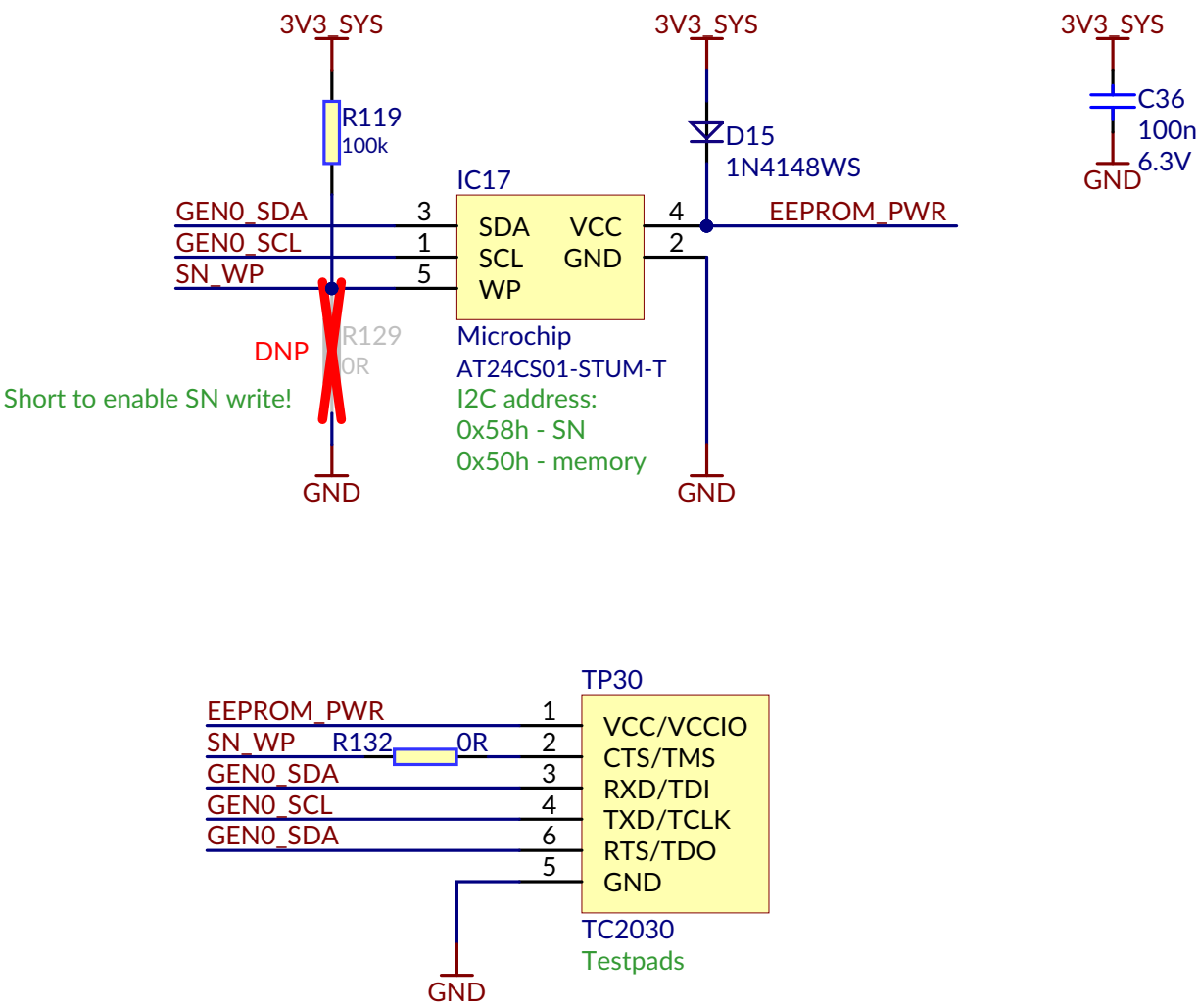


## Ethernet interface



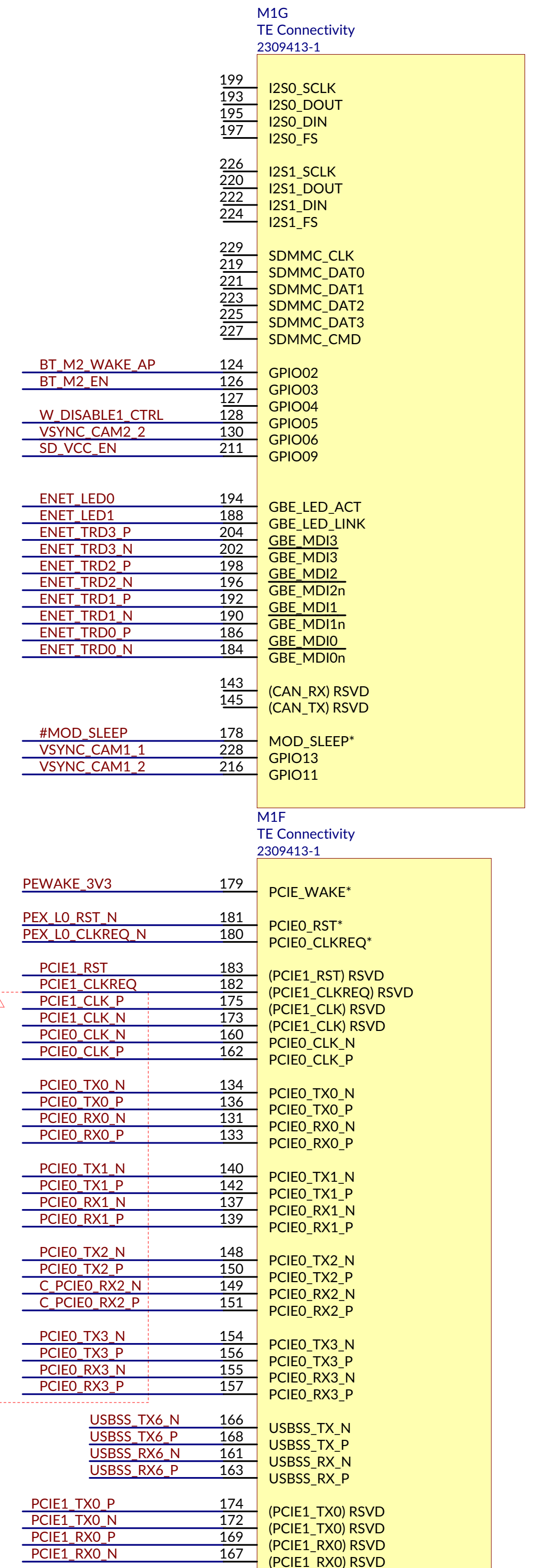
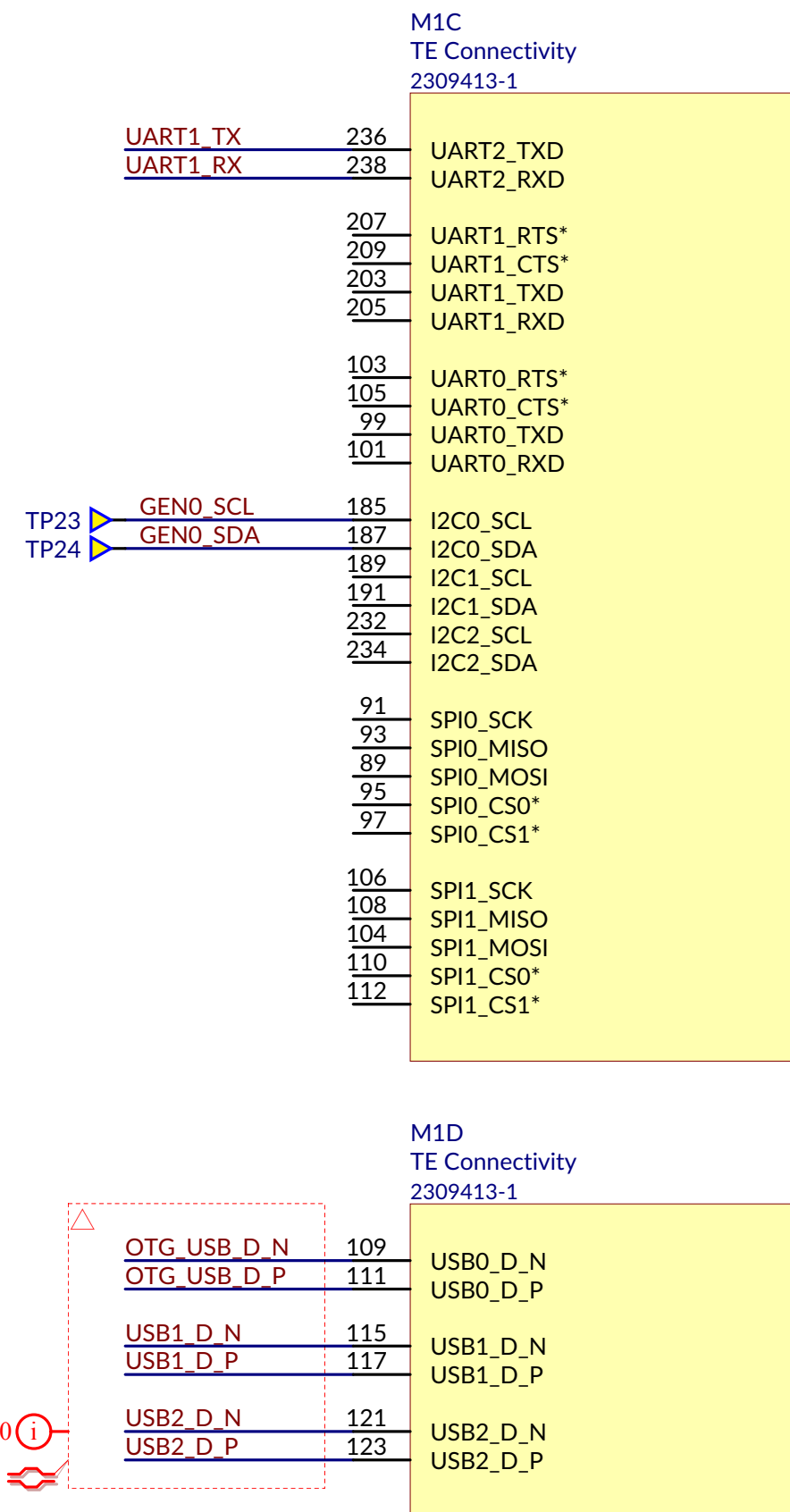
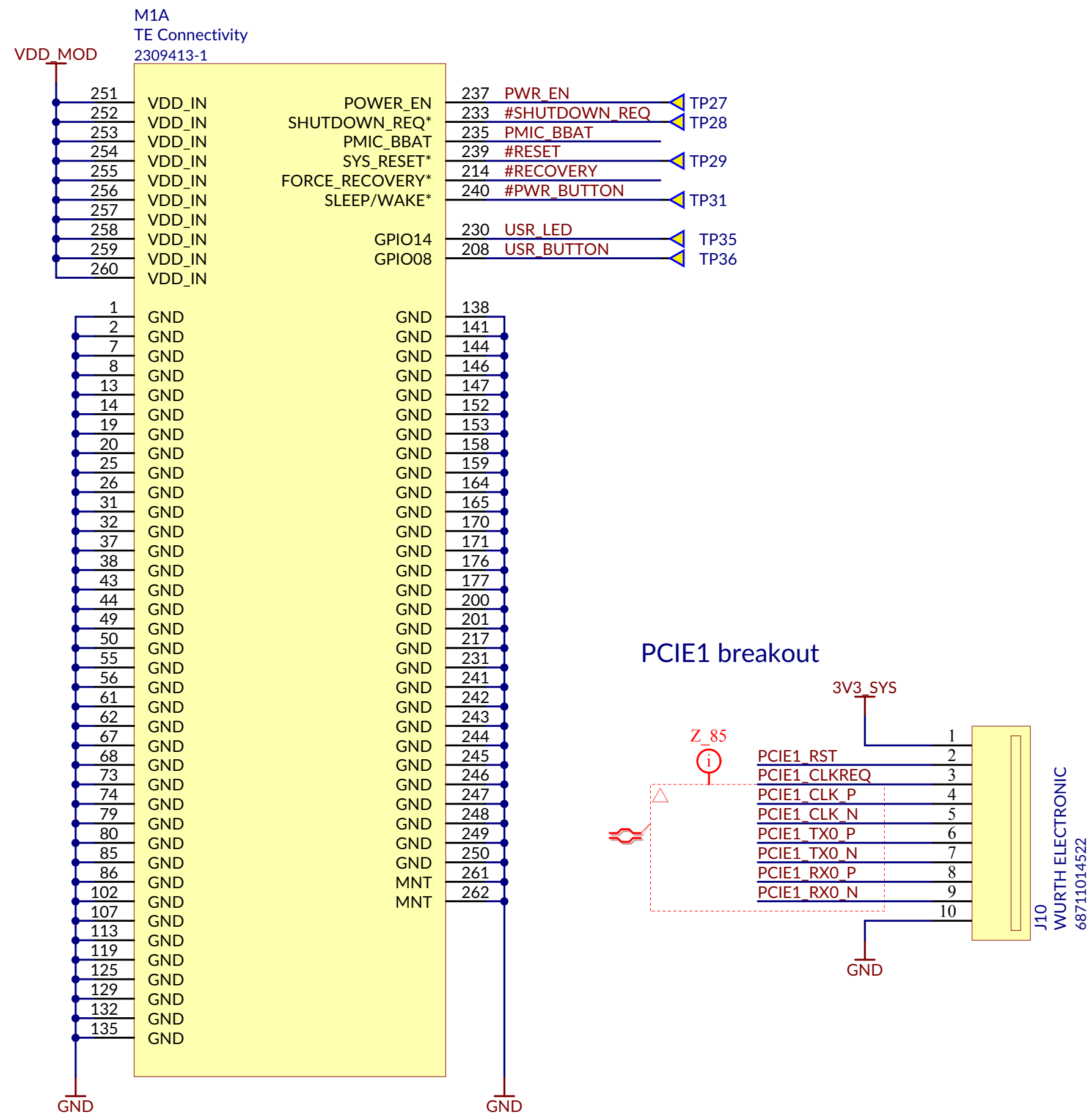
EEPROM with Unique ID

TX2 uses RM24C128



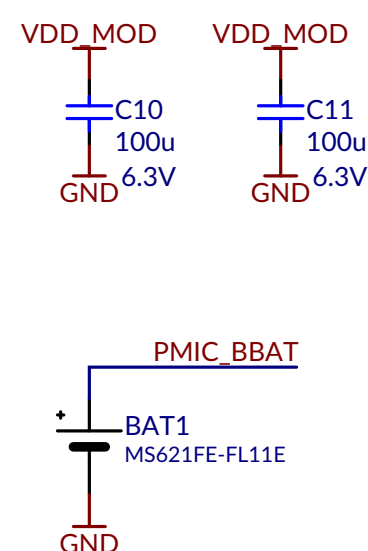


## SoM interfaces

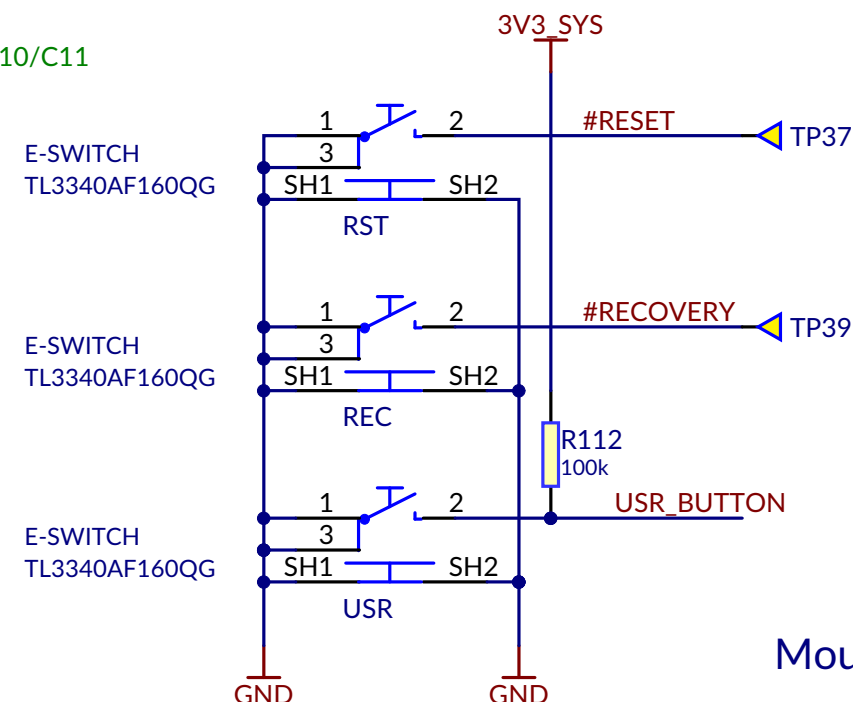


## Bypass Capacitors

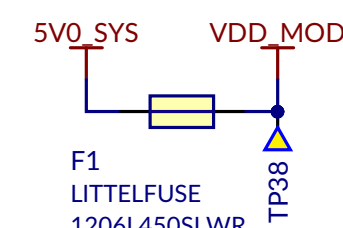
Note:  
Consider installing tantalum alternatives for C10/C11  
like Vishay TMCMA0J107MTRF



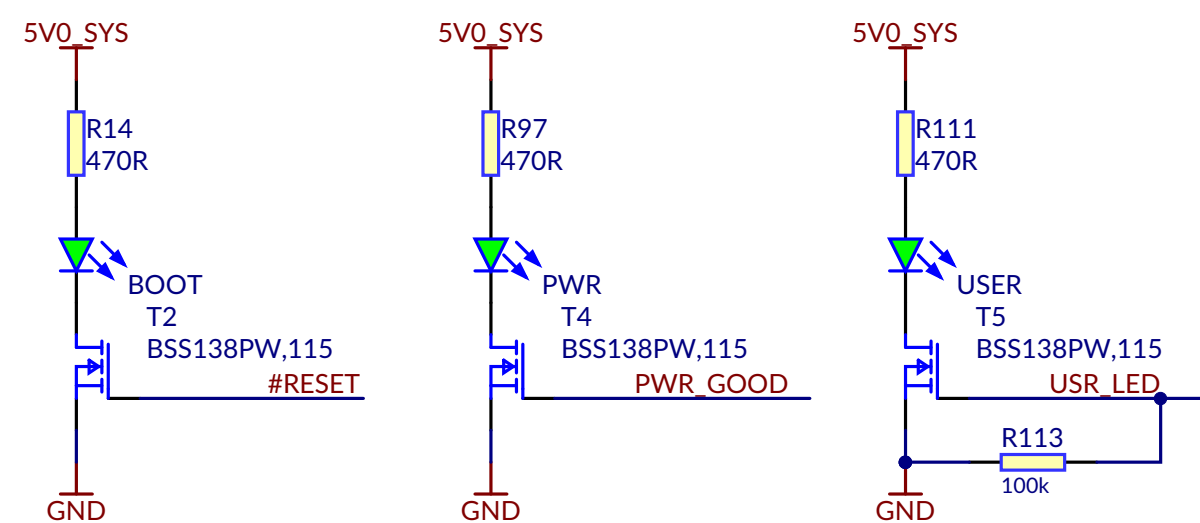
## System Buttons



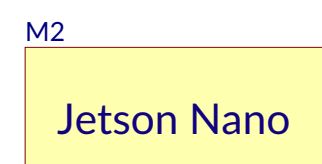
## Module power



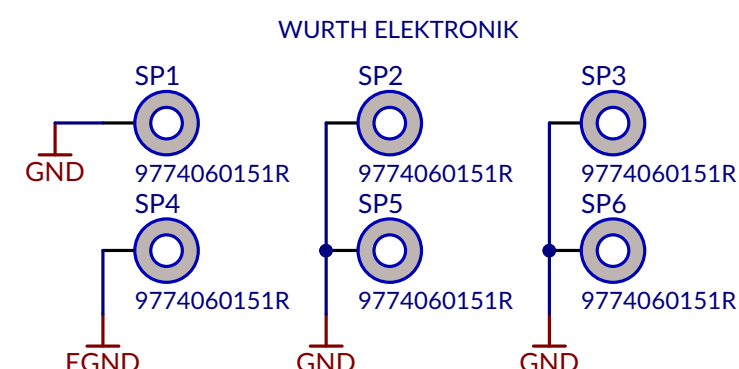
## System Status



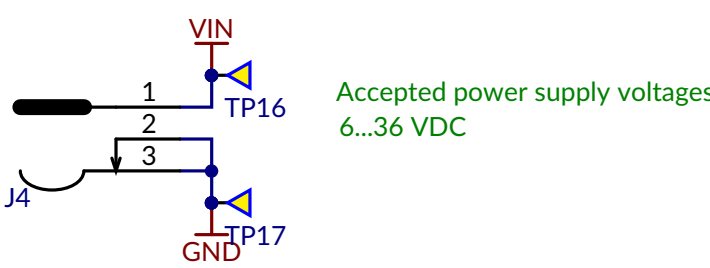
## Mechanical model



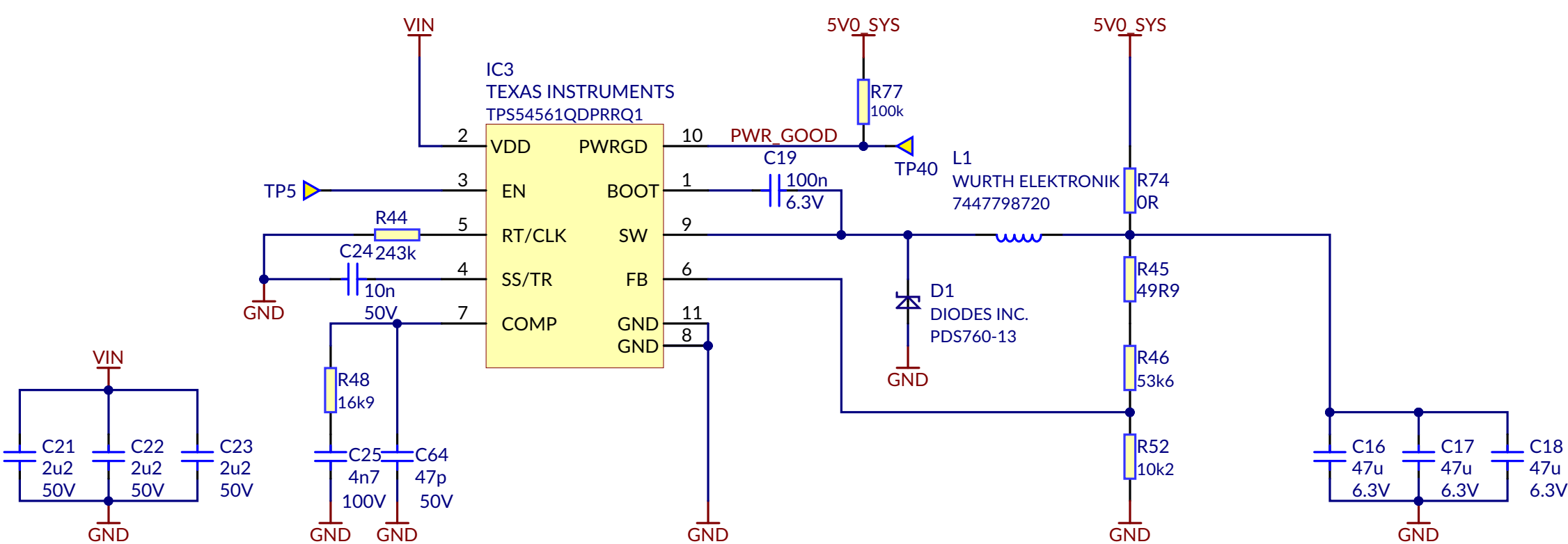
## Mounting studs



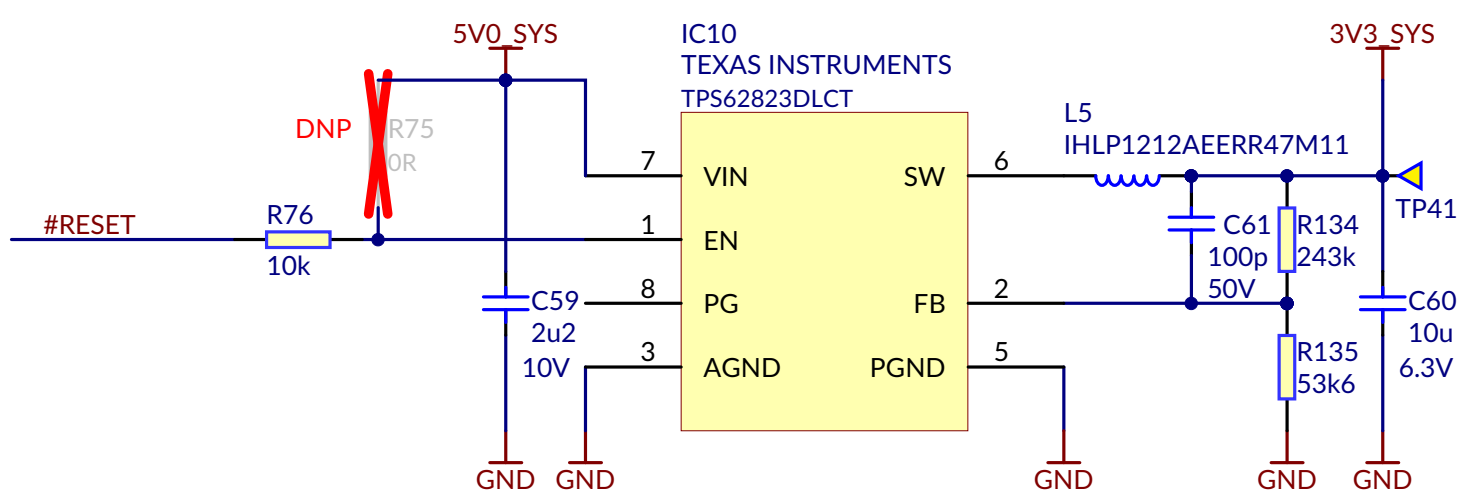
Power input



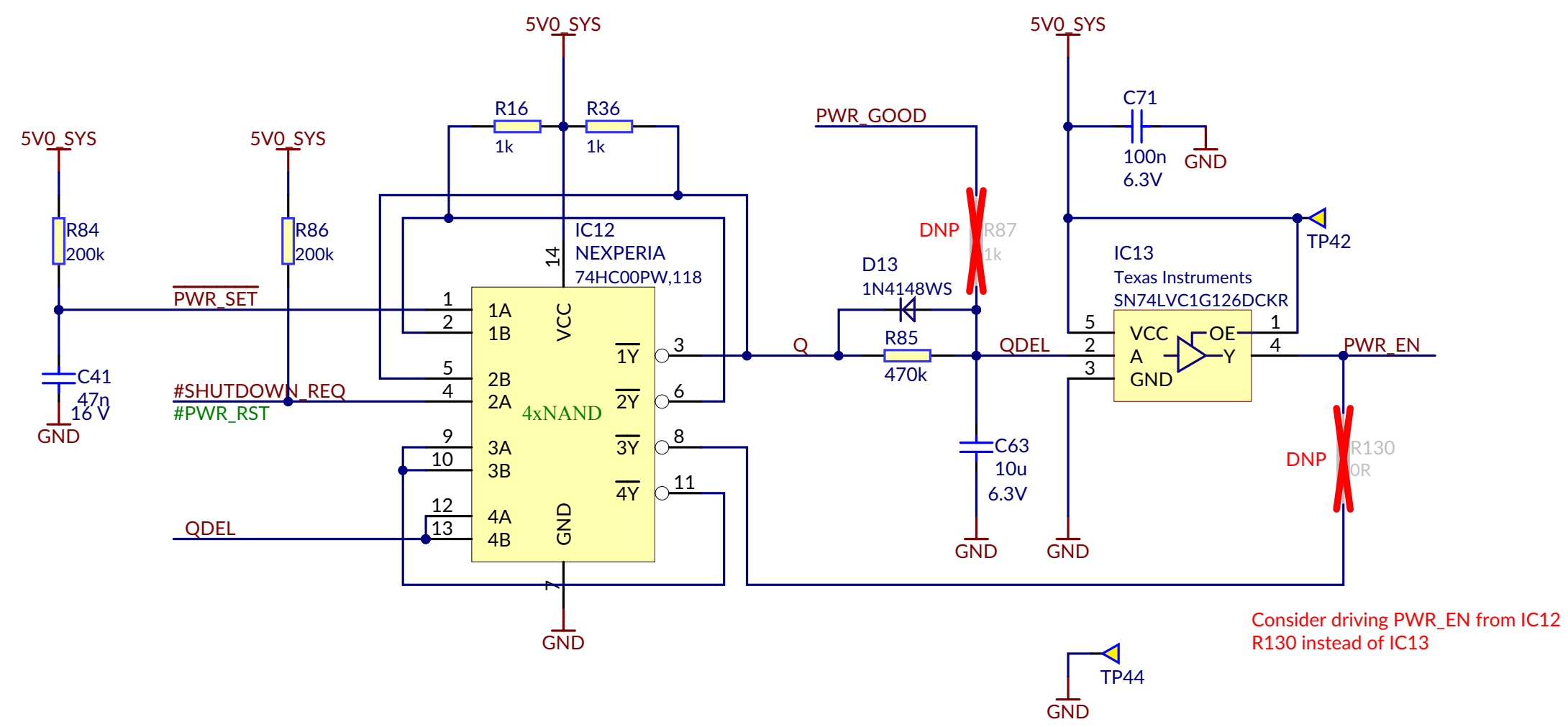
Main DC/DC



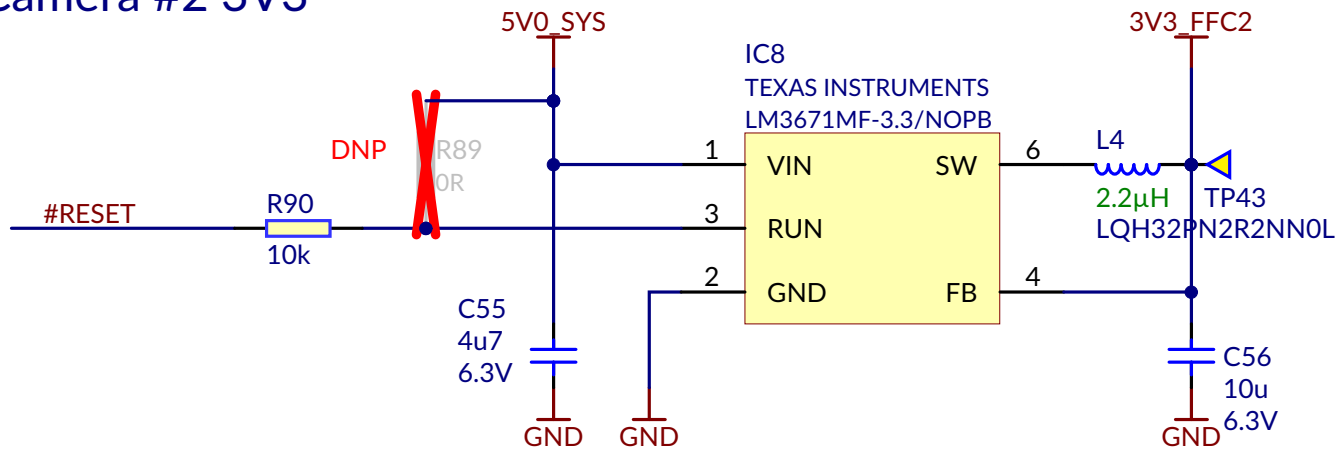
System 3V3



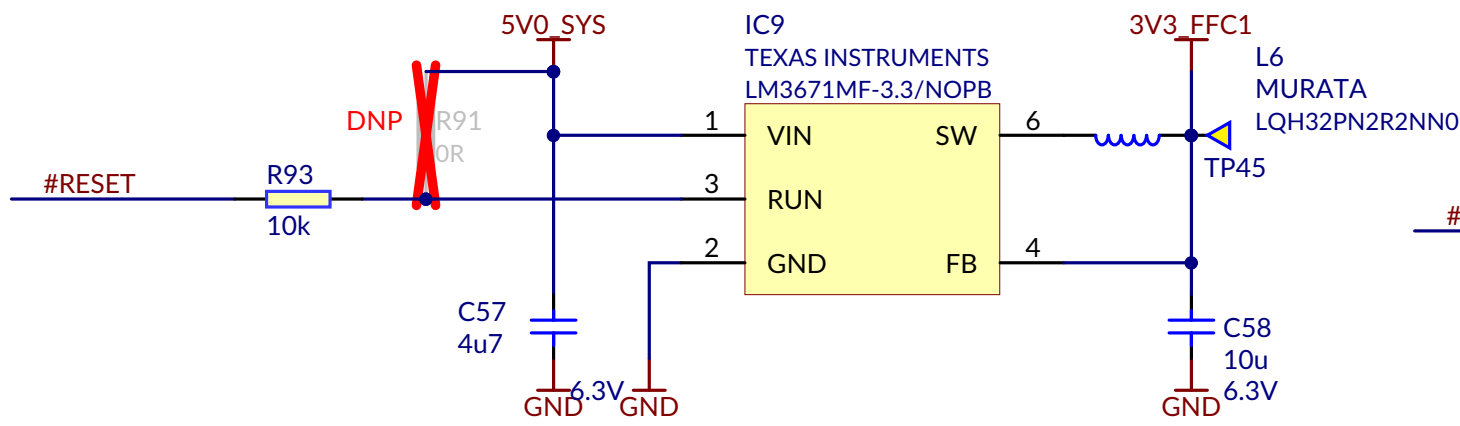
Power sequencer



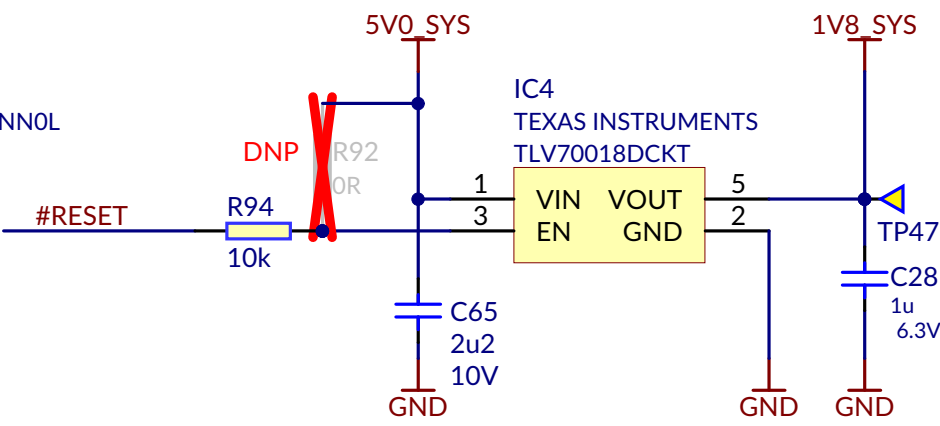
Camera #2 3V3



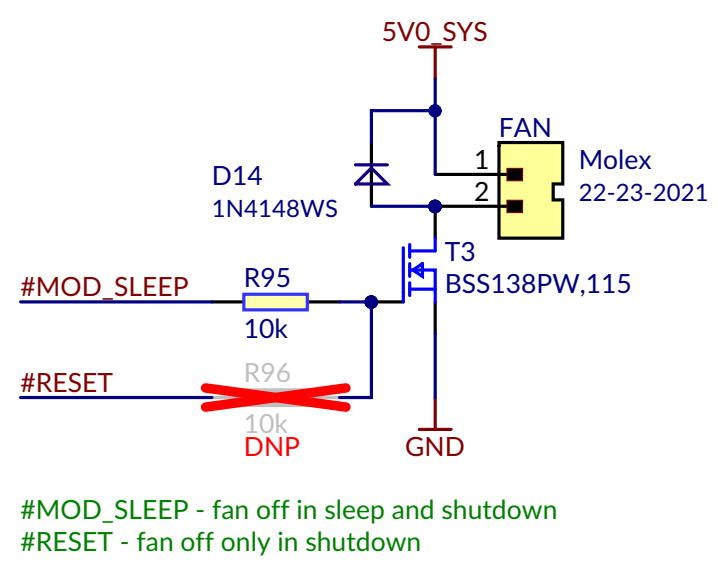
Camera #1 3V3



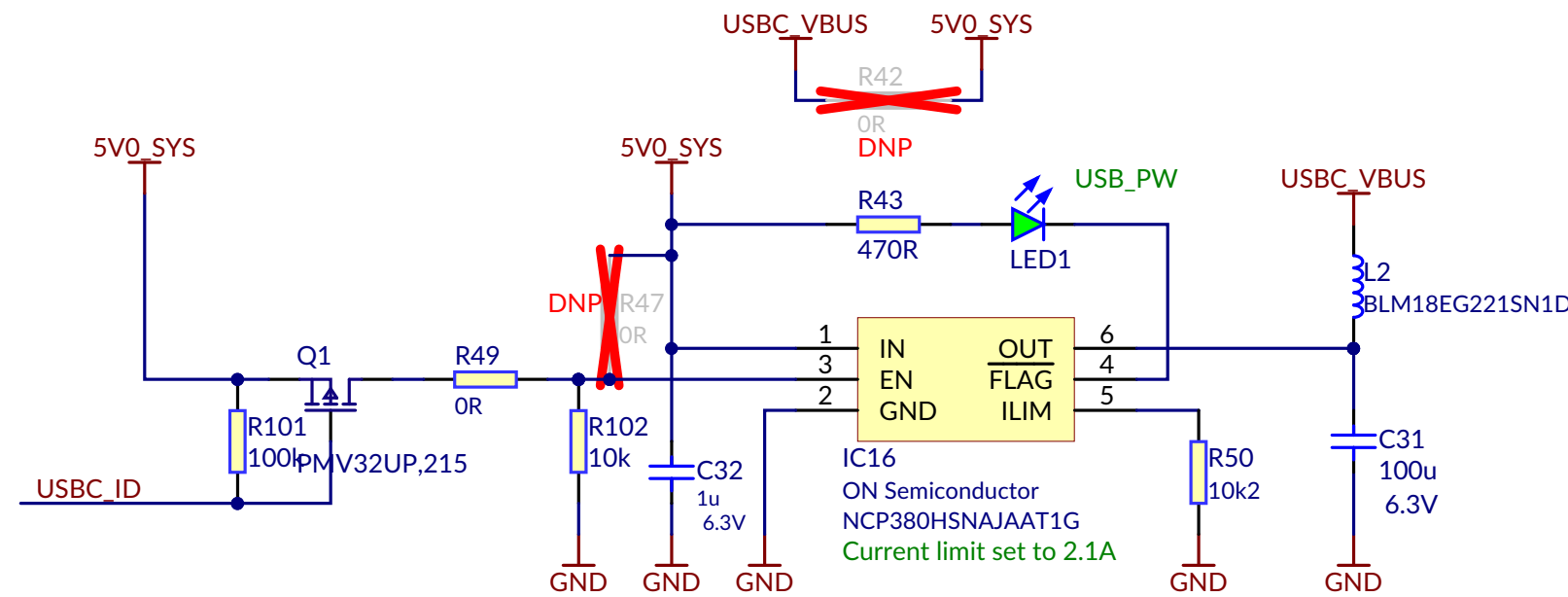
System 1V8



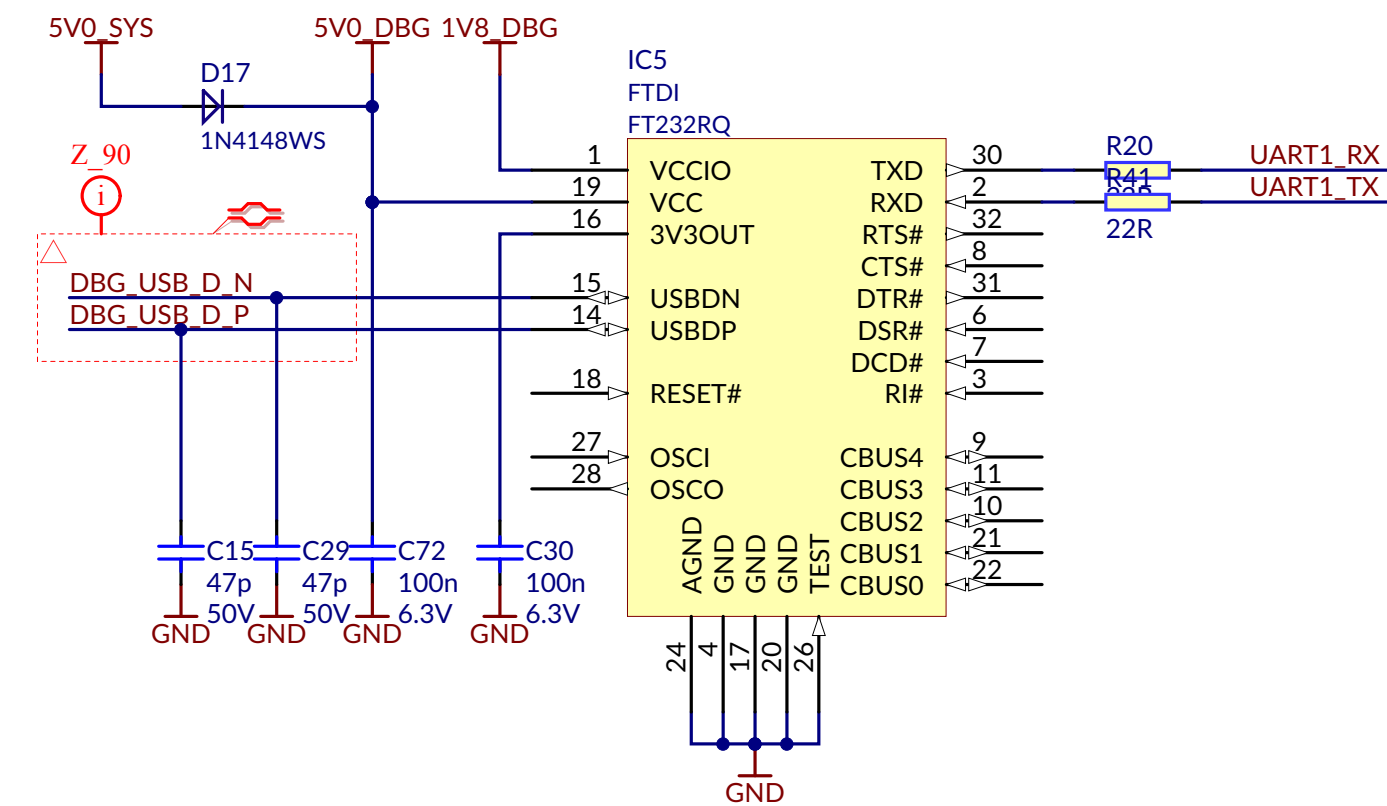
FAN 5V



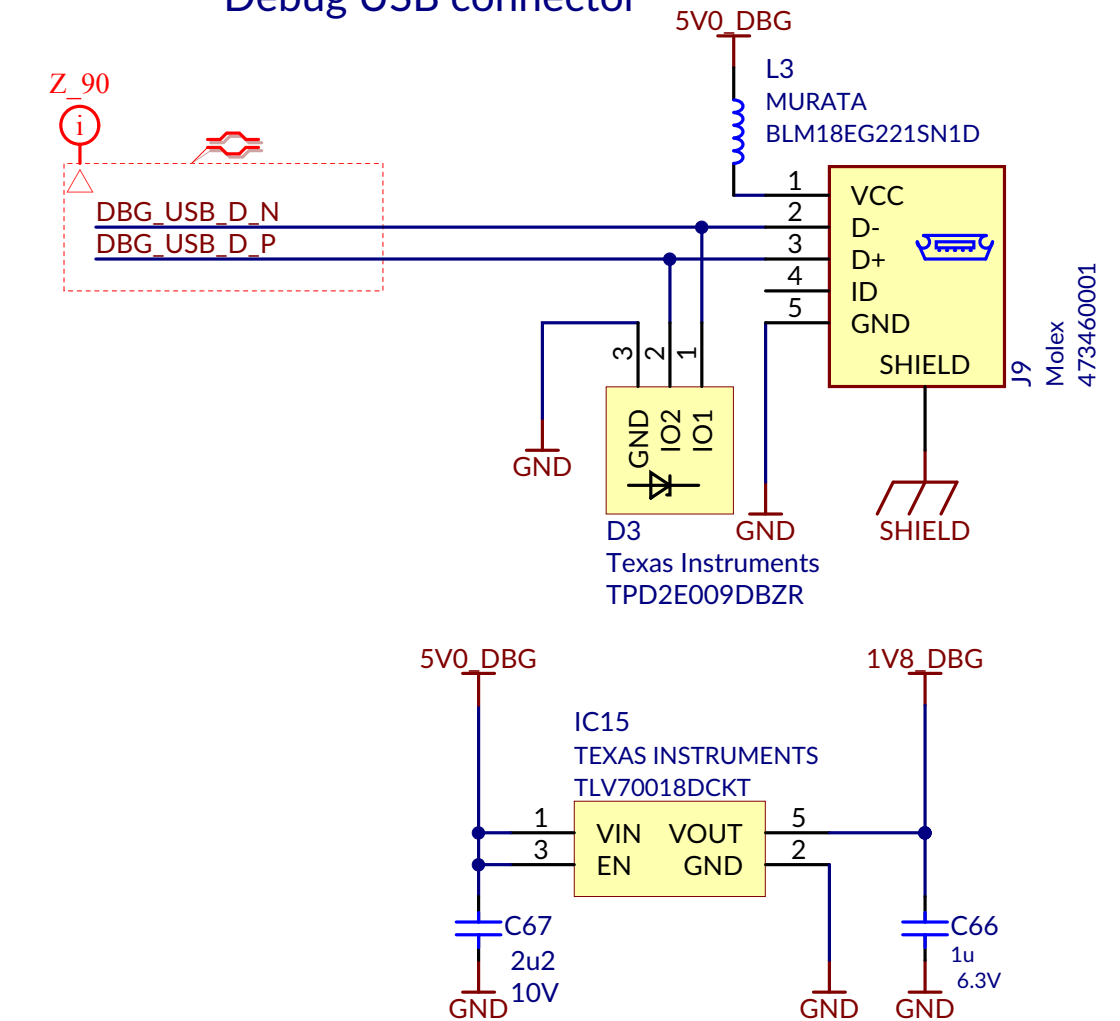
## USB Load Switch



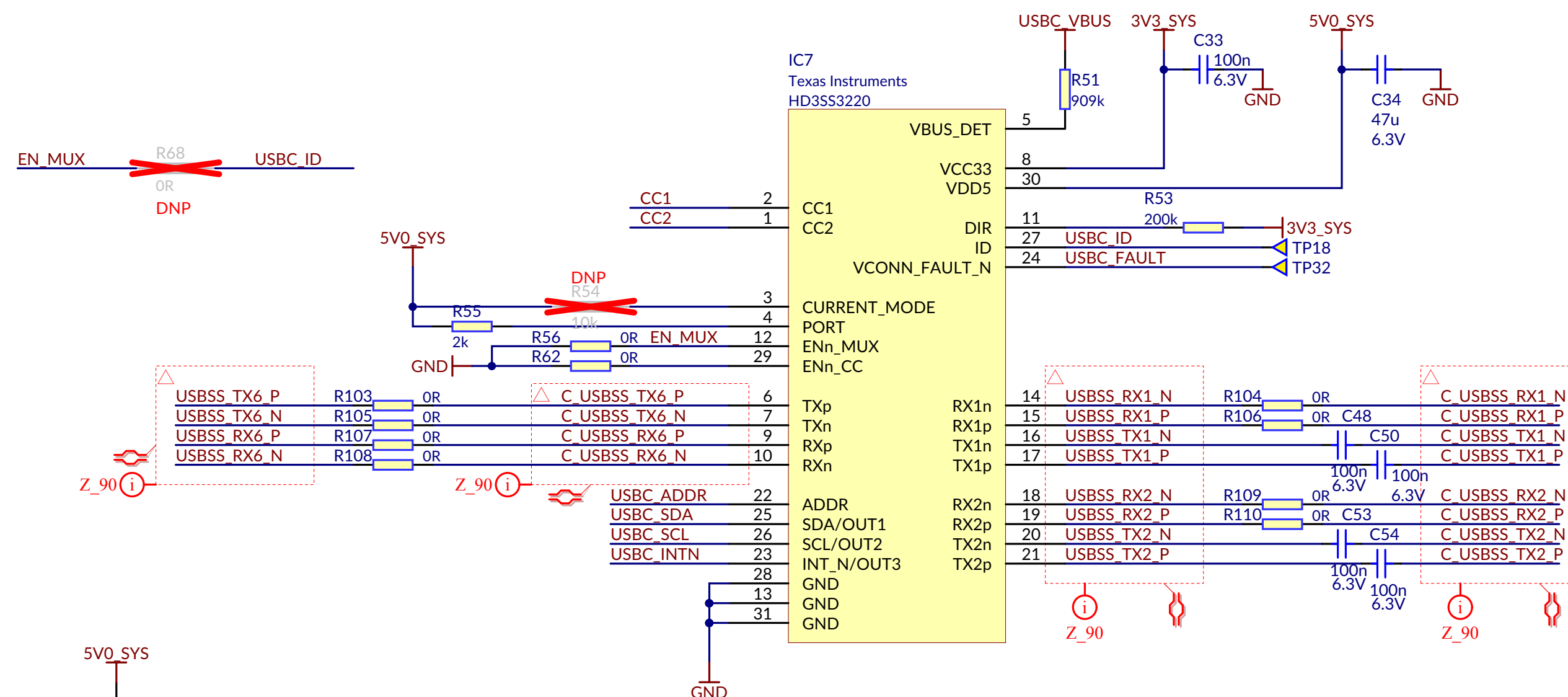
## Debug UART



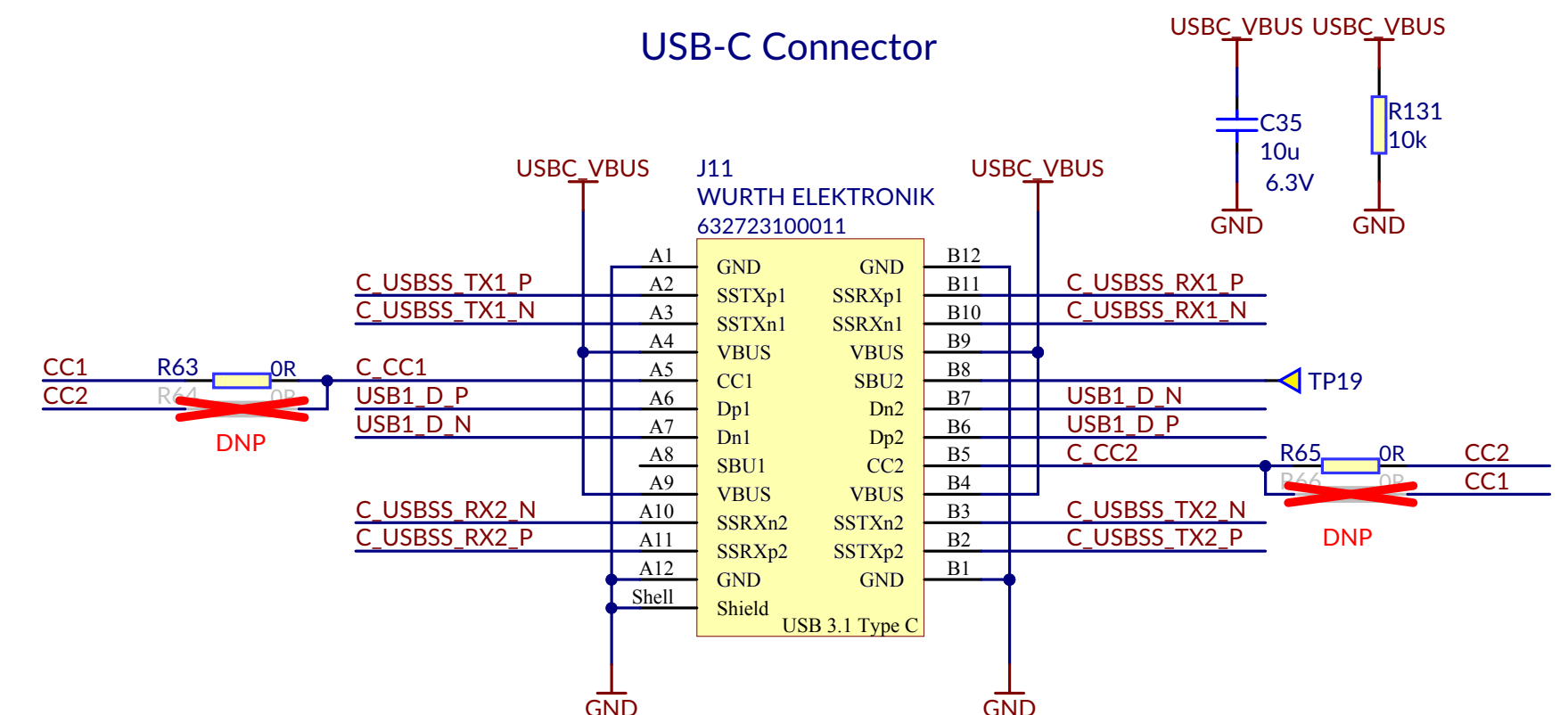
## Debug USB connector



## USB-C Multiplexer



## USB-C Connector



## USB-OTG

