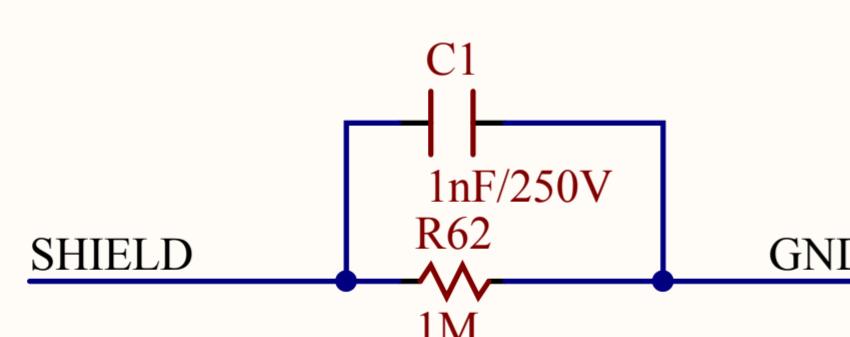
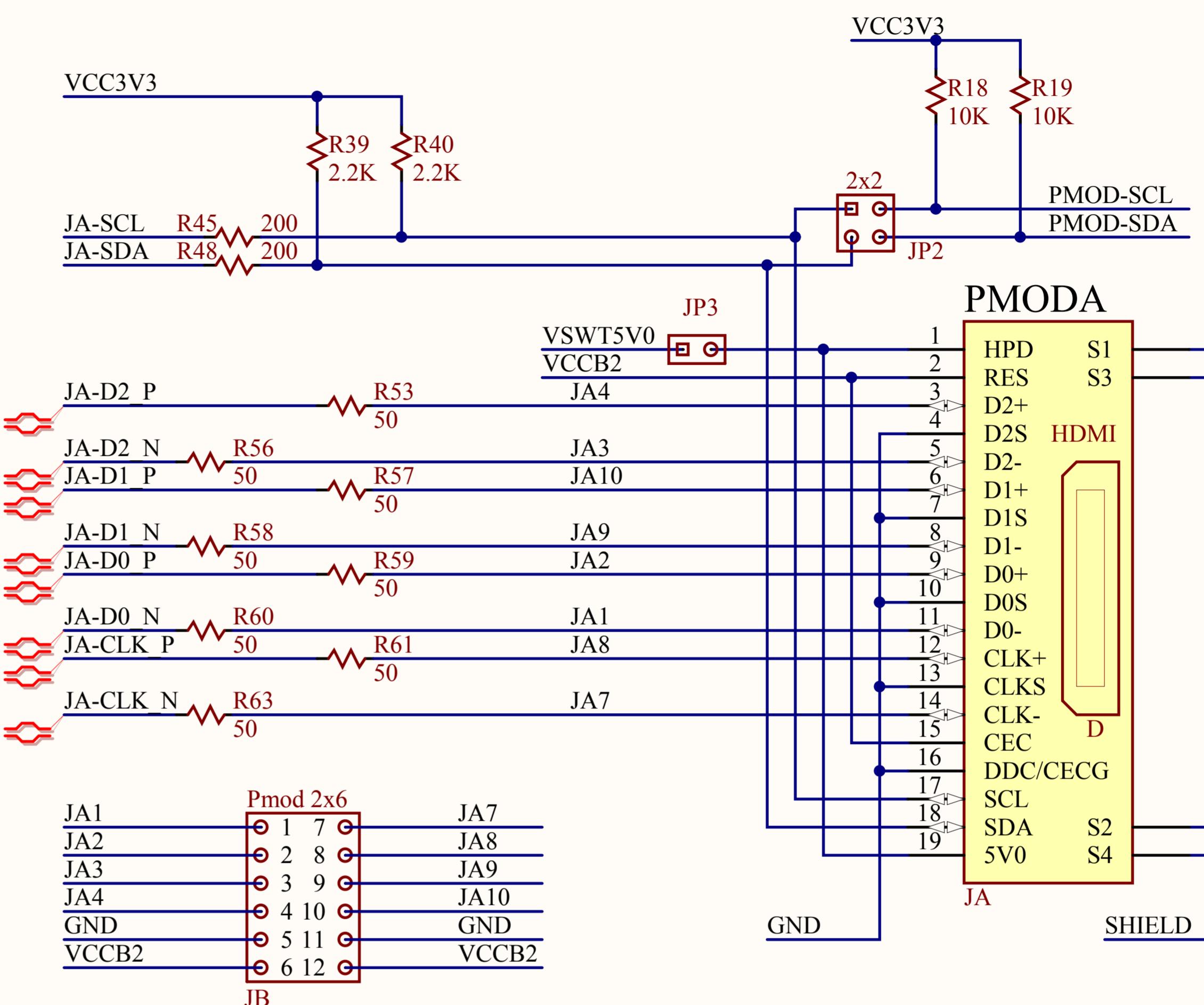
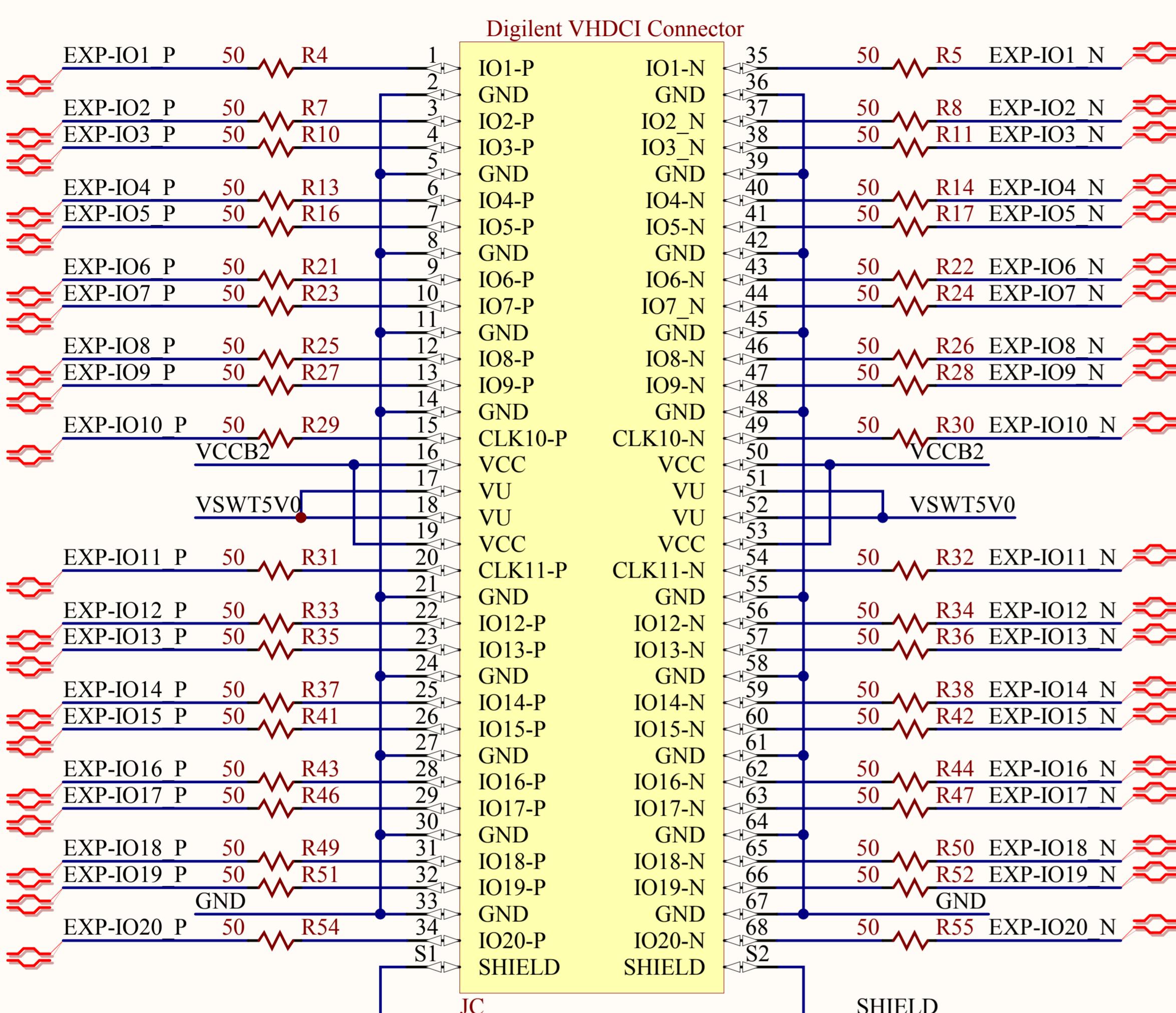
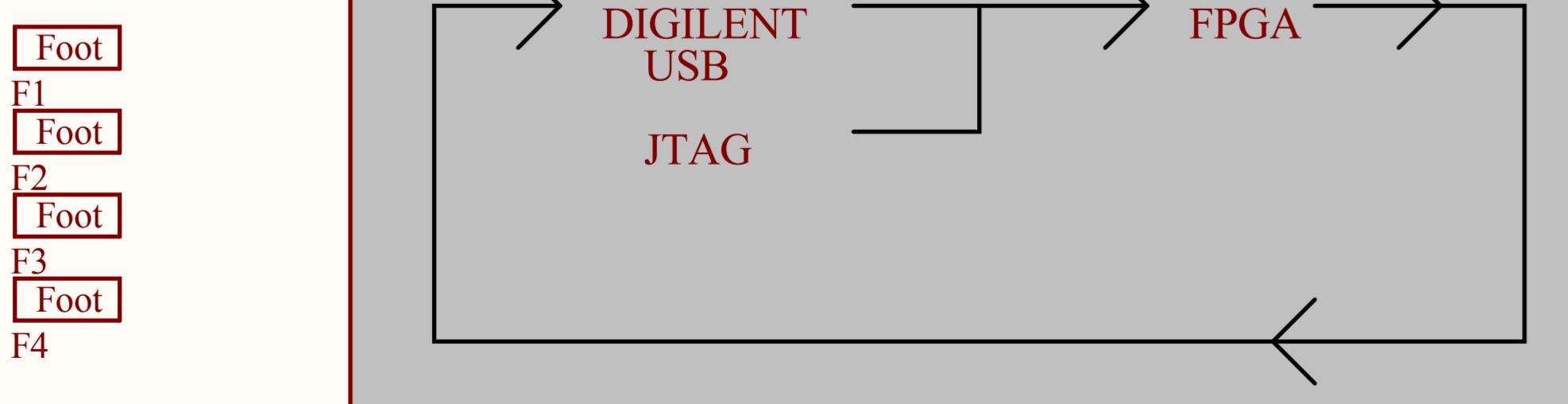
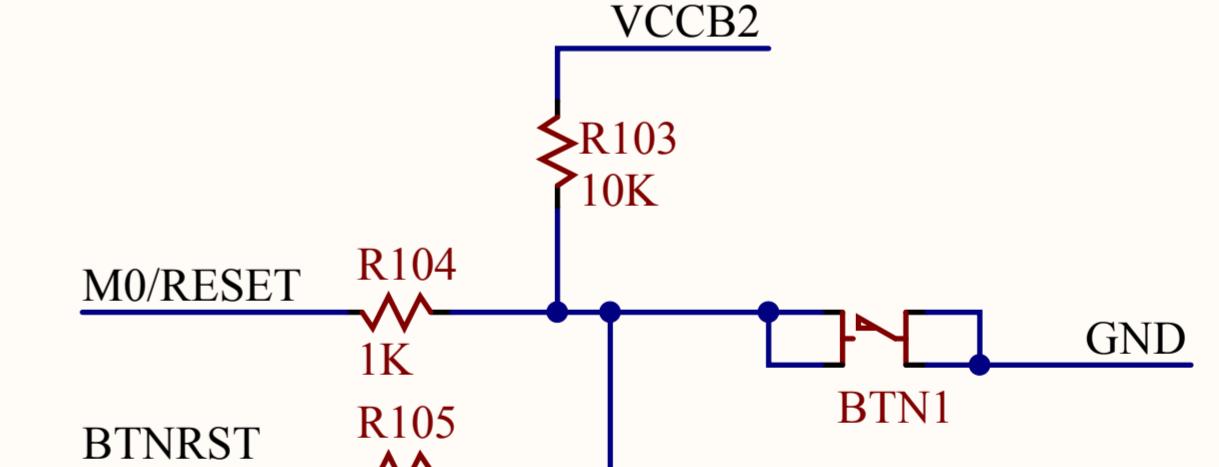
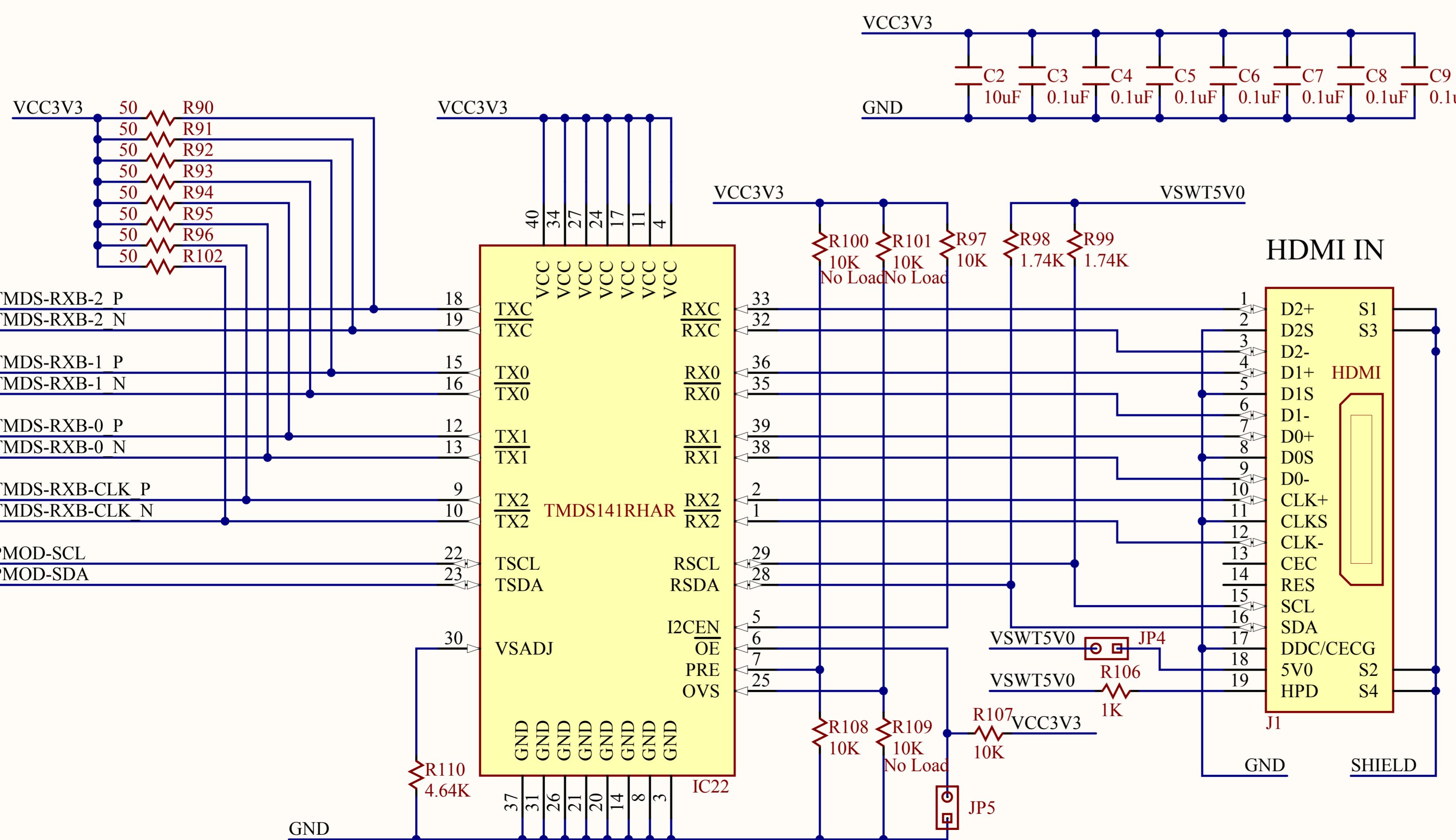
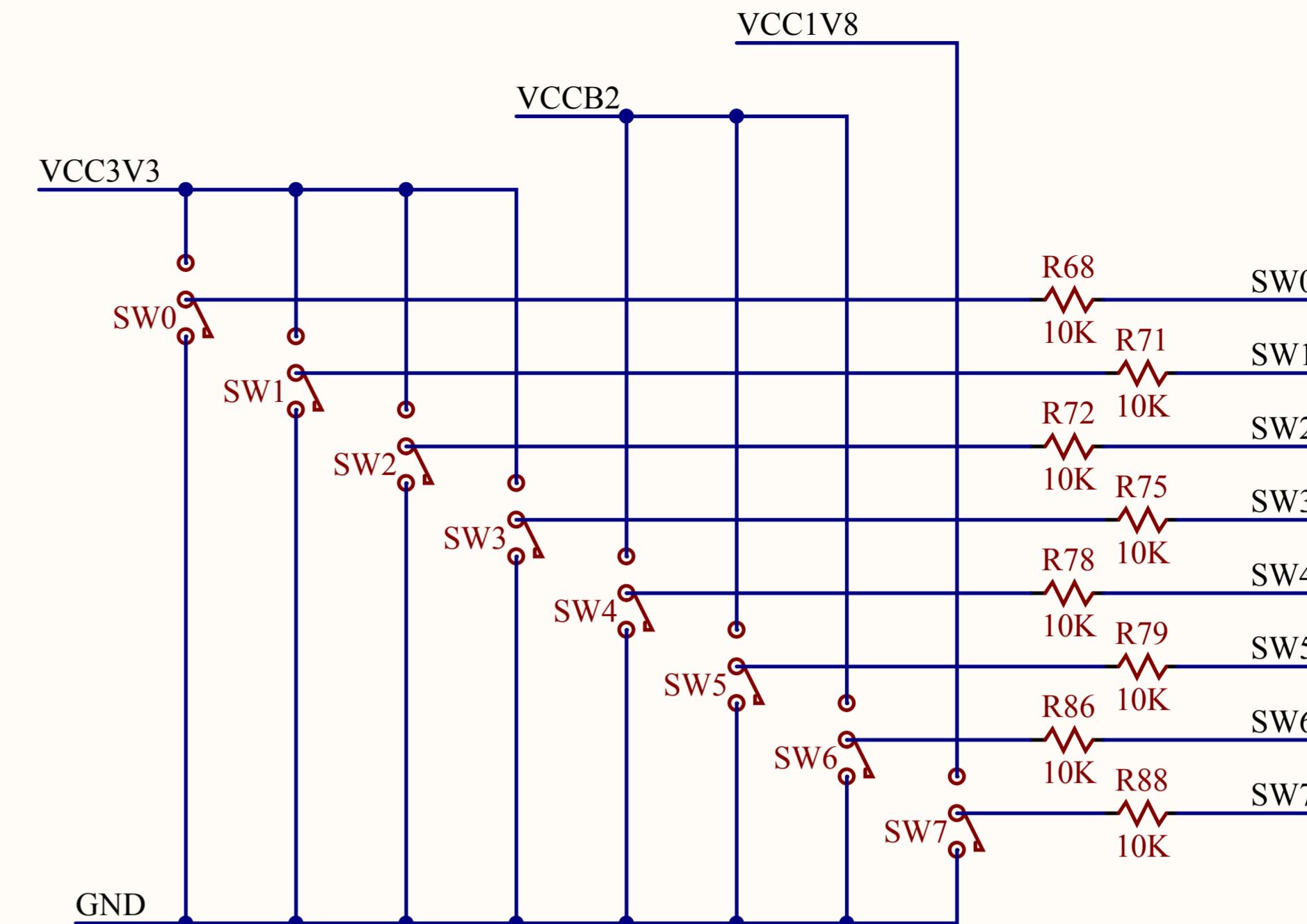
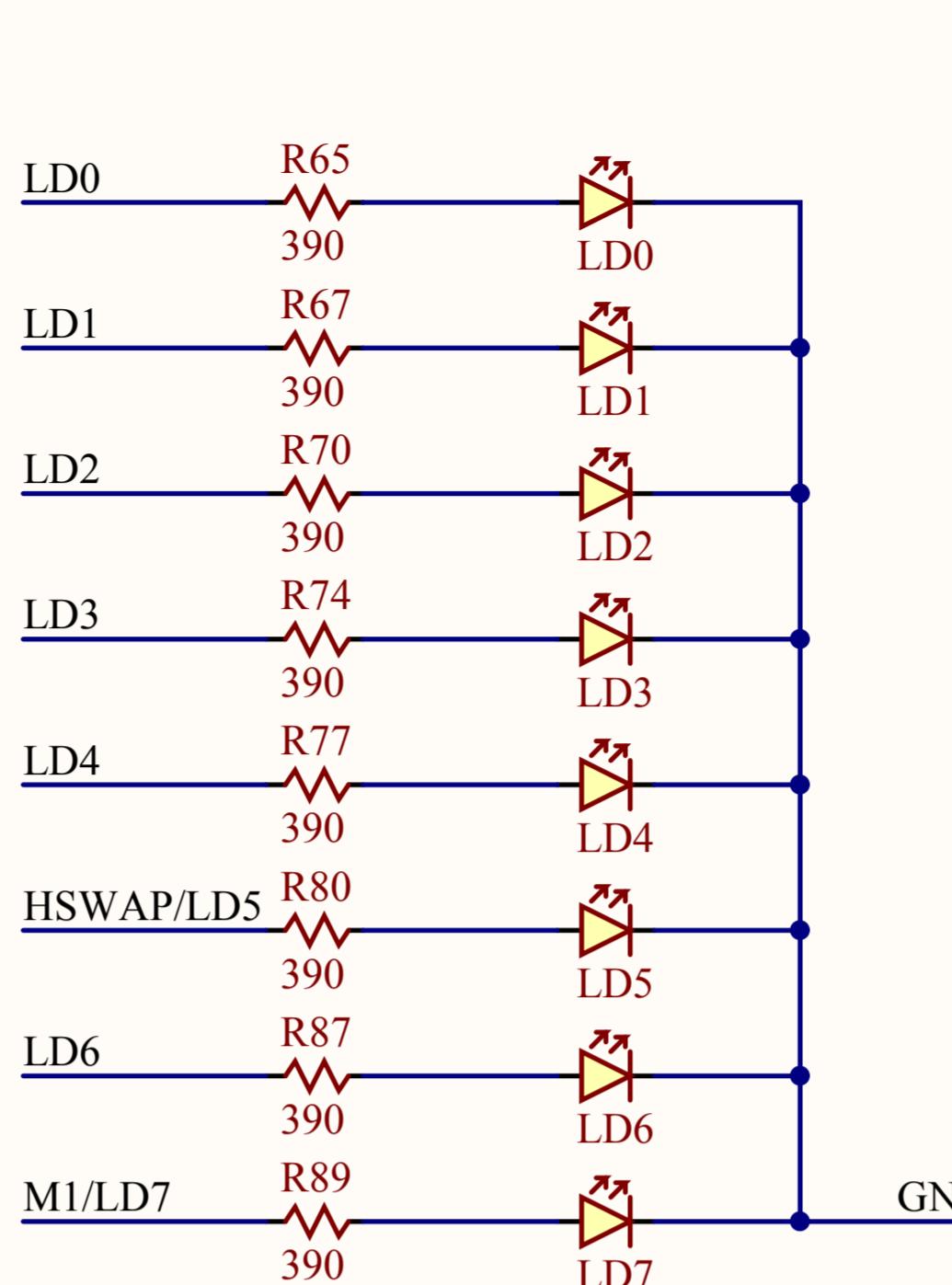
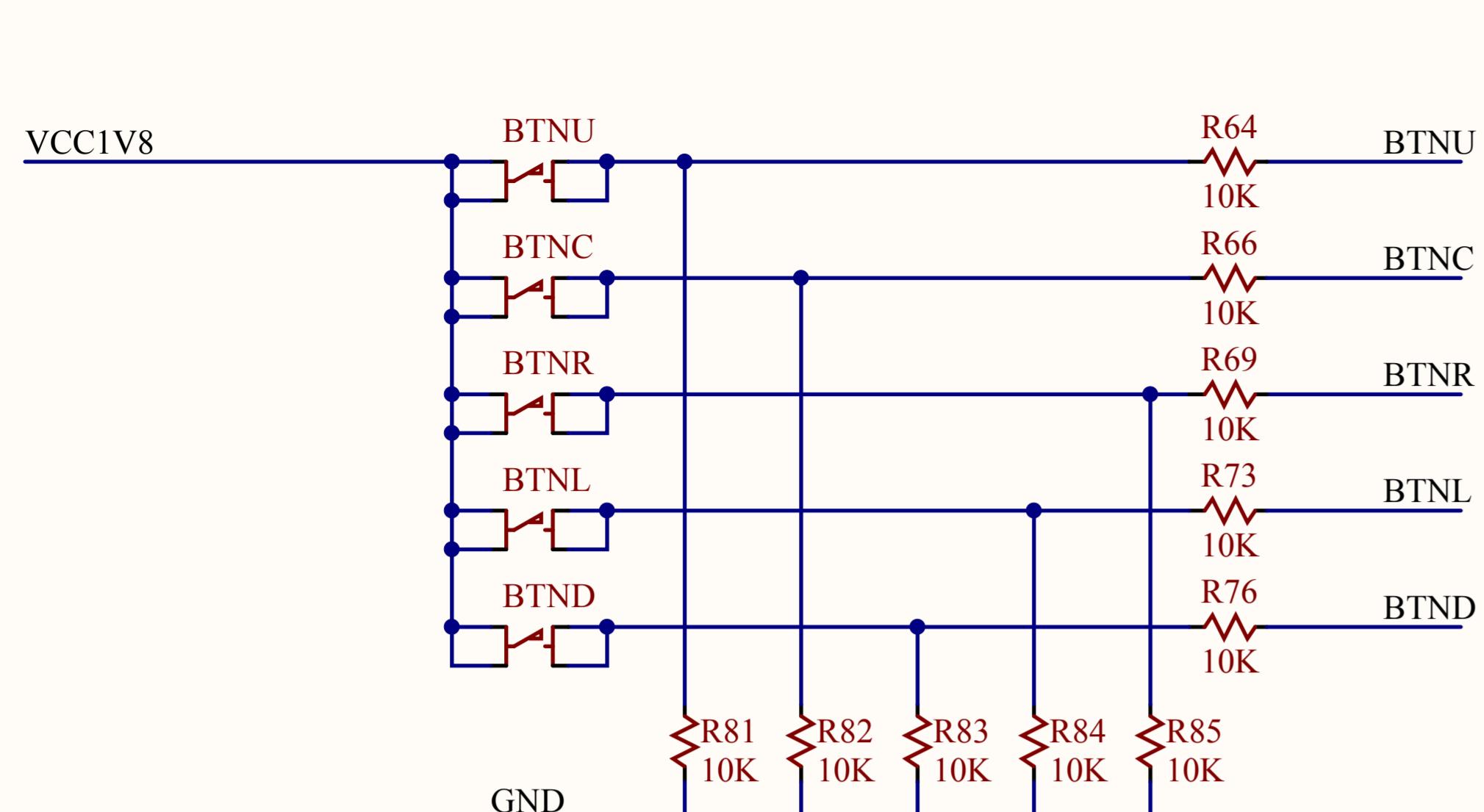


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JTAG SCAN CHAIN





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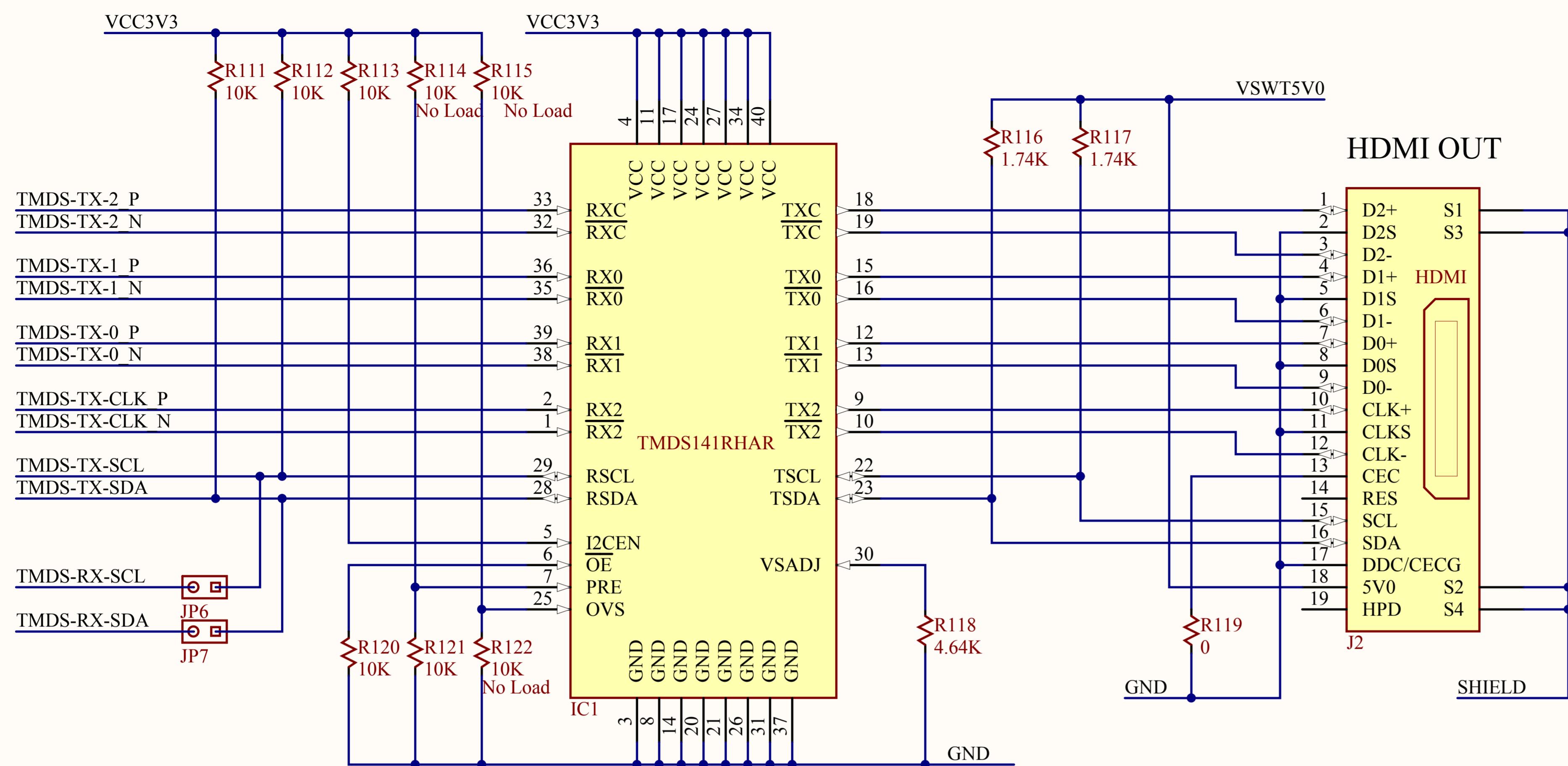
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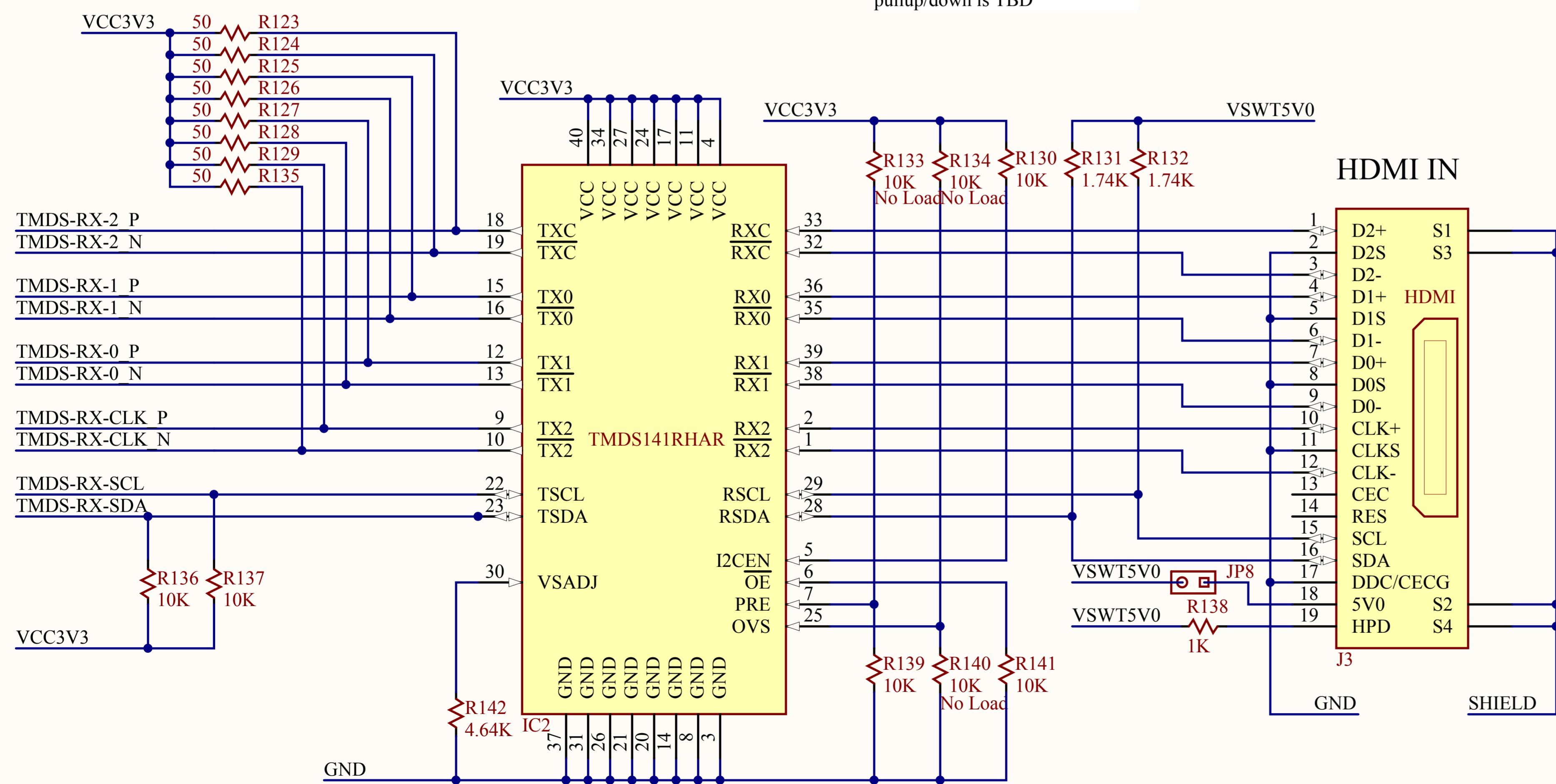
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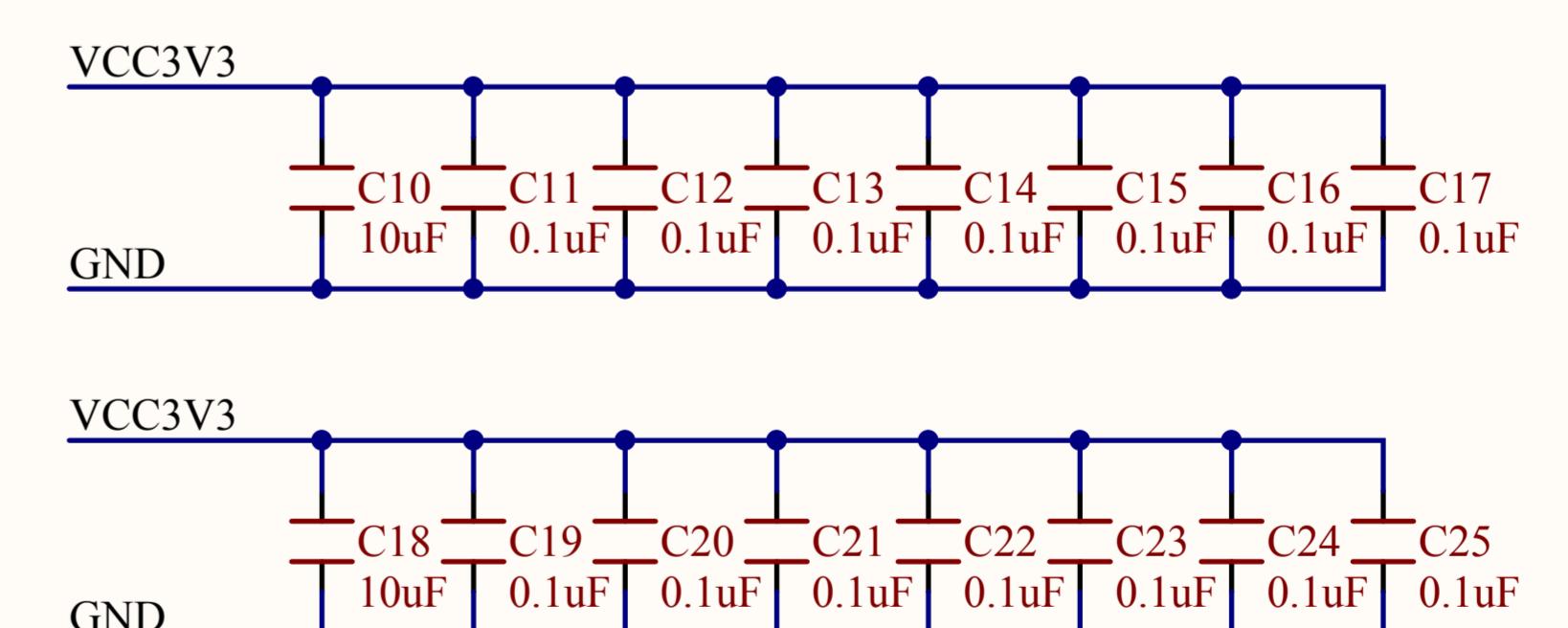
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NOTE: OVS and PRE signal
pullup/down is TBD



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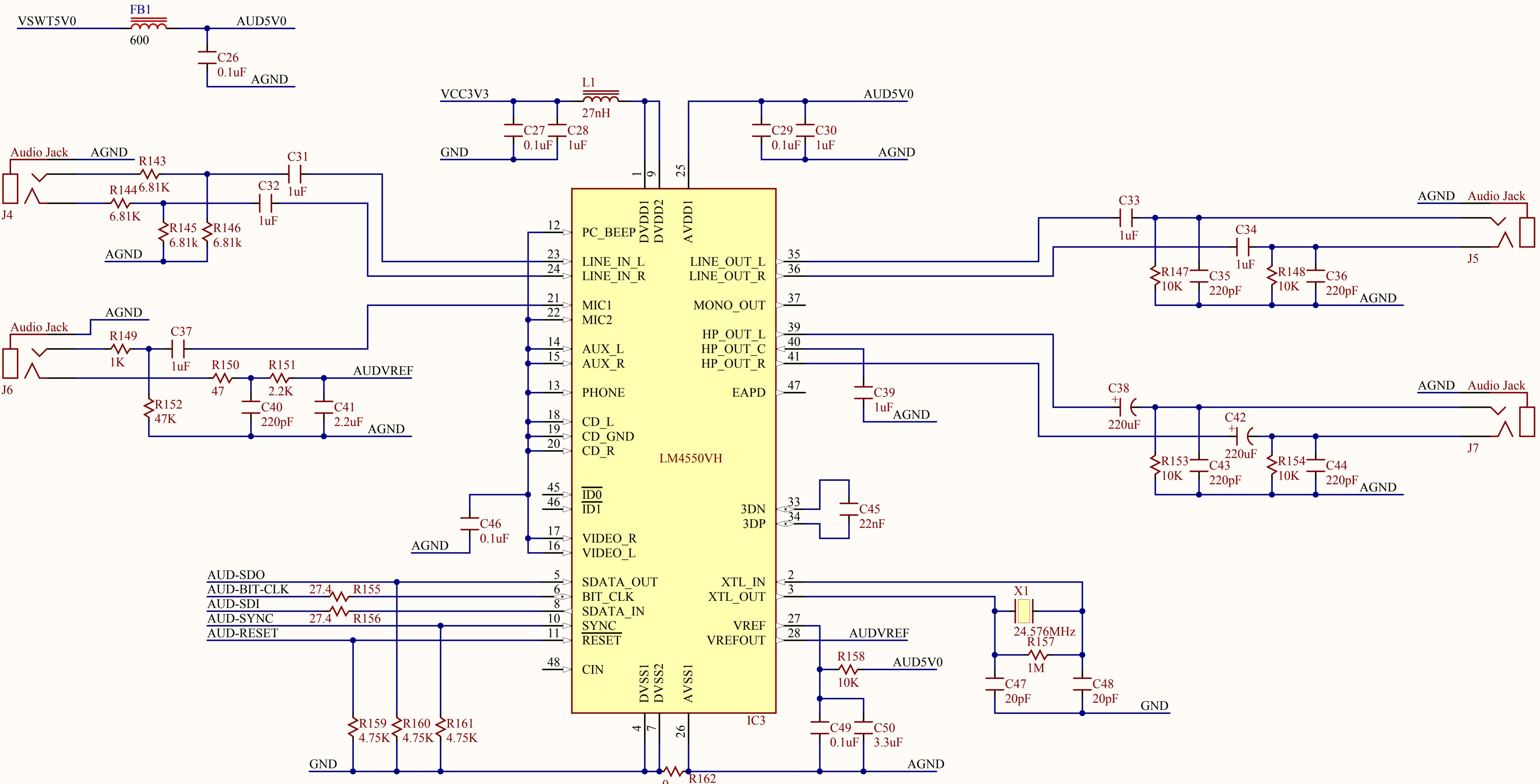
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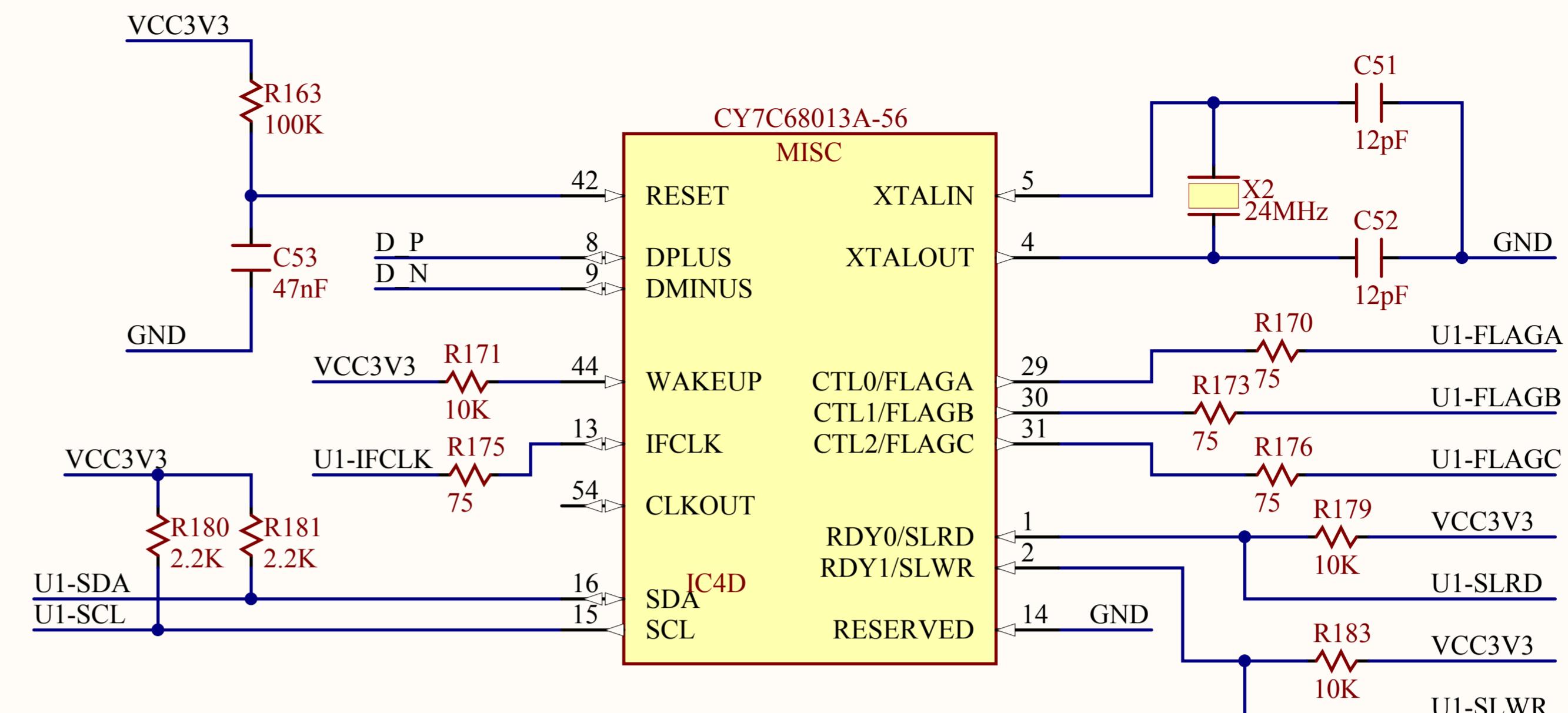
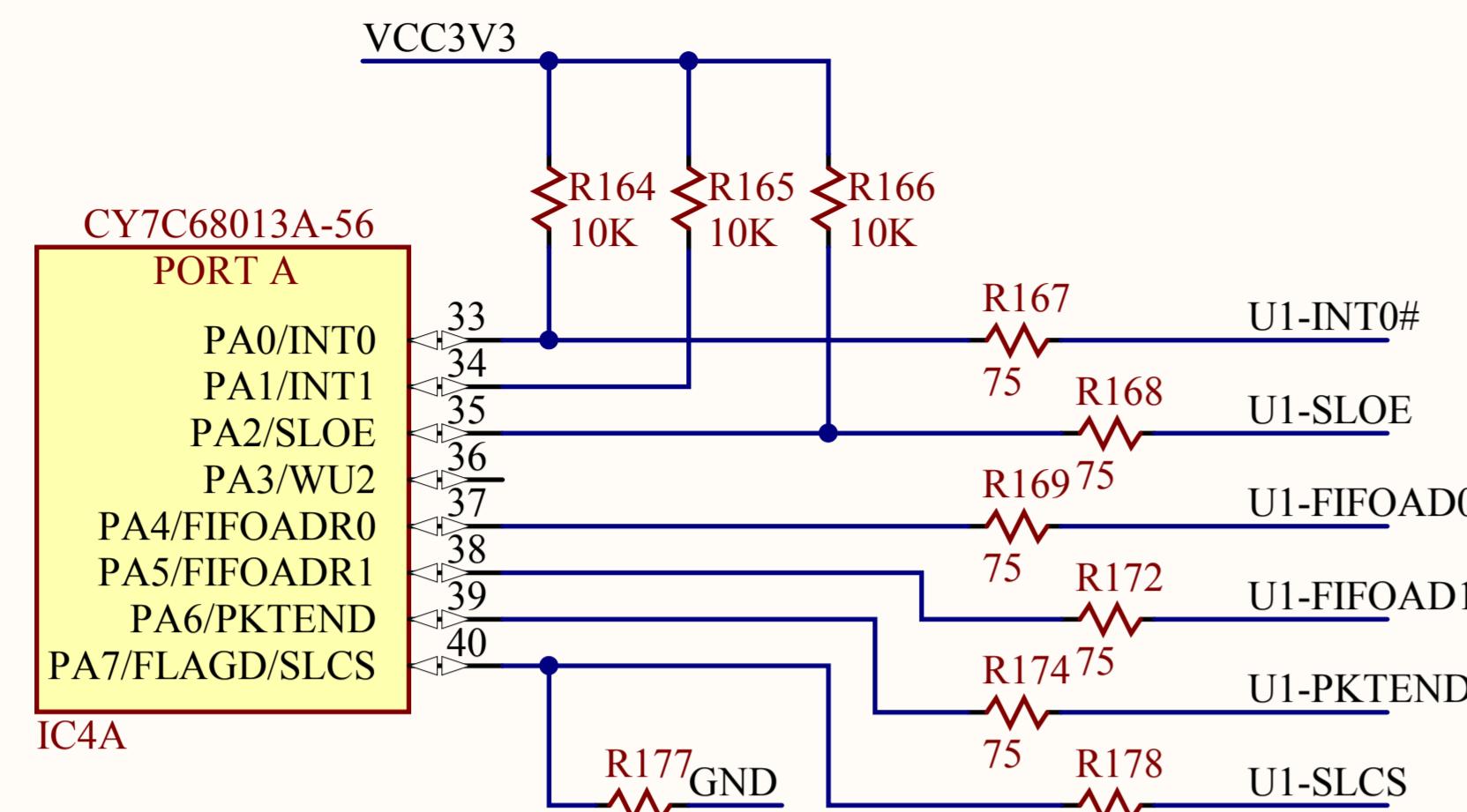
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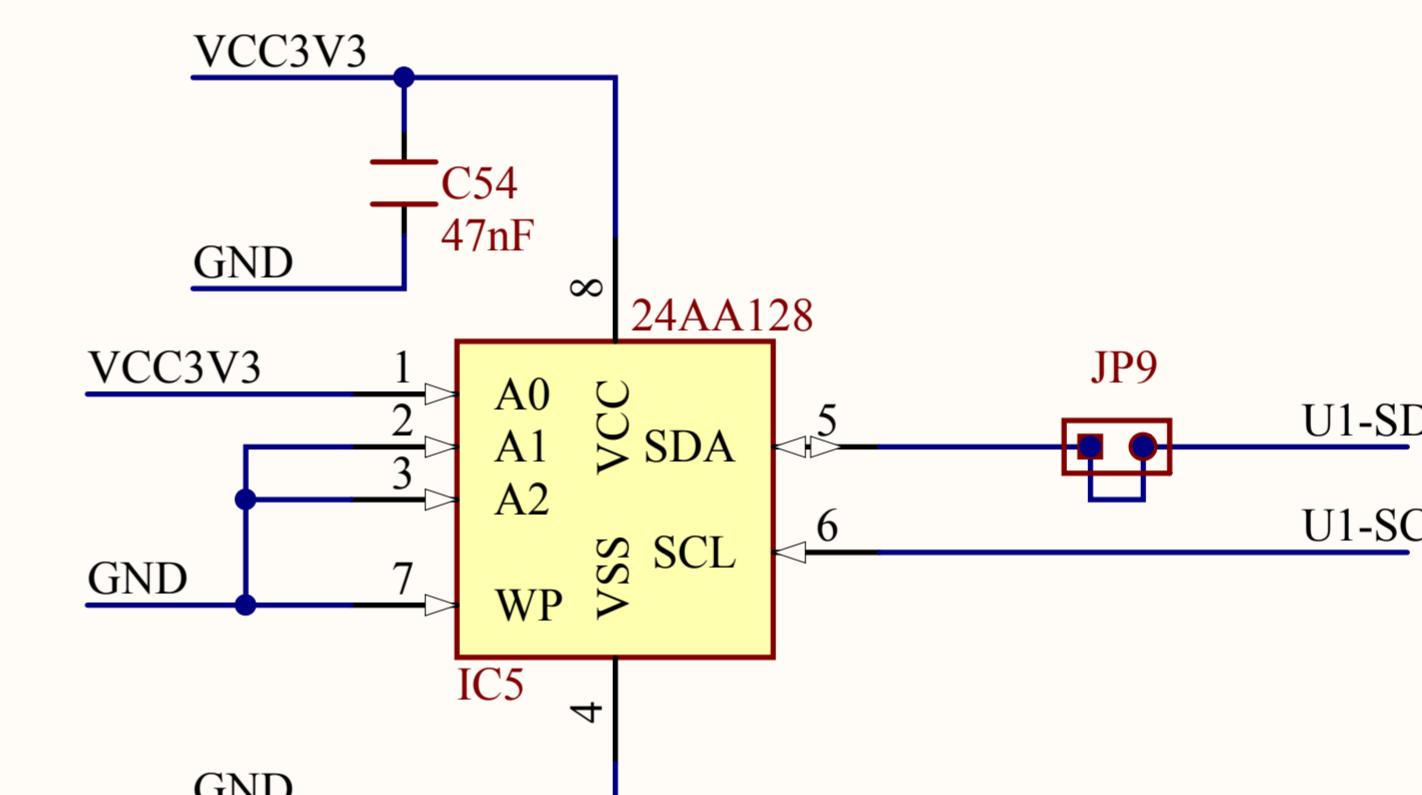
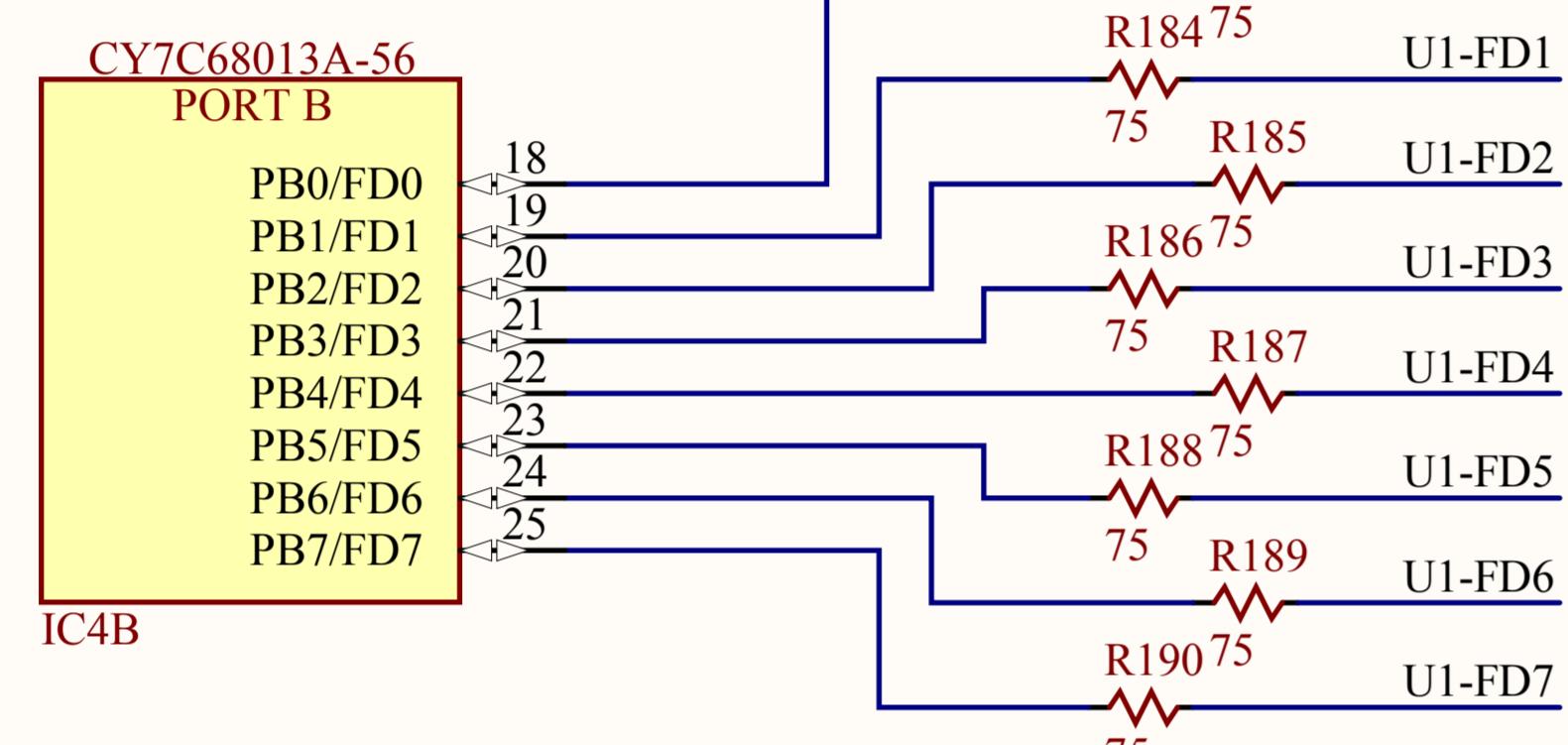
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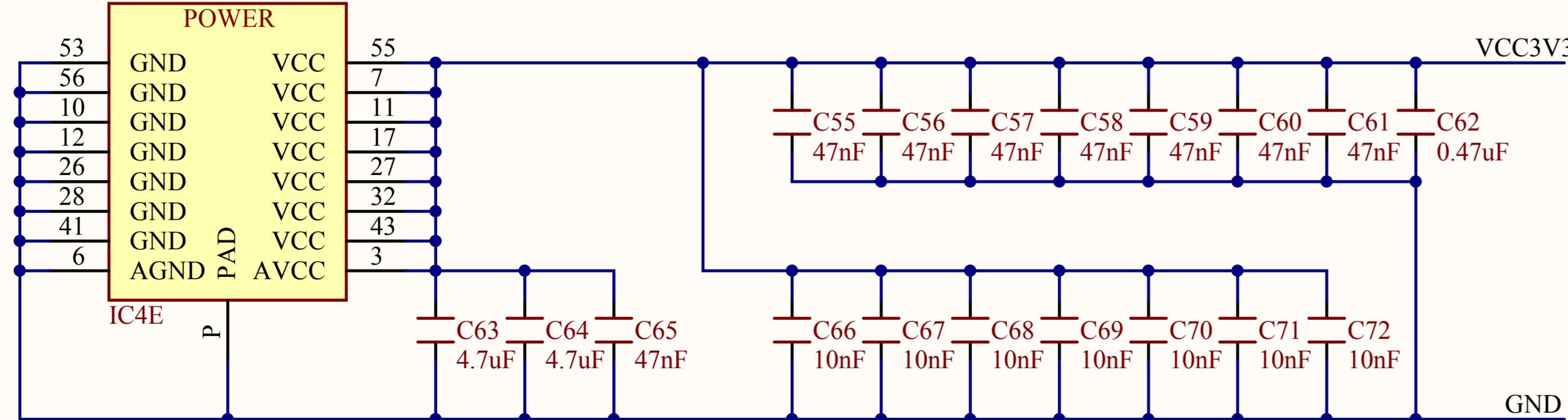
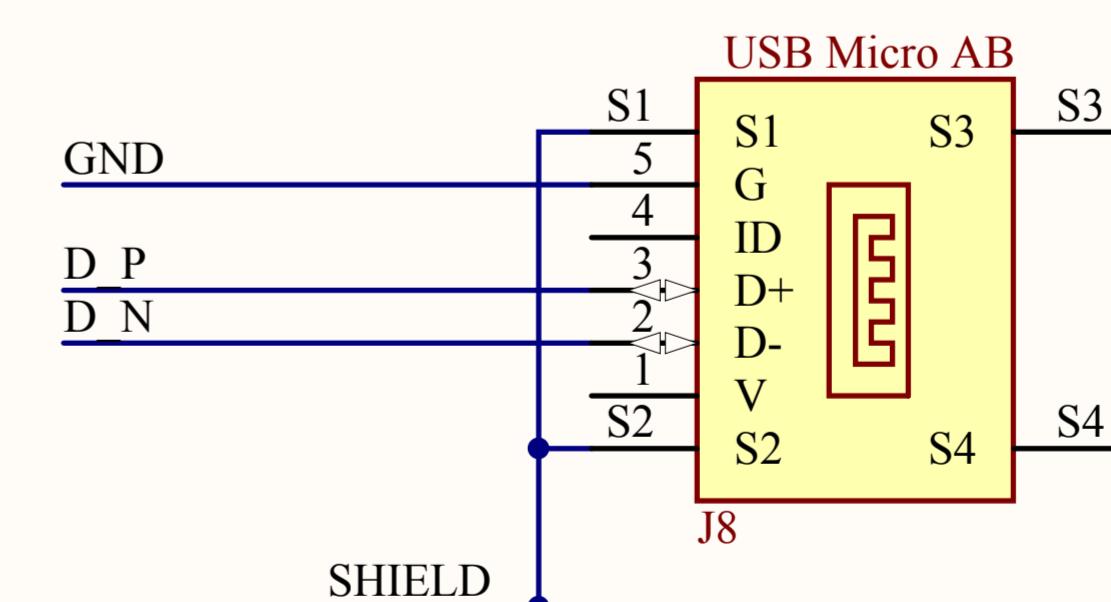
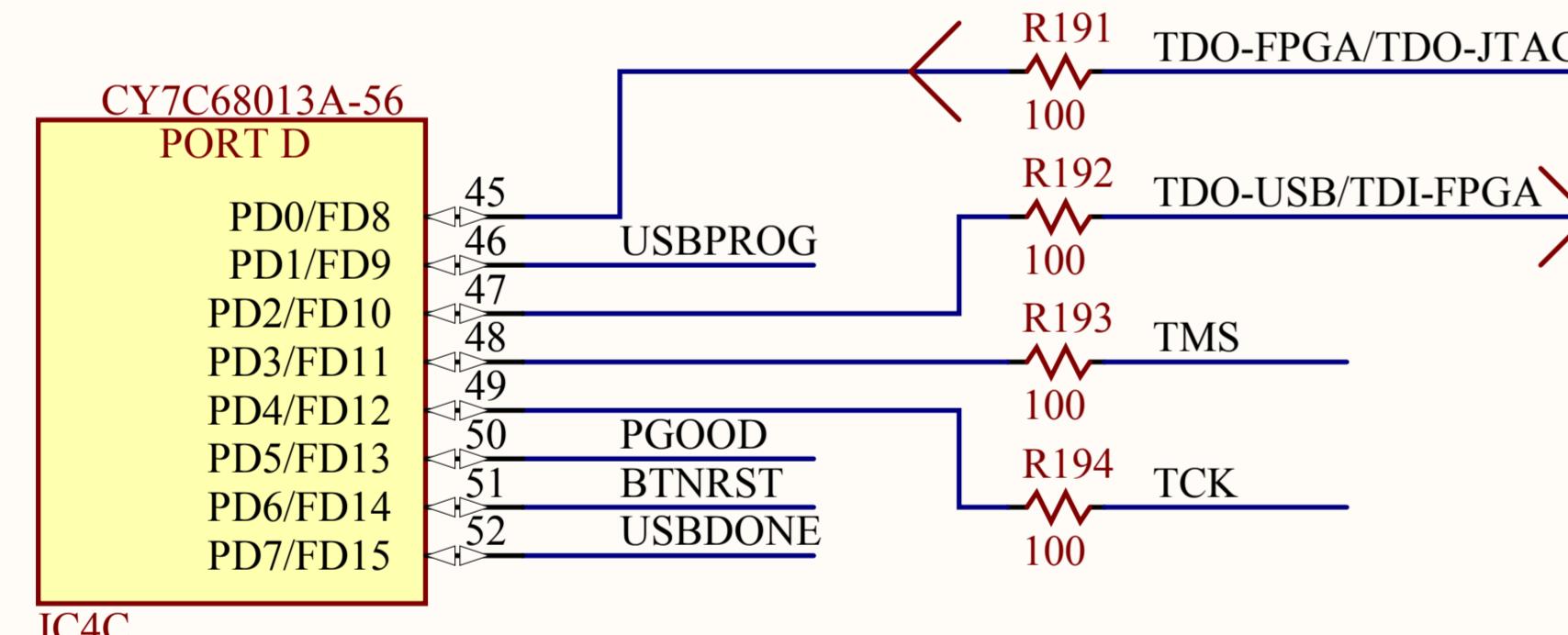
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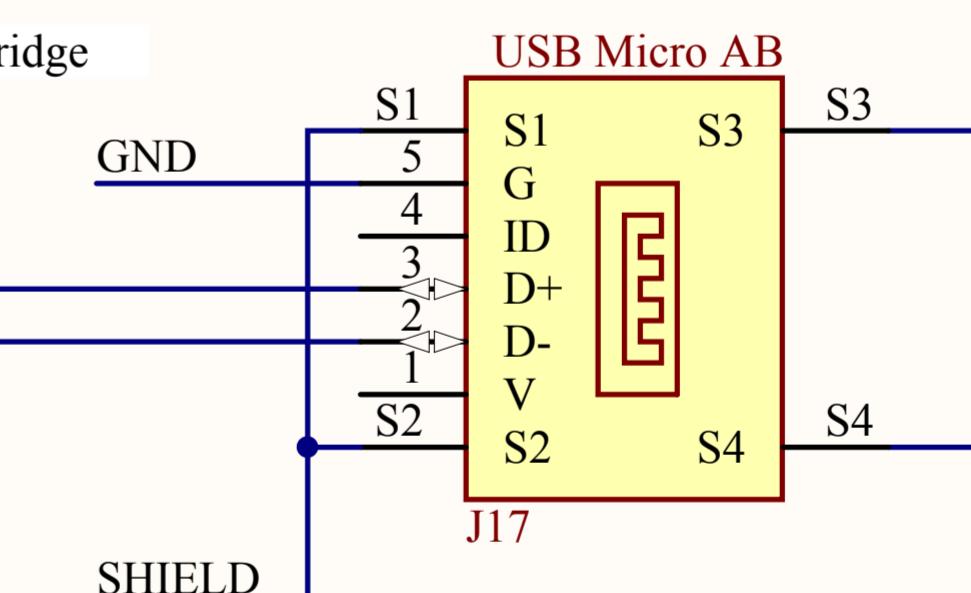
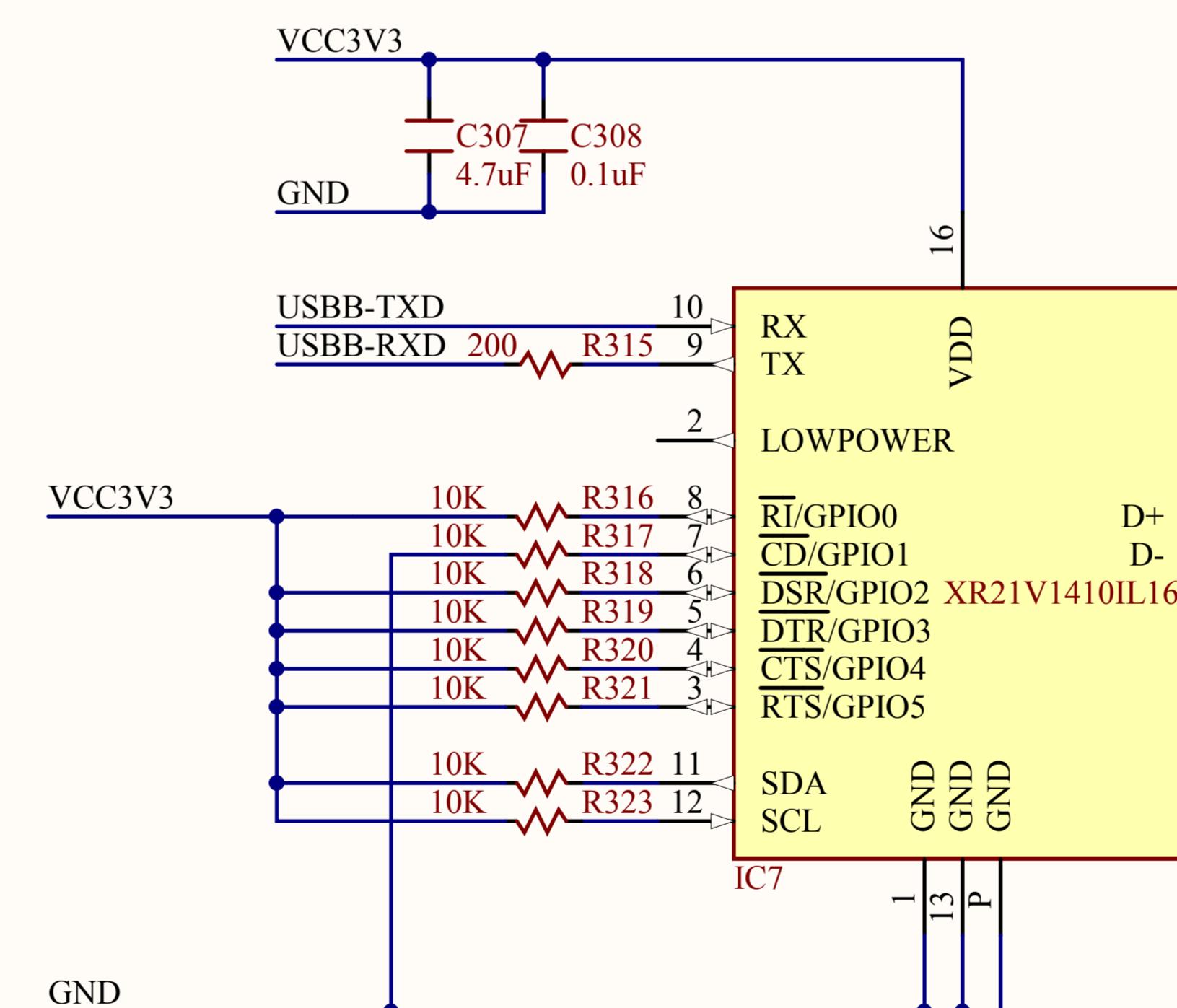
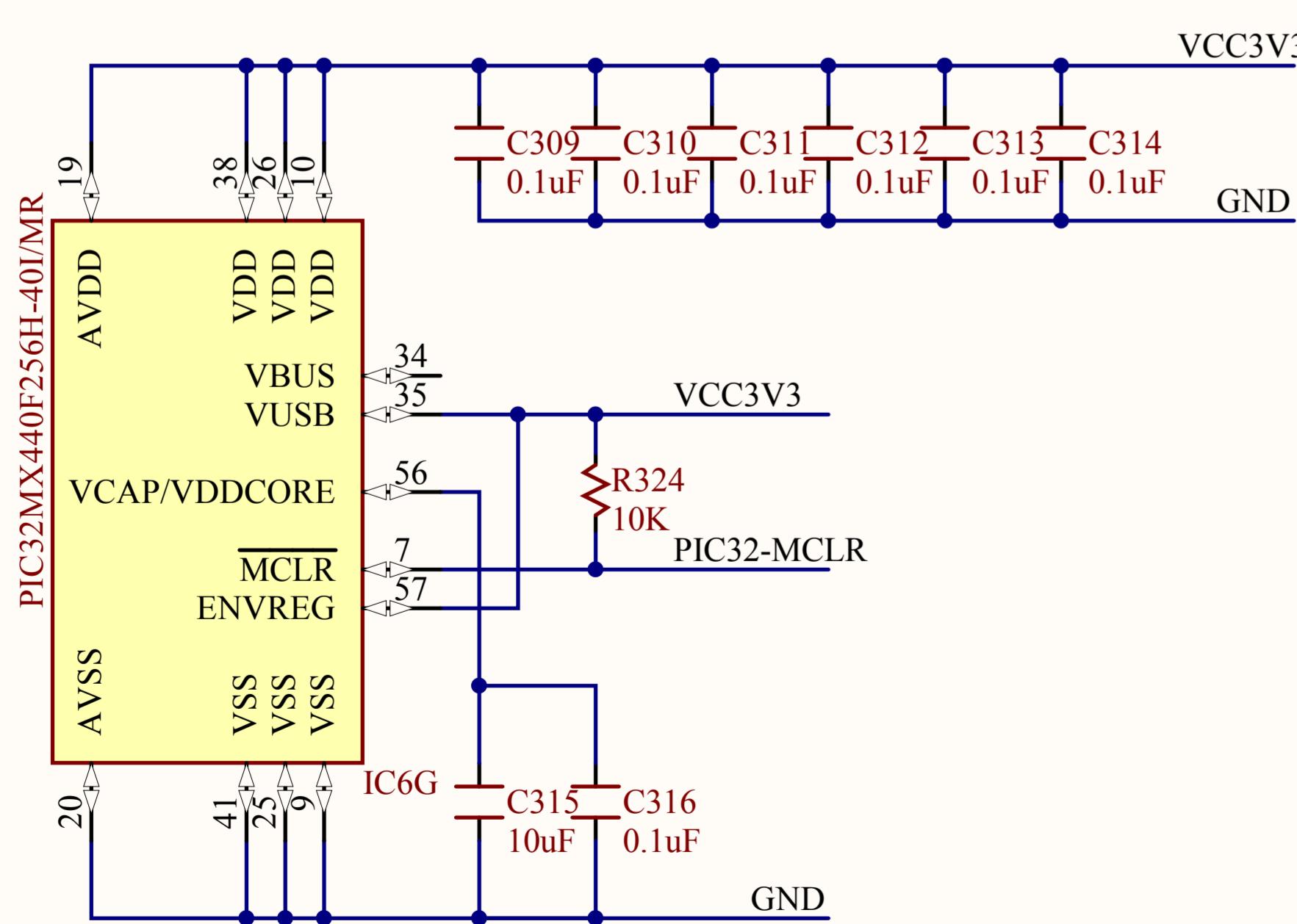
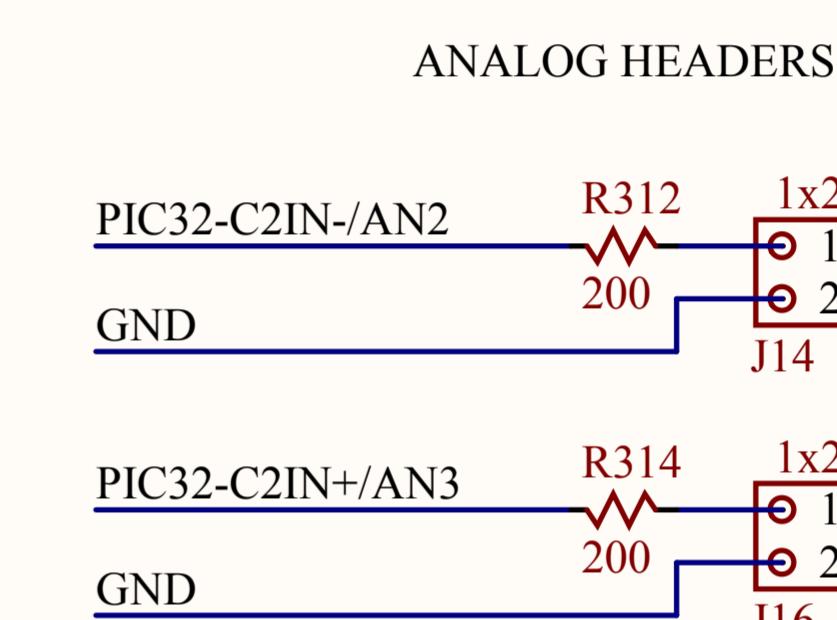
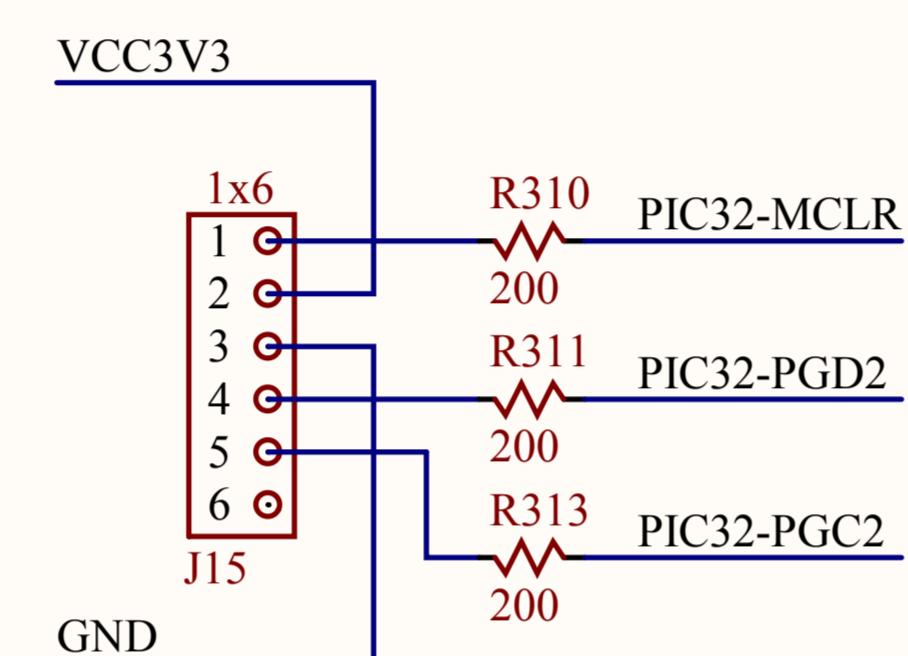
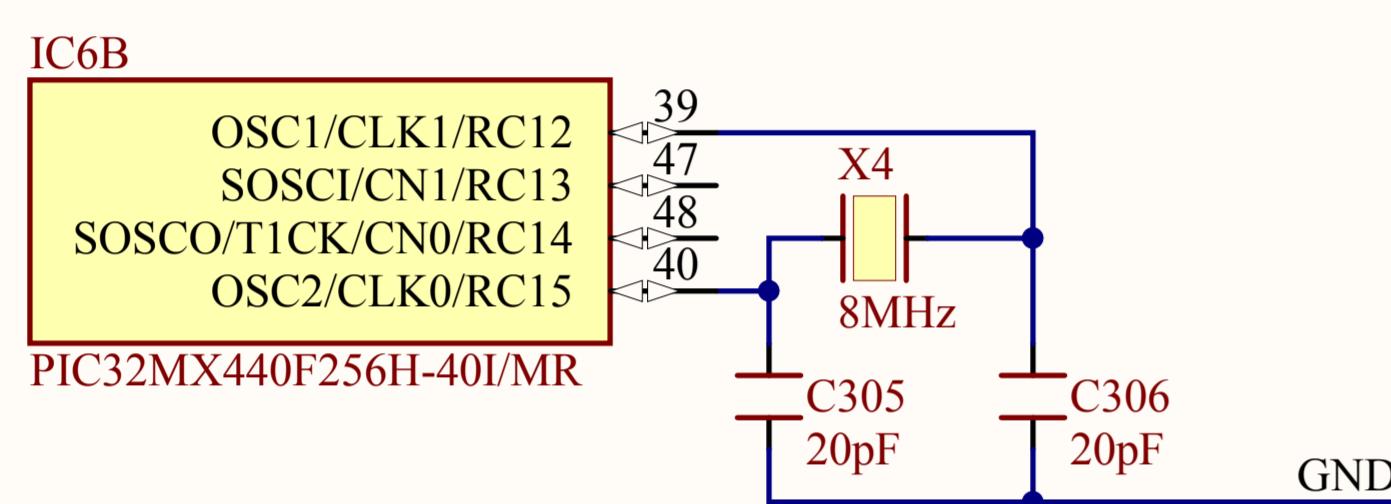
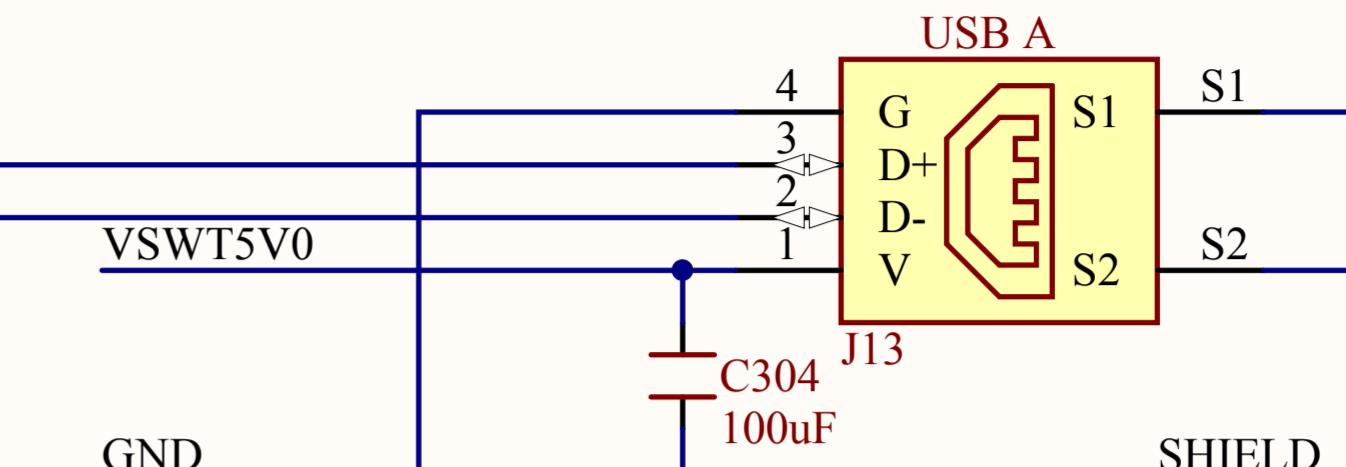
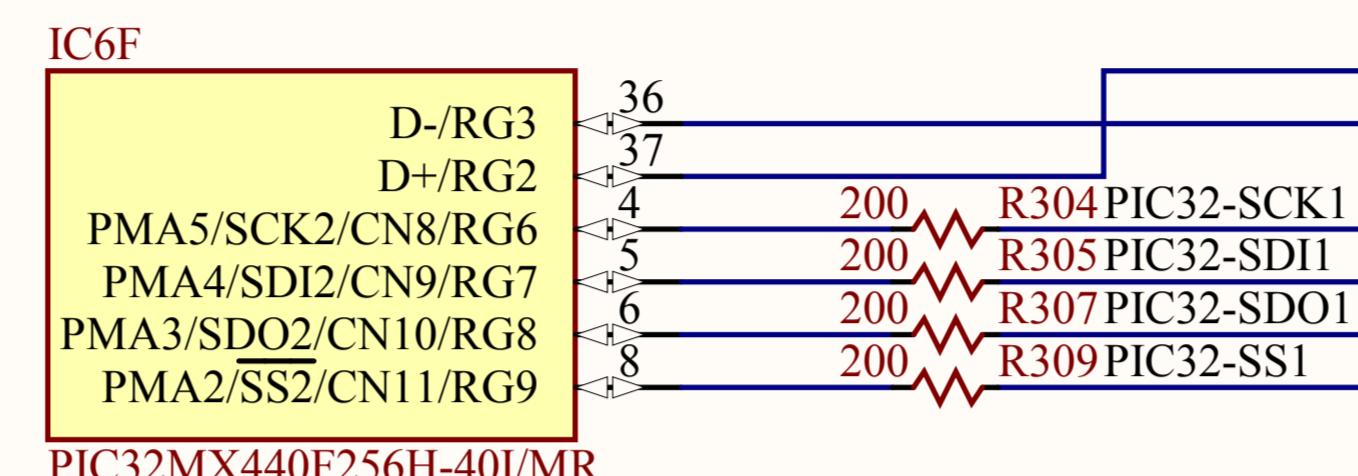
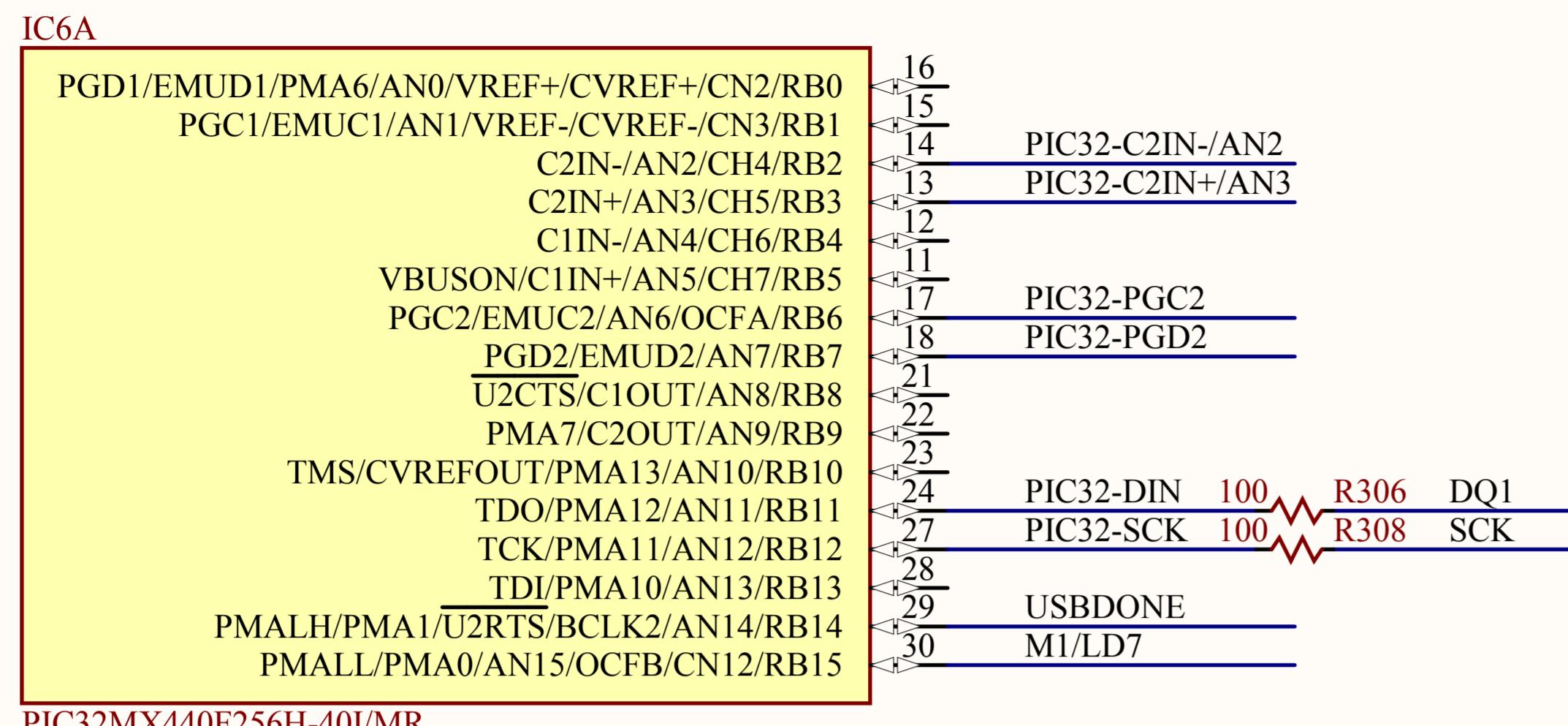
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Title

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Circuit

USB Host

Doc# 500-178

Engineer CC

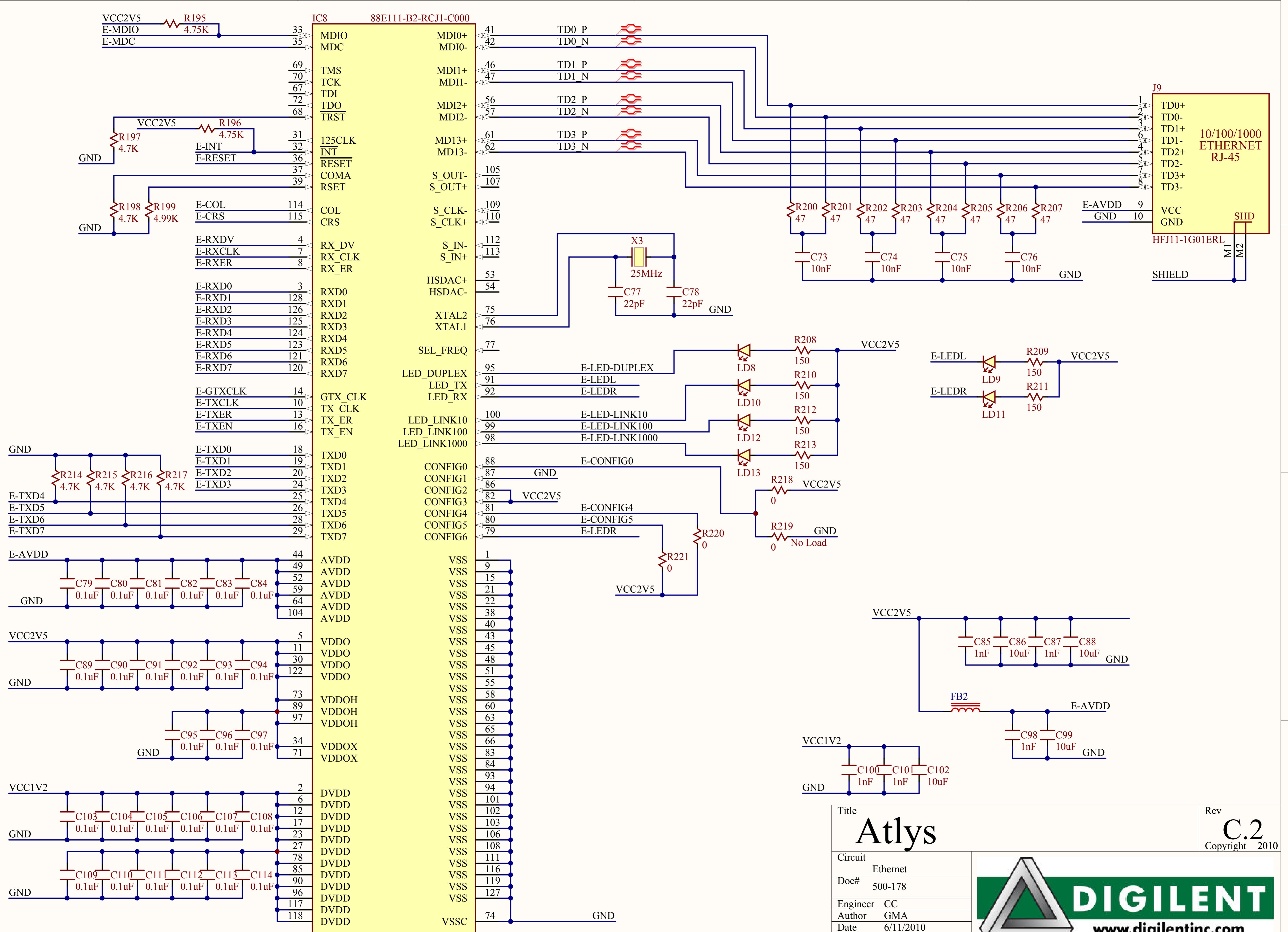
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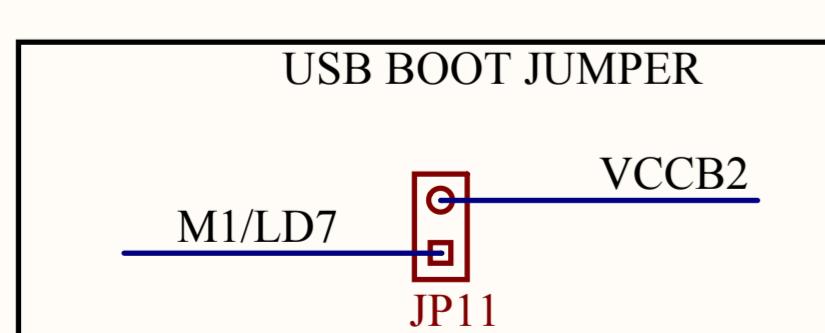
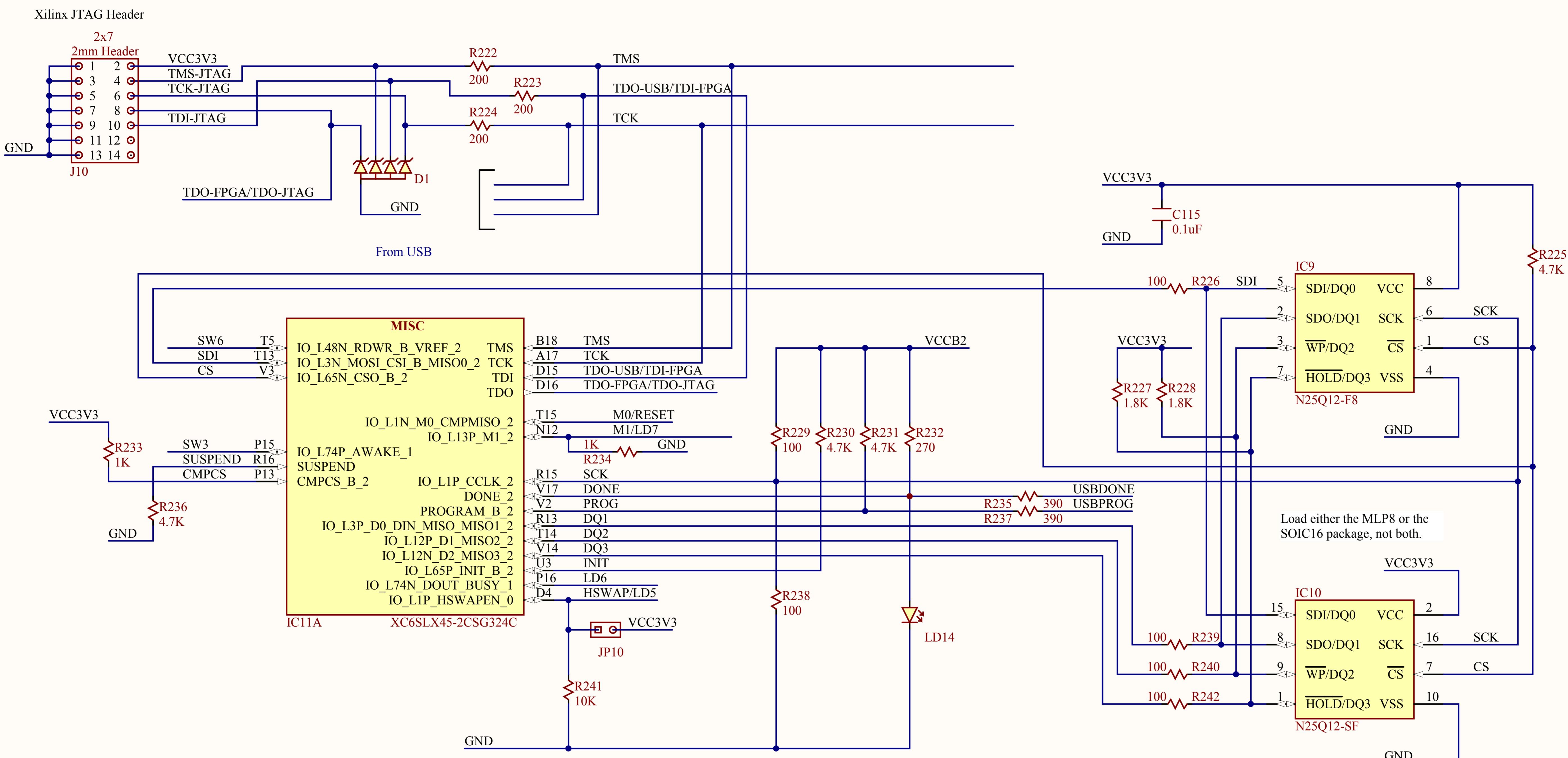
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BANK0	
IO_L1N_VREF	C4 U1-PKTEND
IO_L2P	B2 U1-SLCS
IO_L2N	A2 U1-FD0
IO_L3P	D6 U1-FD1
IO_L3N	C6 U1-FD2
IO_L4P	B3 U1-FD3
IO_L4N	A3 U1-FD4
IO_L5P	B4 U1-FD5
IO_L5N	A4 U1-FD6
IO_L6P	C5 U1-FD7
IO_L6N	A5 U1-INT0#
IO_L8P	B6 TMDS-TX-CLK P
IO_L8N_VREF	A6 TMDS-TX-CLK N
IO_L10P	C7 TMDS-TX-1 P
IO_L10N	A7 TMDS-TX-1 N
IO_L11P	D8 TMDS-TX-0 P
IO_L11N	C8 TMDS-TX-0 N
IO_L33P	B8 TMDS-TX-2 P
IO_L33N	A8 TMDS-TX-2 N
IO_L34P_GCLK19	D9 TMDS-TX-SCL
IO_L34N_GCLK18	C9 TMDS-TX-SDA
IO_L35P_GCLK17	B9 U1-FLAGA
IO_L35N_GCLK16	A9 U1-FLAGB
IO_L36P_GCLK15	D11 TMDS-RXB-CLK P
IO_L36N_GCLK14	C11 TMDS-RXB-CLK N
IO_L37P_GCLK13	C10 U1-IFCLK
IO_L37N_GCLK12	A10 SW0
IO_L38P	G9 TMDS-RXB-0 P
IO_L38N_VREF	F9 TMDS-RXB-0 N
IO_L39P	B11 TMDS-RXB-1 P
IO_L39N	A11 TMDS-RXB-1 N
IO_L41P	B12 TMDS-RXB-2 P
IO_L41N	A12 TMDS-RXB-2 N
IO_L50P	C13 JA-SCL
IO_L50N	A13 JA-SDA
IO_L62P	B14 U1-FIFOAD1
IO_L62N_VREF	A14 U1-FIFOAD0
IO_L63P_SCP7	F13 U1-SLRD
IO_L63N_SCP6	E13 U1-SLWR
IO_L64P_SCP5	C15 U1-FLAGC
IO_L64N_SCP4	A15 U1-SLOE
IO_L65P_SCP3	D14 SW1
IO_L65N_SCP2	C14 SW2
IO_L66P_SCP1	B16 USBB-TXD
IO_L66N_SCP0	A16 USBB-RXD

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BANK1	
F15	E-RXD3
IO_L1N_A25	IO_L1P_A25
IO_L2P	E-MDC
C17	E-COL
C18	E-CRS
F14	E-RXD4
G14	E-TXD5
D17	E-RXD7
D18	E-RXD6
H12	E-TXD6
G13	E-RESET
E16	E-RXD2
E18	E-RXD5
K12	E-TXD7
K13	E-TXD3
F17	E-RXDV
F18	E-RXER
H13	E-TXD1
H14	E-RXD1
H15	E-TXEN
H16	E-TXD0
G16	E-RXD0
G18	E-TXER
J13	E-TXD4
K14	E-TXD2
L12	E-GTXCLK
L13	AUD-BIT-CLK
IO_L38N_A4_M1CLKN	IO_L39P_M1A3
IO_L39N_M1ODT	IO_L40P_GCLK11_M1A5
IO_L40P_GCLK10_M1A6	IO_L41P_GCLK9_IRDY1_M1RASN
IO_L41N_GCLK8_M1CASN	IO_L41N_GCLK8_M1CASN
IO_L42P_GCLK7_M1UDM	IO_L42P_GCLK6_TRDY1_M1LDM
IO_L42N_GCLK6_TRDY1_M1LDM	IO_L43P_GCLK5_M1DQ4
IO_L43N_GCLK4_M1DQ5	IO_L43N_GCLK4_M1DQ5
J16	TMDS-RX-2 P
J18	TMDS-RX-2 N
K17	TMDS-RX-0 P
K18	TMDS-RX-0 N
IO_L45N_A0_M1LDQSN	IO_L45N_A0_M1LDQSN
IO_L46P_FCS_B_M1DQ2	IO_L46P_FWE_B_M1DQ3
IO_L46N_FOE_B_M1DQ3	IO_L47P_FWE_B_M1DQ0
IO_L47P_FWE_B_M1DQ0	IO_L47N_LDC_M1DQ1
IO_L48P_HDC_M1DQ8	IO_L48P_HDC_M1DQ8
IO_L48N_M1DQ9	IO_L48N_M1DQ9
P17	PIC32-SDO1
P18	PIC32-SCK1
N15	PIC32-SS1
IO_L50P_M1UDQSN	IO_L50P_M1UDQSN
IO_L50N_M1UDQSN	IO_L51P_M1DQ12
T17	AUD-RESET
T18	AUD-SDI
U17	AUD-SYNC
U18	LD0
M14	LD1
N14	LD2
L14	LD3
M13	LD4
IO_L53P	IO_L53N_VREF
IO_L53N_VREF	IO_L61P
IO_L61P	IO_L61N

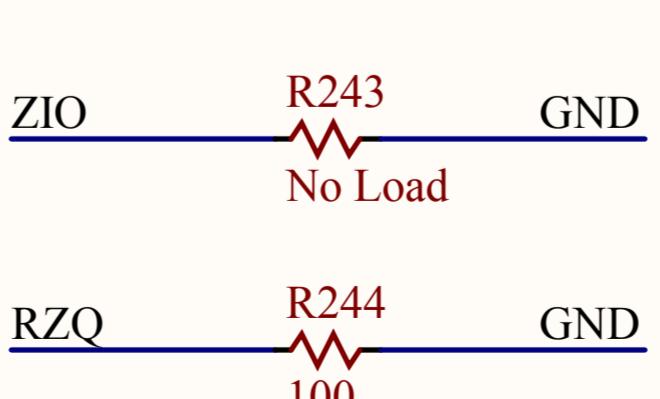
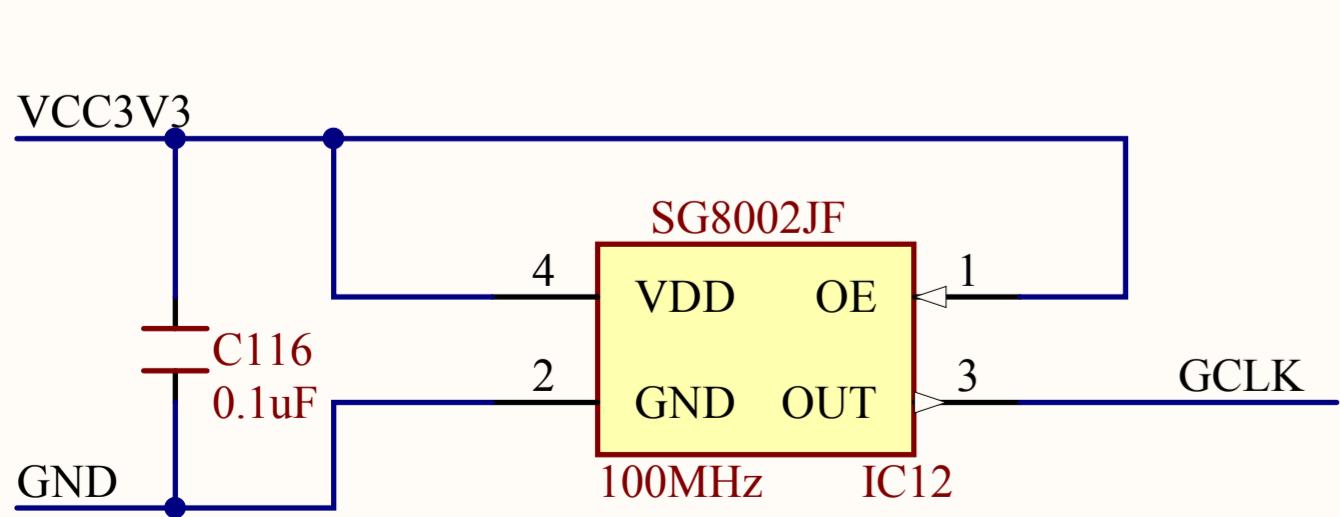
IC11C XC6SLX45-2CSG324C

BANK2	
U16	EXP-IO1_P
IO_L2P_CMPCLK	IO_L2N_CMPMOSI
*IO_L5P	*IO_L5N
V15	EXP-IO2_N
IO_L13N_D10	P12 SW4
IO_L14P_D11	U13 EXP-IO3_P
IO_L14N_D12	V13 EXP-IO3_N
*IO_L15P	M11 EXP-IO4_P
IO_L15N_D15	N11 EXP-IO4_N
IO_L16P	R11 EXP-IO5_P
IO_L16N_VREF	T11 EXP-IO5_N
*IO_L19P	V12 EXP-IO6_N
*IO_L19N	N10 EXP-IO7_P
*IO_L20P	P11 EXP-IO7_N
*IO_L20N	*M10 EXP-IO8_P
*IO_L22P	N9 EXP-IO8_N
*IO_L22N	U11 EXP-IO9_P
IO_L23P	IO_L23N
IO_L29P_GCLK3	V11 EXP-IO9_N
IO_L29N_GCLK2	R10 EXP-IO10_P
IO_L30P_GCLK1_D13	T10 EXP-IO10_N
IO_L30N_GCLK0_USERCCLK	U10 EXP-IO11_P
IO_L31P_GCLK1_D14	V10 EXP-IO11_N
IO_L31N_GCLK30_D15	R8 EXP-IO12_P
IO_L32P_GCLK29	T8 EXP-IO12_N
IO_L32N_GCLK28	T9 JA-CLK_P
*IO_L40P	V9 JA-CLK_N
*IO_L40N	M8 EXP-IO13_P
IO_L41P	*N8 EXP-IO13_N
IO_L41N_VREF	U8 EXP-IO14_P
*U7	V8 EXP-IO14_N
IO_L43P	*U7 EXP-IO15_P
IO_L43N	V7 EXP-IO15_N
*IO_L44P	N7 EXP-IO16_P
*IO_L44N	P8 EXP-IO16_N
K18	T6 EXP-IO17_P
IO_L45P	V6 EXP-IO17_N
IO_L45N	R7 EXP-IO18_P
IO_L46P	T7 EXP-IO18_N
IO_L46N	N6 EXP-IO19_P
*IO_L47P	P7 EXP-IO19_N
*IO_L47N	R5 SW5
IO_L48P_D7	U5 EXP-IO20_P
IO_49P_D3	V5 EXP-IO20_N
IO_49N_D4	R3 JA-D0_P
IO_L62P_D5	T3 JA-D0_N
IO_L62N_D6	U4 JA-D1_P
IO_L63P	V4 JA-D1_N
IO_L63N	N5 JA-D2_P
IO_L64P_D8	P6 JA-D2_N
IO_L64N_D9	

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BANK3	
IO_L1P	N4 BTNU
IO_L1N_VREF	N3 DDR0V9
IO_L2P	P4 BTNL
IO_L2N	P3 BTND
IO_L31P	L6 RZQ
IO_L31N_VREF	M5 DDR0V9
IO_L32P_M3DQ14	U2 DDR-DQ14
IO_L32N_M3DQ15	U1 DDR-DQ15
IO_L33P_M3DQ12	T2 DDR-DQ12
IO_L33N_M3DQ13	T1 DDR-DQ13
IO_L34P_M3UDQS	P2 DDR-UDQS_P
IO_L34N_M3UDQN	P1 DDR-UDQS_N
IO_L35P_M3DQ10	N2 DDR-DQ10
IO_L35N_M3DQ11	N1 DDR-DQ11
IO_L36P_M3DQ8	M3 DDR-DQ8
IO_L36N_M3DQ9	M1 DDR-DQ9
IO_L37P_M3DQ0	L2 DDR-DQ0
IO_L37N_M3DQ1	L1 DDR-DQ1
IO_L38P_M3DQ2	K2 DDR-DQ2
IO_L38N_M3DQ3	K1 DDR-DQ3
IO_L39P_M3LDQS	L4 DDR-LDQS_P
IO_L39N_M3LDQN	L3 DDR-LDQS_N
IO_L40P_M3DQ6	J3 DDR-DQ6
IO_L40N_M3DQ7	J1 DDR-DQ7
IO_L41P_GCLK27_M3DQ4	H2 DDR-DQ4
IO_L41N_GCLK26_M3DQ5	H1 DDR-DQ5
IO_L42P_GCLK25_TRDY2_M3UDM	K4 DDR-UDM
IO_L42N_GCLK24_M3LDM	K3 DDR-LDM
IO_L43P_GCLK23_M3RASN	L5 DDR-RAS
IO_L43N_GCLK22_IRDY2_M3CASN	K5 DDR-CAS
IO_L44P_GCLK21_M3A5	H4 DDR-A5
IO_L44N_GCLK20_M3A6	H3 DDR-A6
IO_L45P_M3A3	L7 DDR-A3
IO_L45N_M3ODT	K6 DDR-ODT
IO_L46P_M3CLK	G3 DDR-CK_P
IO_L46N_M3CLKN	G1 DDR-CK_N
IO_L47P_M3A0	J7 DDR-A0
IO_L47N_M3A1	J6 DDR-A1
IO_L48P_M3BA0	F2 DDR-BA0
IO_L48N_M3BA1	F1 DDR-BA1
IO_L49P_M3A7	H6 DDR-A7
IO_L49N_M3A2	H5 DDR-A2
IO_L50P_M3WE	E3 DDR-WE
IO_L50N_M3BA2	E1 DDR-BA2
IO_L51P_M3A10	F4 DDR-A10
IO_L51N_M3A4	F3 DDR-A4
IO_L52P_M3A8	D2 DDR-A8
IO_L52N_M3A9	D1 DDR-A9
IO_L53P_M3CKE	H7 DDR-CKE
IO_L53N_M3A12	G6 DDR-A12
IO_L54P_M3RESET	E4 SW7
IO_L54N_M3A11	D3 DDR-A11
IO_L55P_M3A13	F6 BTNR
IO_L55N_M3A14	F5 BTNC
IO_L83P	C2 ZIO
IO_L83N_VREF	C1 DDR0V9

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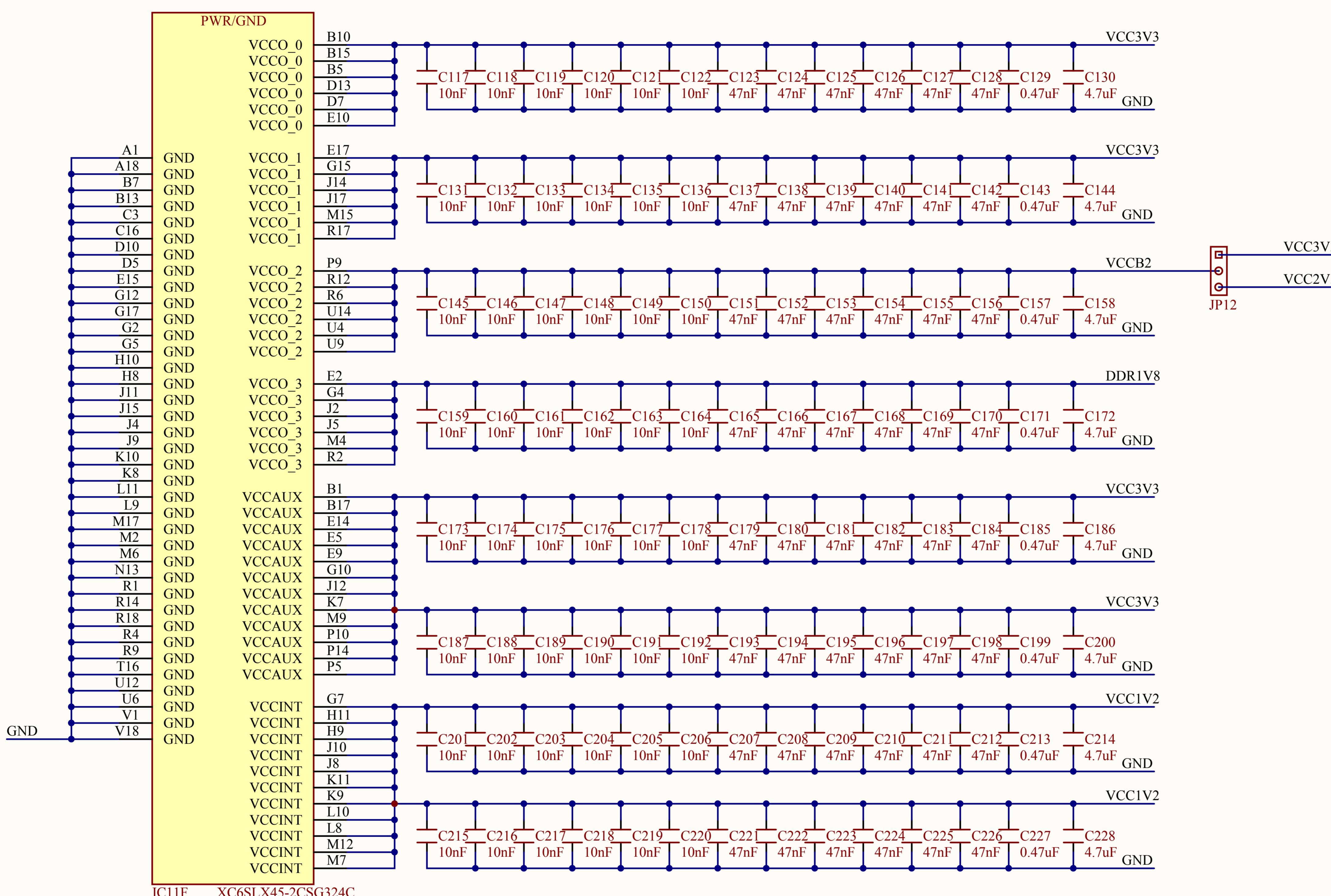


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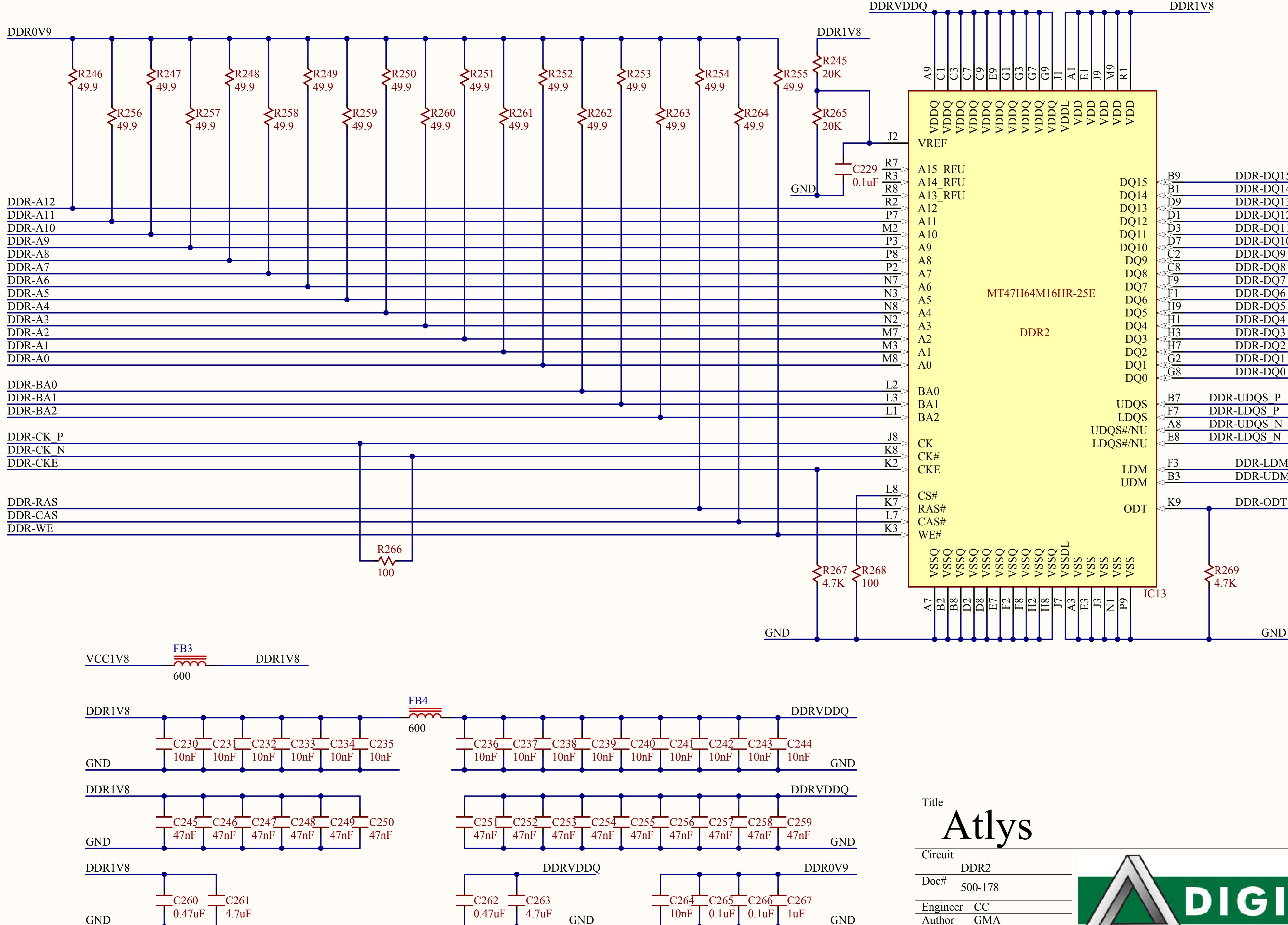
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