

OSMEVK_ADAP_MSIX93

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Revision History

Revision	Date	Changes
1.0	28.08.2025	Initial release

OSMEVK_ADAP_MSIX93

Sheet: TITLE PAGE

Variant: MSIX93

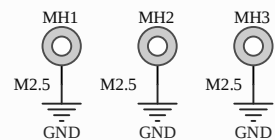
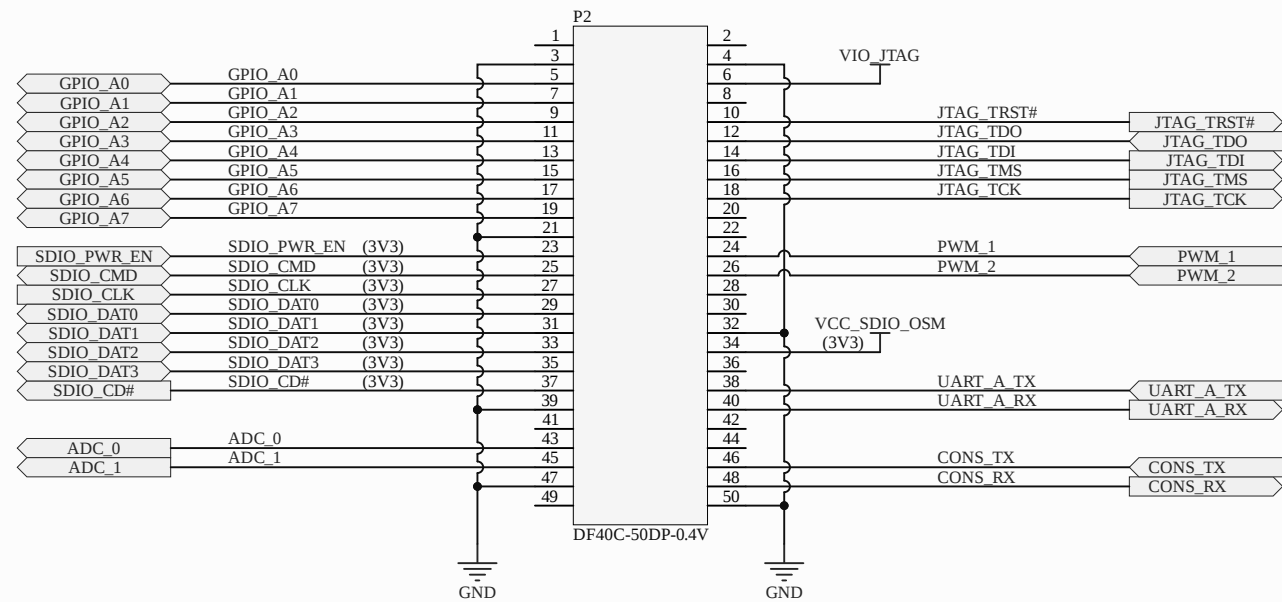
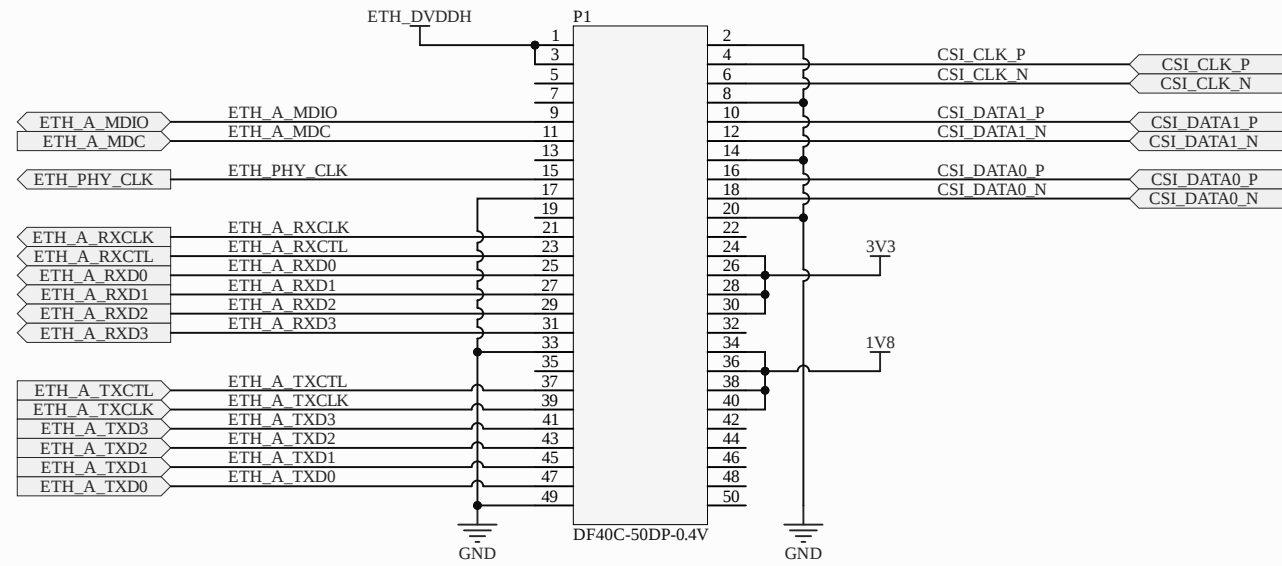
Number 1

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Date: 28.08.2025



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Sheet: CONNECTOR TOP

Variant: MSIX93

Number 2

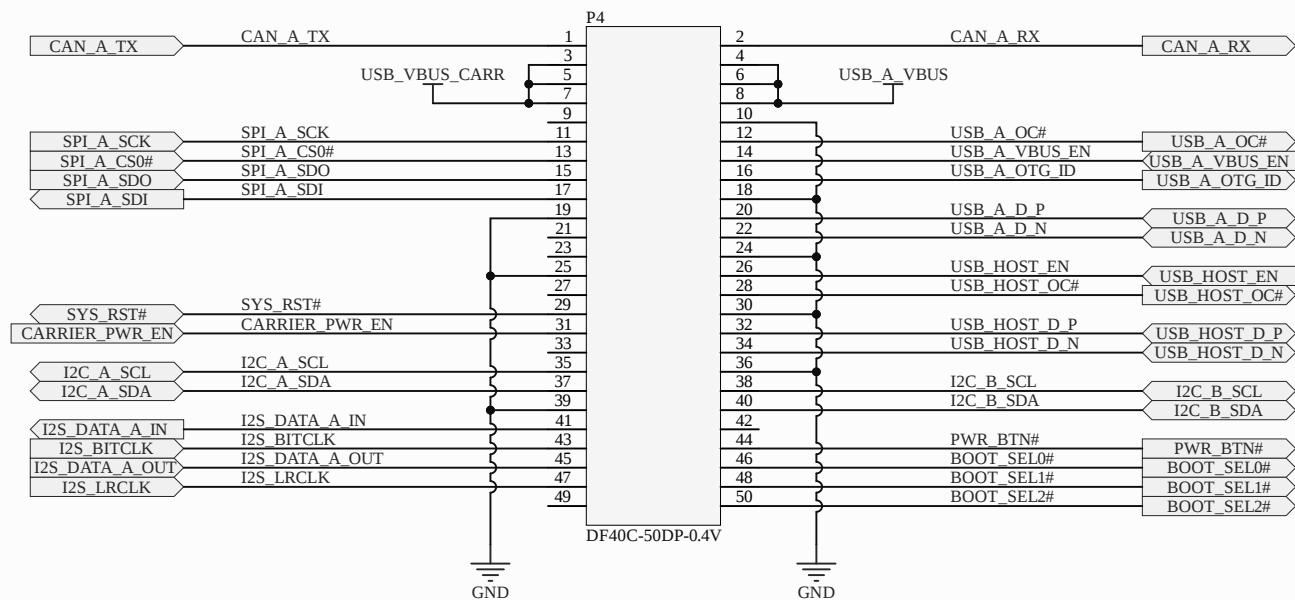
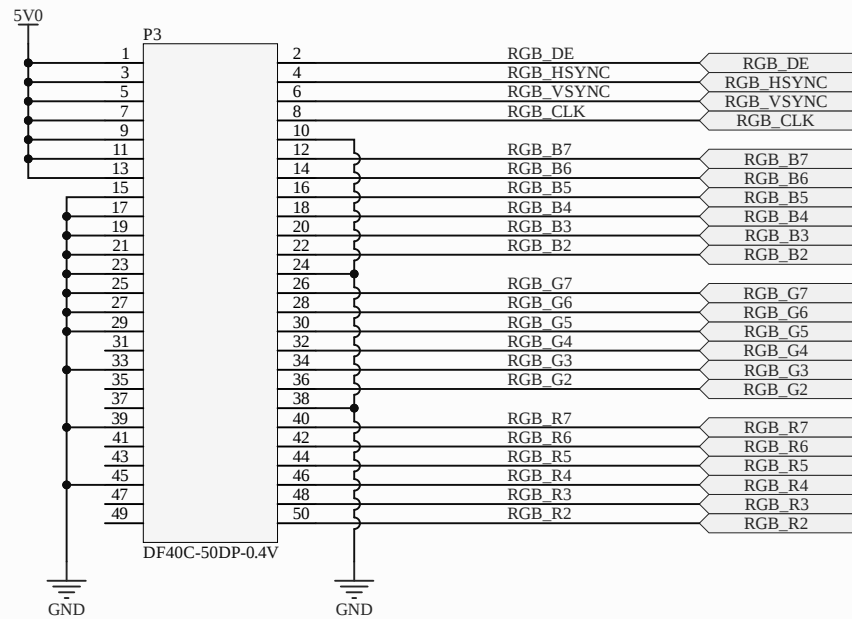
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Sheet: CONNECTOR BOTTOM

Variant: MSIX93

Number 3

Revision: 1.0

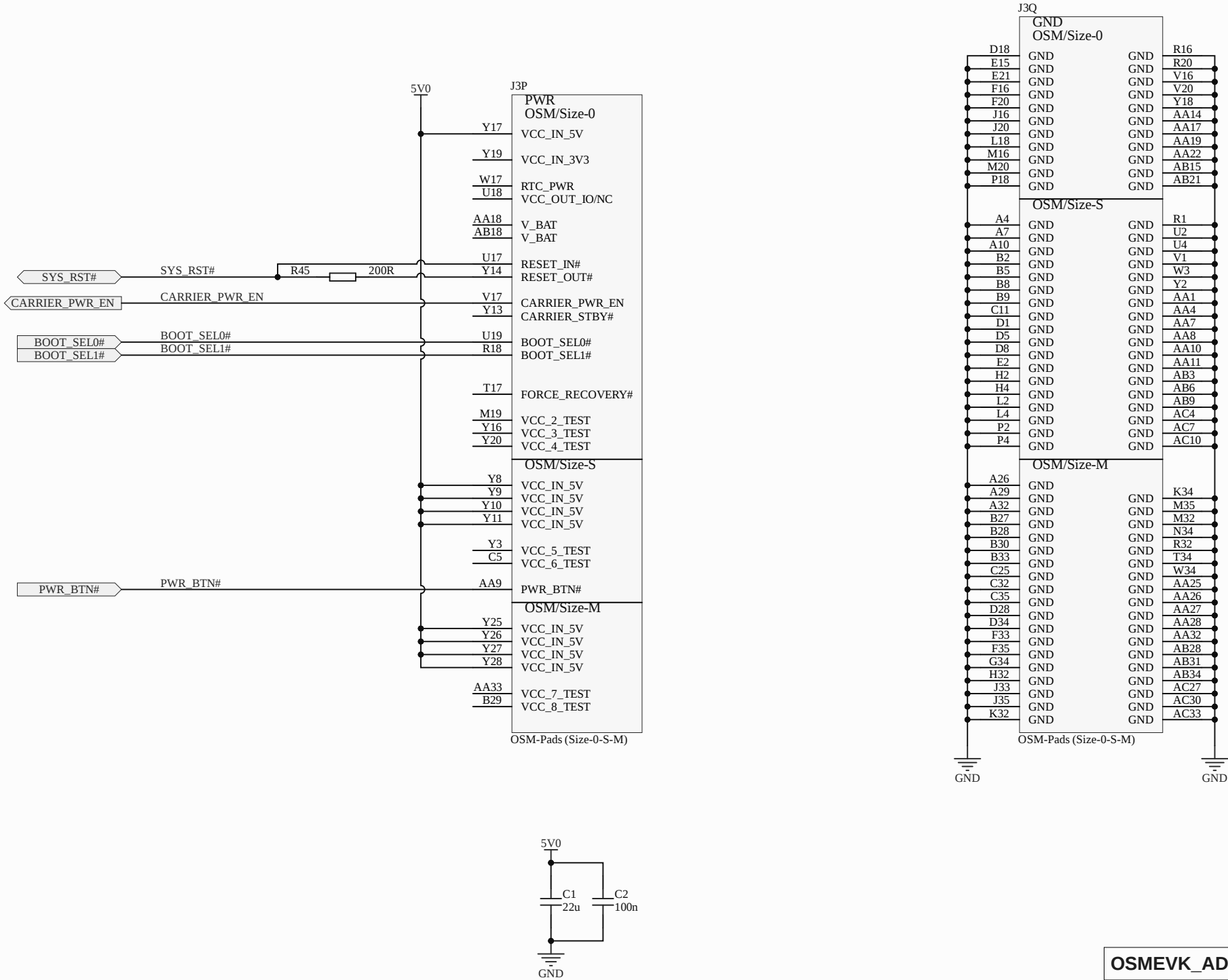
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POWER/SYSTEM



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Sheet: POWER/SYSTEM

Variant: MSIX93

Number 4

Revision: 1.0

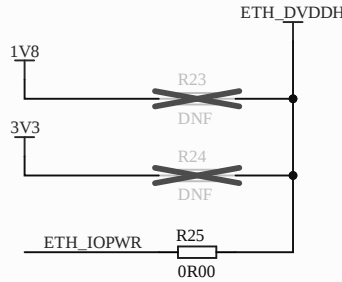
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ETHERNET



J3A			ETHERNET OSM/Size-0
ETH_A_TXCLK	ETH_A_TXCLK	J15	ETH_A(R)(G)MII_TX_CLK
ETH_A_TXD0	ETH_A_TXD0	H15	ETH_A(S)(R)(G)MII_TXD0
ETH_A_TXD1	ETH_A_TXD1	G15	ETH_A(S)(R)(G)MII_TXD1
ETH_A_TXD2	ETH_A_TXD2	H16	ETH_A(S)(R)(G)MII_TXD2
ETH_A_TXD3	ETH_A_TXD3	G16	ETH_A(S)(R)(G)MII_TXD3
ETH_A_TXCTL	ETH_A_TXCTL	K16	ETH_A(R)(G)MII_TX_EN(ER)
ETH_A_RXCLK	ETH_A_RXCLK	R15	ETH_A(R)(G)MII_RX_CLK
ETH_A_RXD0	ETH_A_RXD0	K15	ETH_A(S)(R)(G)MII_RXD0
ETH_A_RXD1	ETH_A_RXD1	L15	ETH_A(S)(R)(G)MII_RXD1
ETH_A_RXD2	ETH_A_RXD2	N15	ETH_A(R)(G)MII_RXD2
ETH_A_RXD3	ETH_A_RXD3	P15	ETH_A(R)(G)MII_RXD3
ETH_A_RXCTL	ETH_A_RXCTL	L16 M15 E16 F15 N16	ETH_A(R)(G)MII_RX_ER ETH_A(R)(G)MII_RX_DV(ER) ETH_A(R)(G)MII_CR5 ETH_A(R)(G)MII_COL ETH_A_SDP
ETH_PHY_CLK	ETH_PHY_CLK		
ETH_A_MDC	ETH_A_MDC	T16	ETH_MDC
ETH_A_MDIO	ETH_A_MDIO	T15	ETH_MDIO
ETH_IOPWR	ETH_IOPWR	M17	ETH_IOPWR
			OSM/Size-S
		H1	ETH_B(R)(G)MII_TX_CLK
		G1 F1 G2 F2	ETH_B(S)(R)(G)MII_TXD0 ETH_B(S)(R)(G)MII_TXD1 ETH_B(S)(R)(G)MII_TXD2 ETH_B(S)(R)(G)MII_TXD3
		J2	ETH_B(R)(G)MII_TX_EN(ER)
		P1	ETH_B(R)(G)MII_RX_CLK
		J1 K1 M1 N1	ETH_B(S)(R)(G)MII_RXD0 ETH_B(S)(R)(G)MII_RXD1 ETH_B(R)(G)MII_RXD2 ETH_B(R)(G)MII_RXD3
		K2 L1 D2 E1 M2	ETH_B(R)(G)MII_RX_ER ETH_B(R)(G)MII_RX_DV(ER) ETH_B(R)(G)MII_CR5 ETH_B(R)(G)MII_COL ETH_B_SDP
		C6 C7	ETH_B_MDC ETH_B_MDIO
			OSM/Size-M
		N35	ETH_C(R)(G)MII_TX_CLK
		Y35 AA35 Y34 AA34	ETH_C(S)(R)(G)MII_TXD0 ETH_C(S)(R)(G)MII_TXD1 ETH_C(S)(R)(G)MII_TXD2 ETH_C(S)(R)(G)MII_TXD3
		V34	ETH_C(R)(G)MII_TX_EN(ER)
		W35	ETH_C(R)(G)MII_RX_CLK
		V35 U35 R35 P35	ETH_C(S)(R)(G)MII_RXD0 ETH_C(S)(R)(G)MII_RXD1 ETH_C(R)(G)MII_RXD2 ETH_C(R)(G)MII_RXD3
		U34 T35 AC34 AB35 R34	ETH_C(R)(G)MII_RX_ER ETH_C(R)(G)MII_RX_DV(ER) ETH_C(R)(G)MII_CR5 ETH_C(R)(G)MII_COL ETH_C_SDP
		N33 P33	ETH_CDE_MDC ETH_CDE_MDIO
			OSM-Pads (Size-0-S-M)

OSMEVK_ADAP_MSIX93

Sheet: ETHERNET

Variant: MSIX93

Number 5

Revision: 1.0

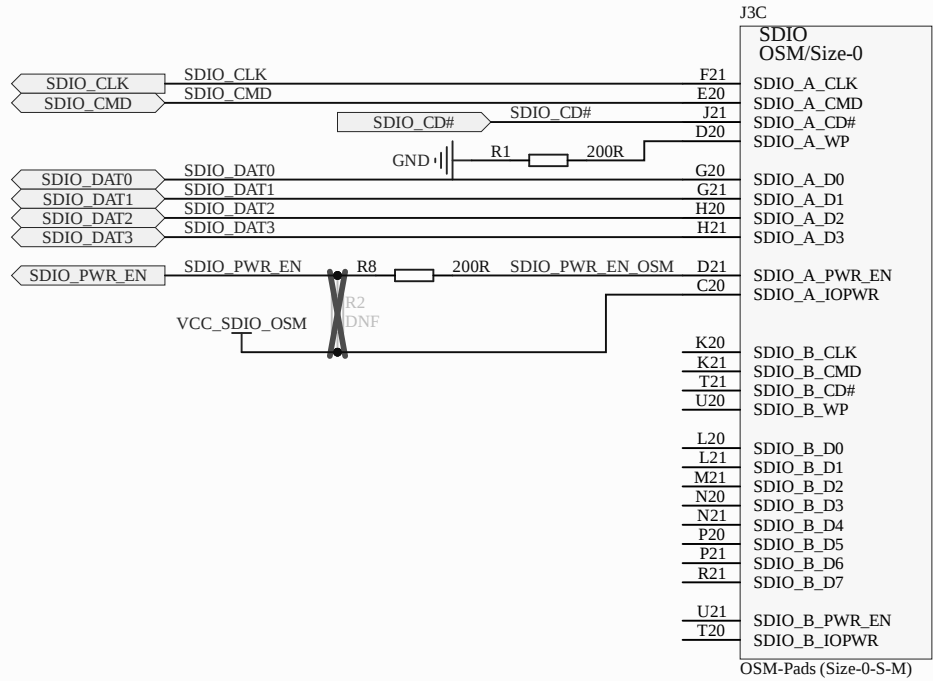
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Date: 28.08.2025

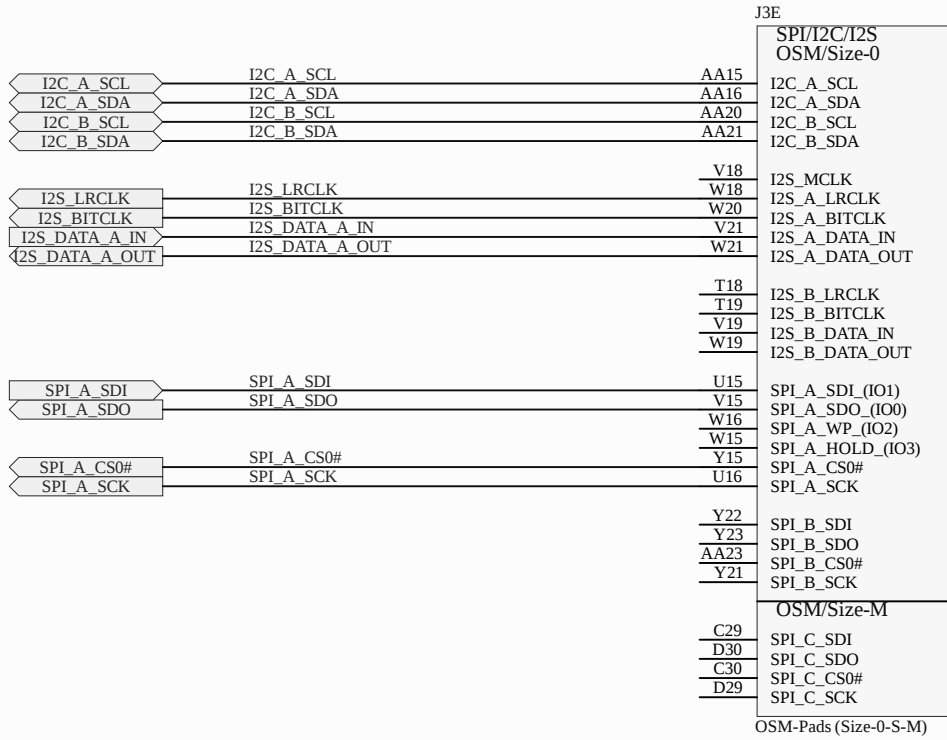


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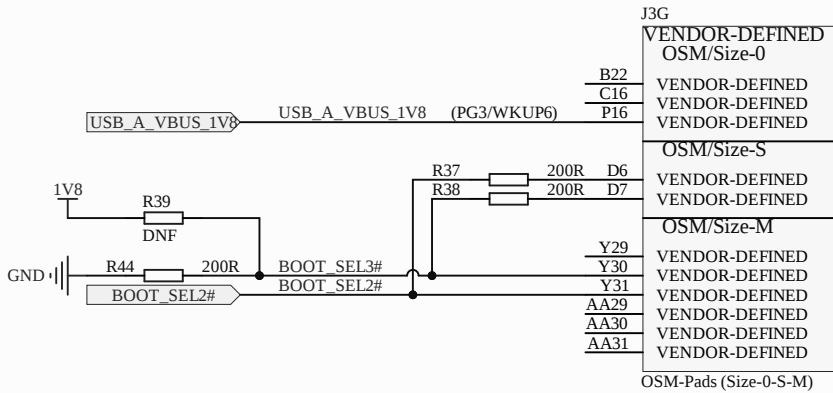
SDIO



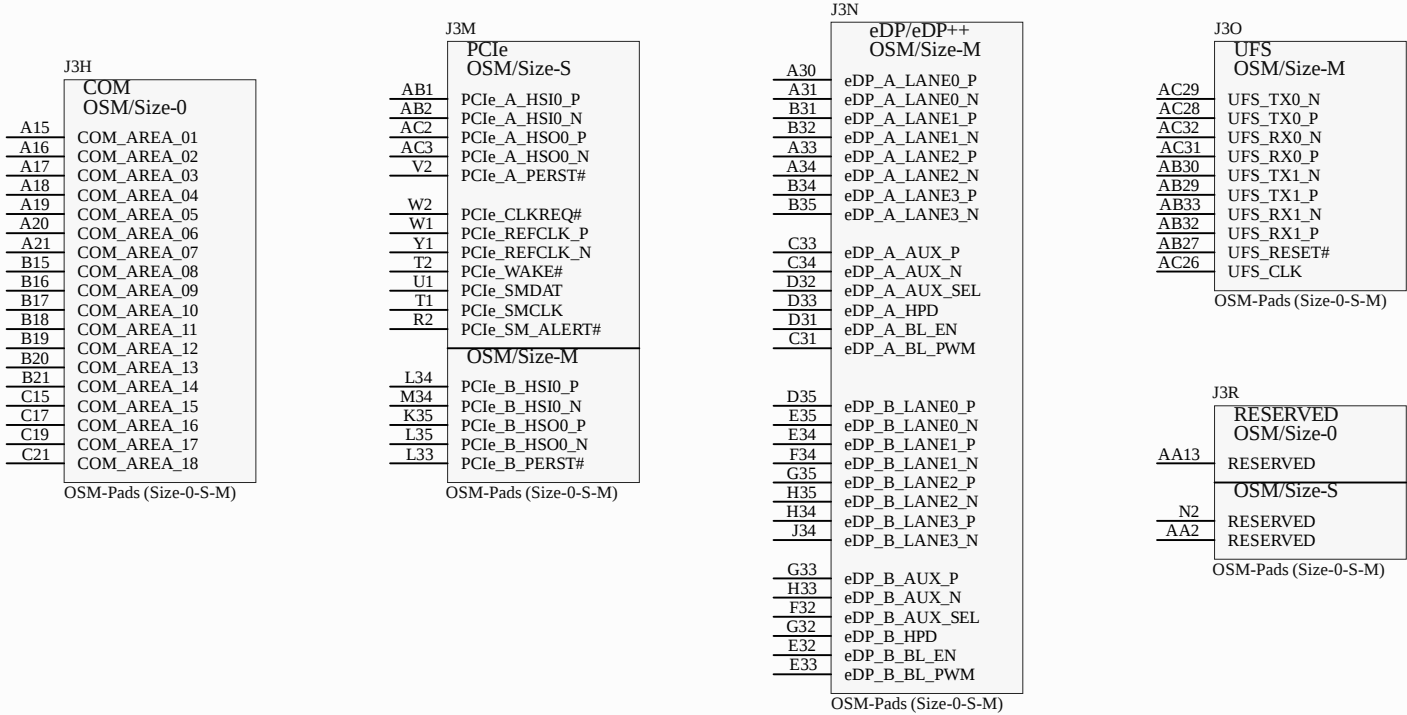
I2C/I2S/SPI



VENDOR DEFINED



UNUSED



OSMEVK_ADAP_MSIX93

Sheet: I2C/SPI/I2S/SDIO

Variant: MSIX93

Number 6

Revision: 1.0

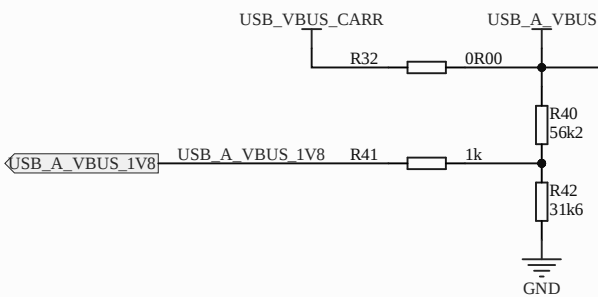
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CAN/USB



CAN_A_TX	CAN_A_TX	AC17
CAN_A_RX	CAN_A_RX	AB17
		AC19
		AB19
USB_A_D_P	USB_A_D_P	AC14
USB_A_D_N	USB_A_D_N	AB13
USB_A_VBUS_EN	USB_A_VBUS_EN	AC16
USB_A_OTG_ID	USB_A_OTG_ID	AB14
USB_A_OC#	USB_A_OC#	AC15
	USB_A_VBUS	AB16
USB_HOST_D_P	USB_HOST_D_P	AC22
USB_HOST_D_N	USB_HOST_D_N	AB23
USB_HOST_EN	USB_HOST_EN	AC20
USB_HOST_OC#	USB_HOST_OC#	AB22
		AC21
		AB20

J3B	CAN/USB
	OSM/Size-0
	CAN_A_TX
	CAN_A_RX
	CAN_B_TX
	CAN_B_RX
	USB_A_D_P
	USB_A_D_N
	USB_A_EN
	USB_A_ID
	USB_A_OC#
	USB_A_VBUS
	USB_B_D_P
	USB_B_D_N
	USB_B_EN
	USB_B_ID
	USB_B_OC#
	USB_B_VBUS
	OSM/Size-S
D10	USB_C_D_P
D11	USB_C_D_N
C10	USB_C_EN
D9	USB_C_ID
C8	USB_C_OC#
C9	USB_C_VBUS
A9	USB_C_SSTX_N
A8	USB_C_SSTX_P
B11	USB_C_SSRX_N
B10	USB_C_SSRX_P
	OSM/Size-M
D25	USB_D_D_P
D26	USB_D_D_N
C26	USB_D_EN
D27	USB_D_ID
C28	USB_D_OC#
C27	USB_D_VBUS
A28	USB_D_SSTX_N
A27	USB_D_SSTX_P
B26	USB_D_SSRX_N
B25	USB_D_SSRX_P

OSM-Pads (Size-0-S-M)

UART

CONS_RX	CONS_RX	D22
CONS_TX	CONS_TX	D23
UART_A_RX	UART_A_RX	A14
UART_A_TX	UART_A_TX	B13
		C13
		C14
		D14
		D13
		D15
		D16
		A22
		B23
		C22
		C23

J3D	UART
	OSM/Size-0
	UART_CON_RX
	UART_CON_TX
	UART_A_RX
	UART_A_TX
	UART_A_RTS
	UART_A_CTS
	UART_B_RX
	UART_B_TX
	UART_B_RTS
	UART_B_CTS
	UART_C_RX
	UART_C_TX
	UART_D_RX
	UART_D_TX

OSM-Pads (Size-0-S-M)

OSMEVK_ADAP_MSIX93

Sheet: UART/USB/CAN

Variant: MSIX93

Number 7

Revision: 1.0

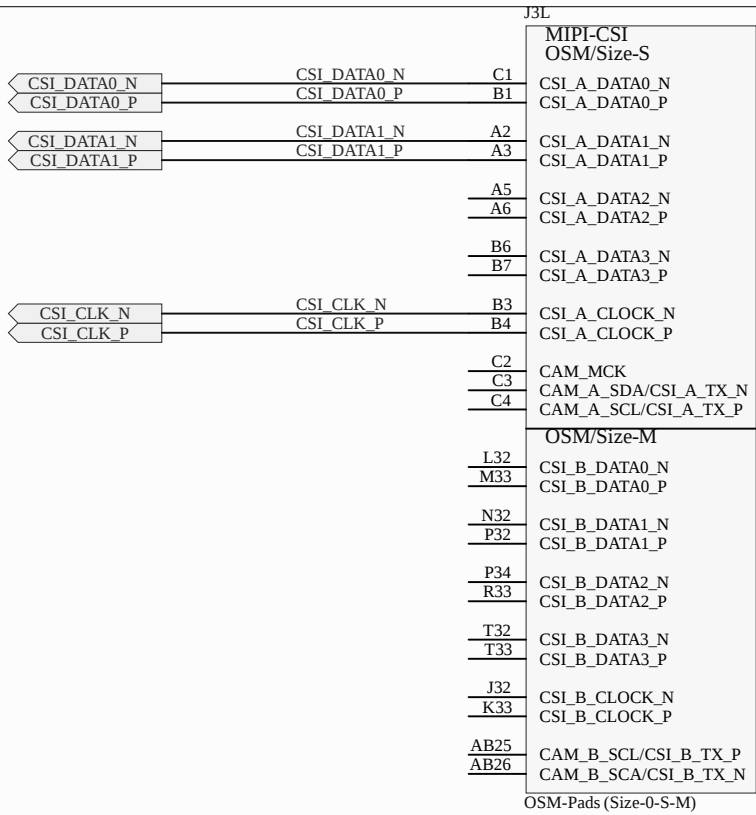
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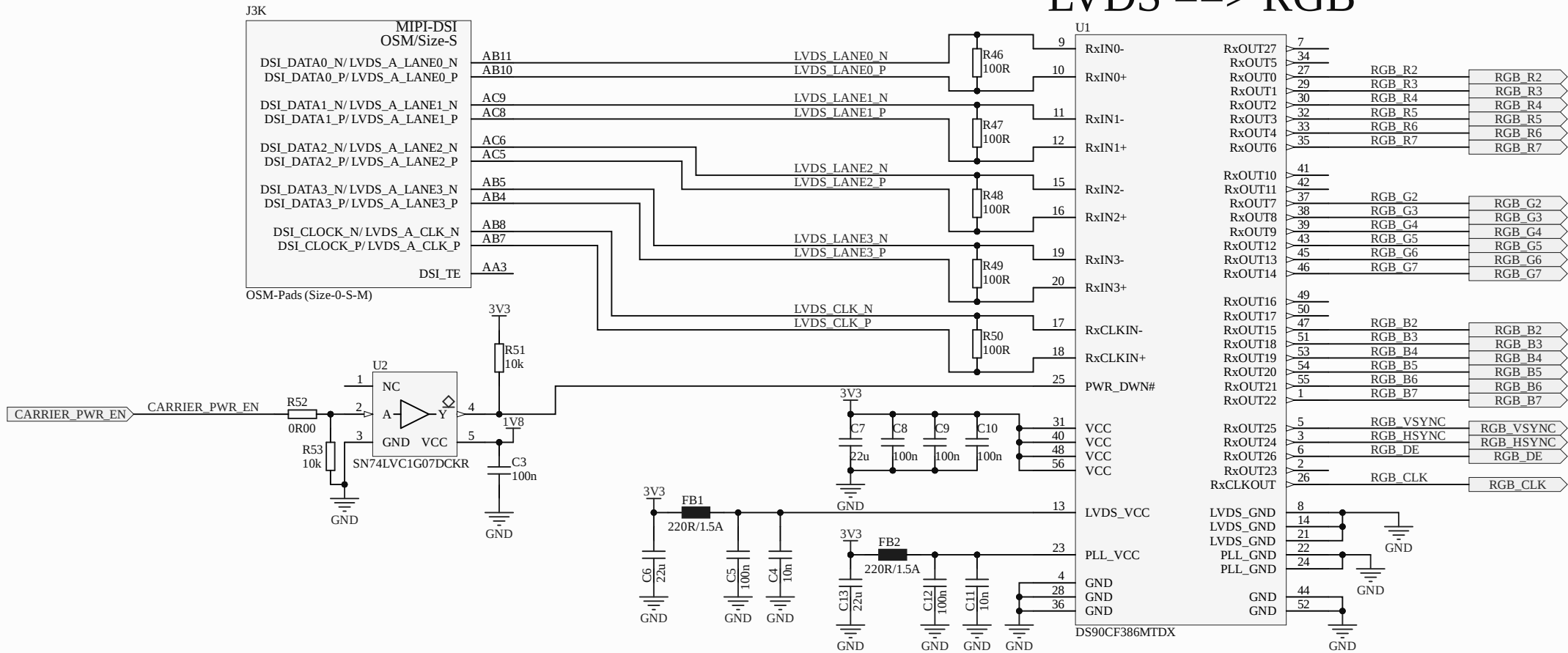
CSI



RGB



LVDS ==> RGB



OSMEVK_ADAP_MSIX93

Sheet: CSI/DISPLAY

Variant: MSIX93

Number 8

Revision: 1.0

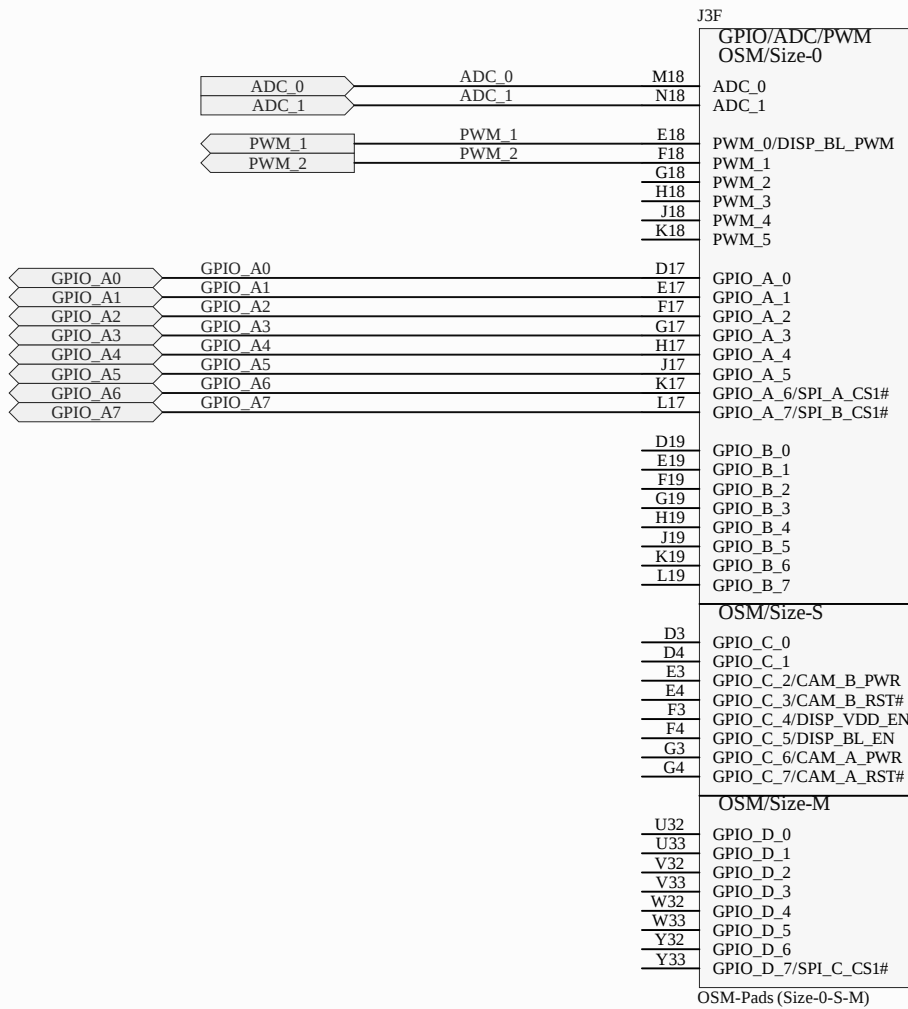
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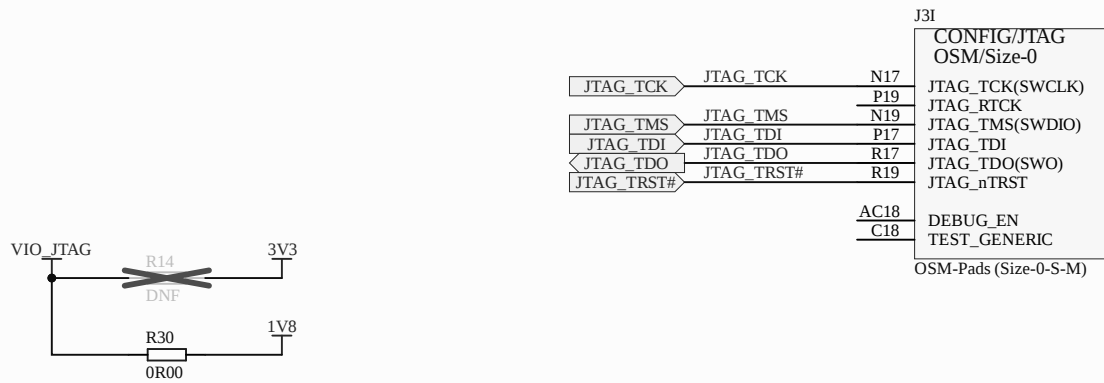


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GPIO/PWM/ADC



JTAG



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Sheet: GPIO/PWM/ADC/JTAG

Variant: MSIX93

Number 9

Revision: 1.0

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Date: 28.08.2025



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