

A

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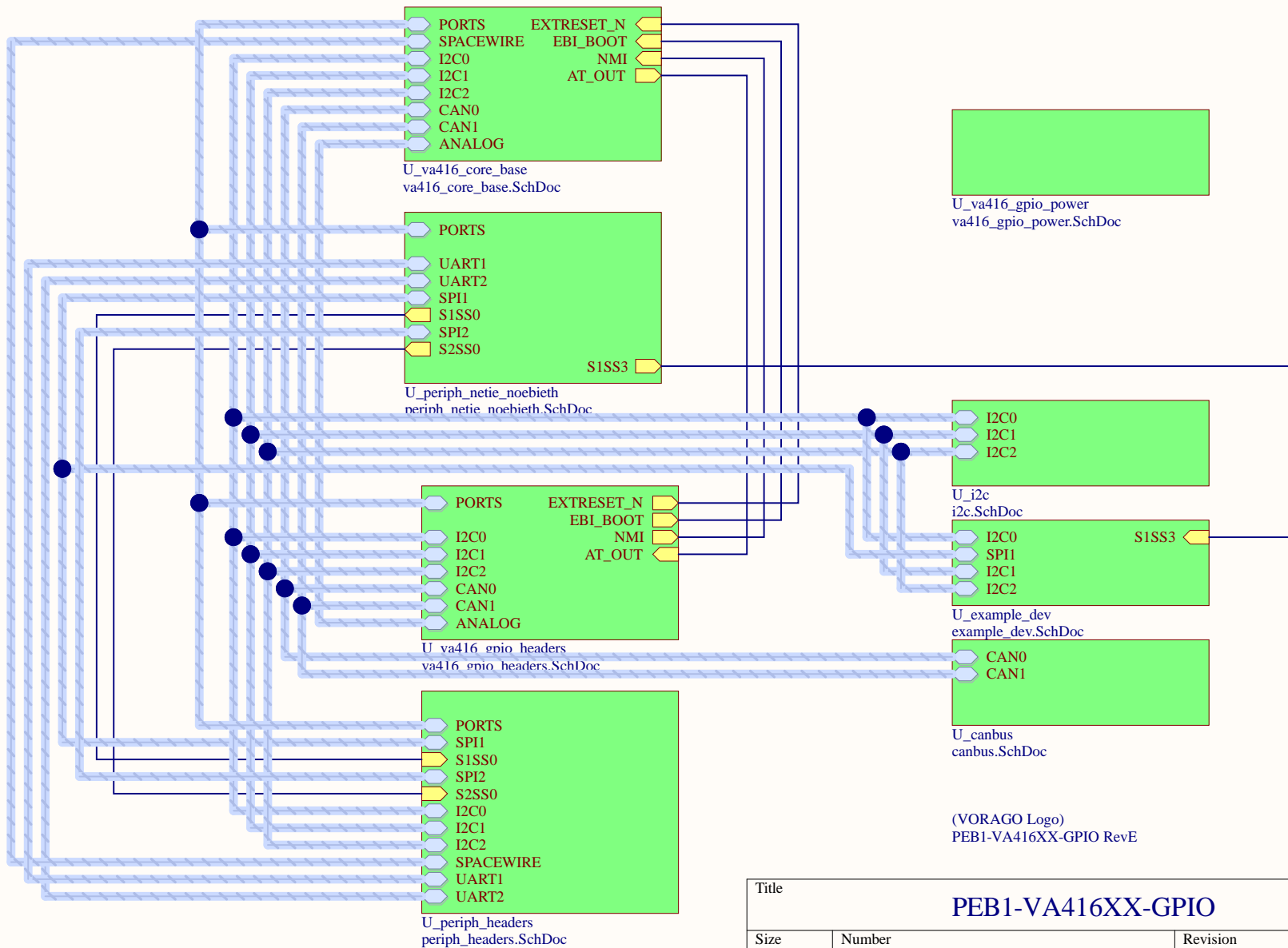
FID_VIA_2mm



FID_VIA_2mm



FID_VIA_2mm



(VORAGO Logo)
PEB1-VA416XX-GPIO RevE

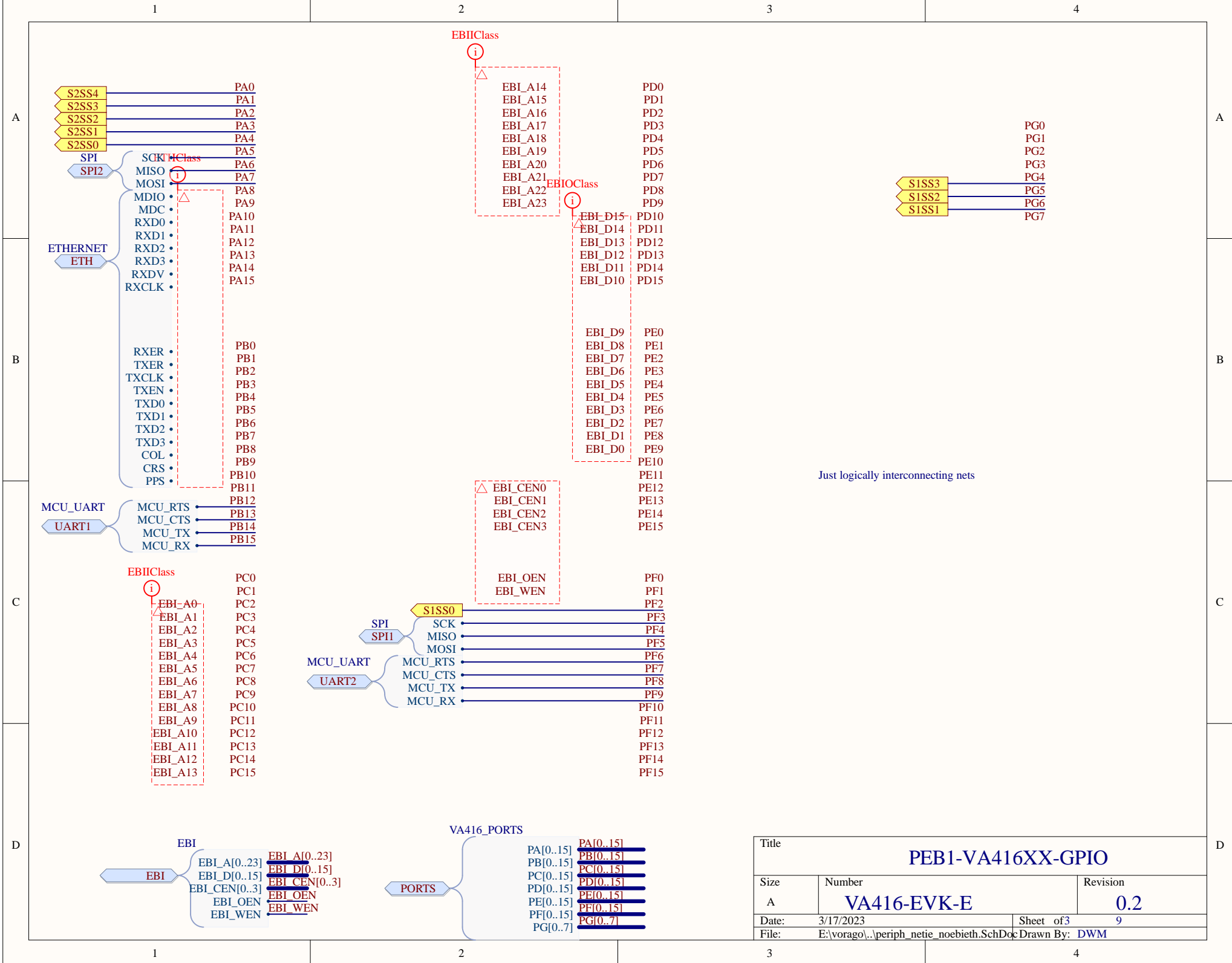
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Size	Number		Revision	
A	VA416-EVK-E		0.2	
Date:	3/17/2023		Sheet of 1	9
File:	C:\svn\...\va416_gpio_top.SchDoc		Drawn By: DWM	

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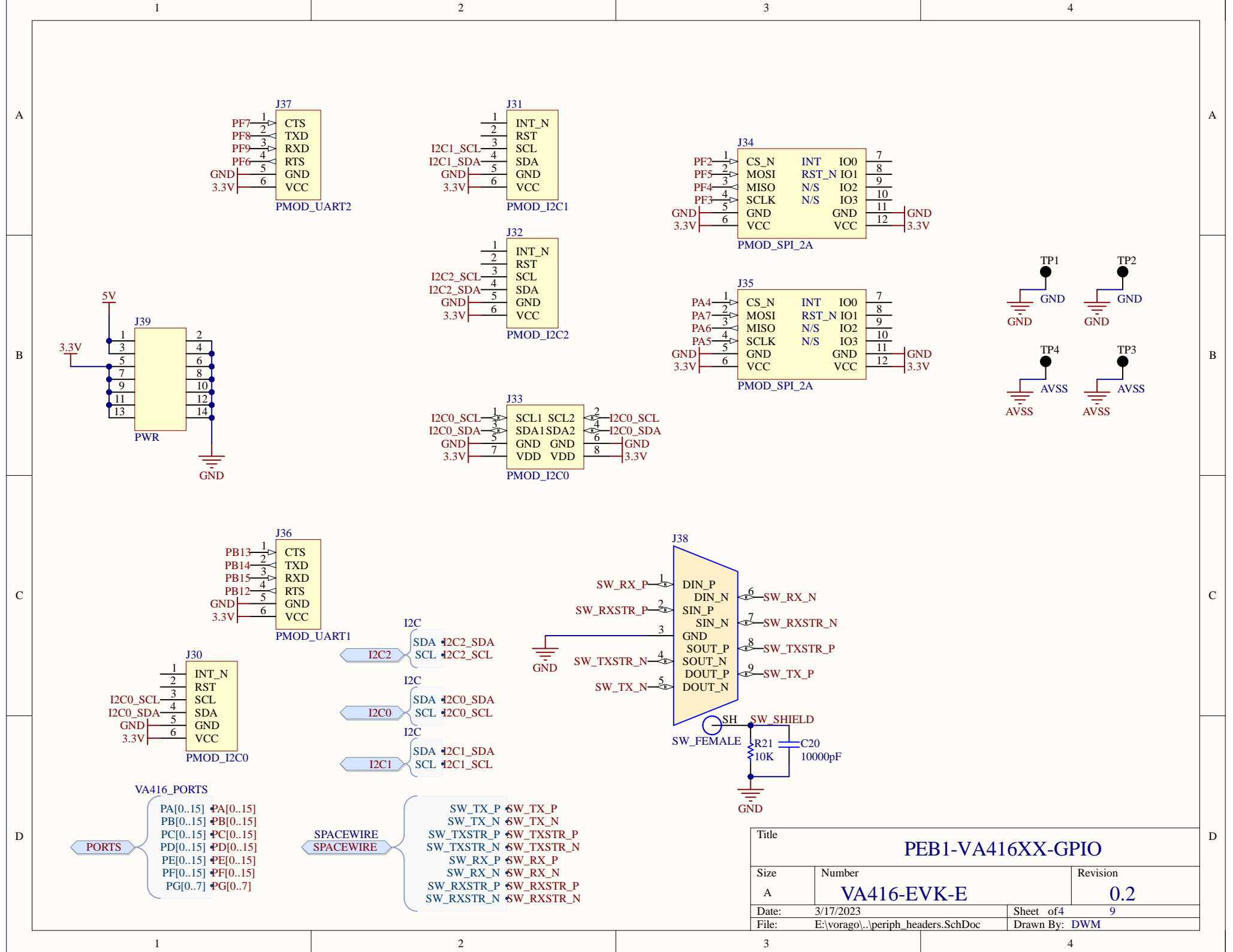
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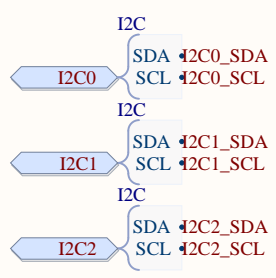
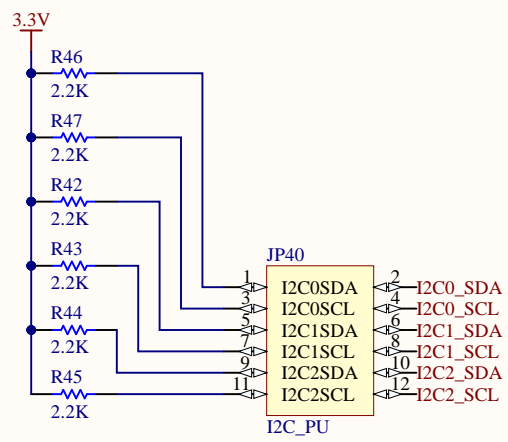
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Title		
PEB1-VA416XX-GPIO		
Size	Number	Revision
A	VA416-EVK-E	0.2
Date:	3/17/2023	Sheet of 3 9
File:	E:\vorago\...\periph_netie_noebieth.SchDoc Drawn By: DWM	





Title			PEB1-VA416XX-GPIO	
Size	Number		Revision	
A	VA416-EVK-E		0.2	
Date:	3/17/2023		Sheet of 5	9
File:	E:\vorago\...\i2c.SchDoc		Drawn By: DWM	

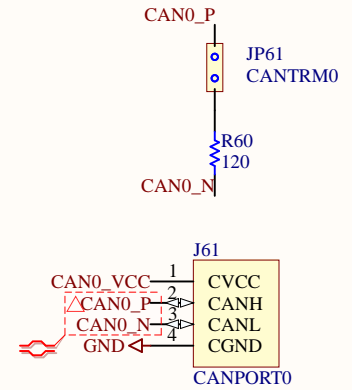
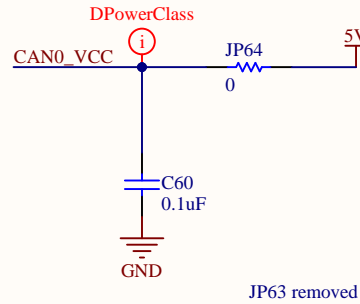
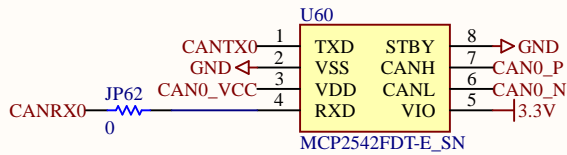
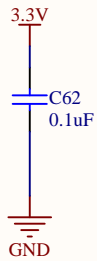
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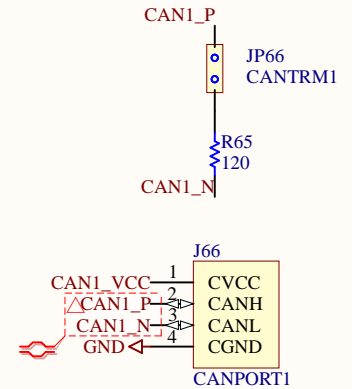
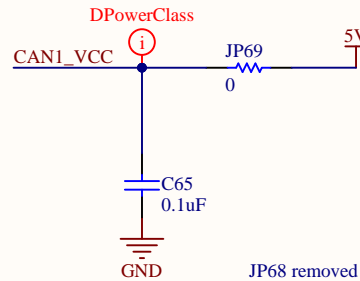
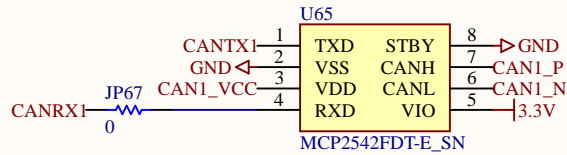
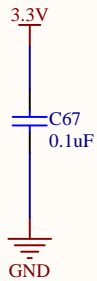
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A



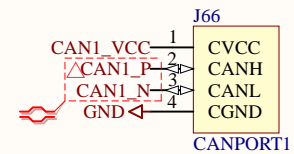
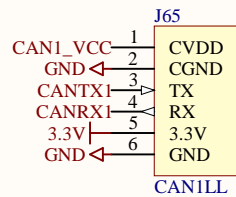
A

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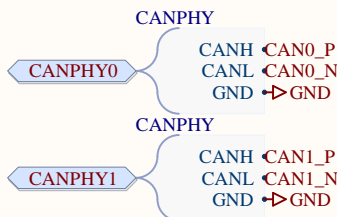
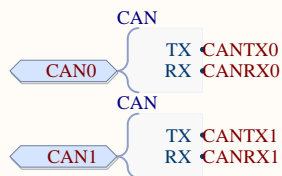
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D

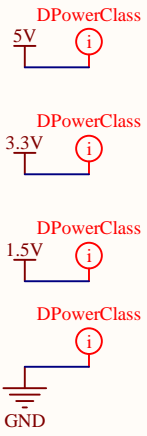
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PEB1-VA416XX-GPIO		
Size	Number	Revision
A	VA416-EVK-E	0.2
Date:	3/17/2023	Sheet of69
File:	E:\vorago\...\canbus.SchDoc	Drawn By: DWM

1

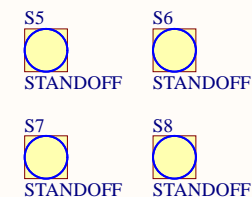
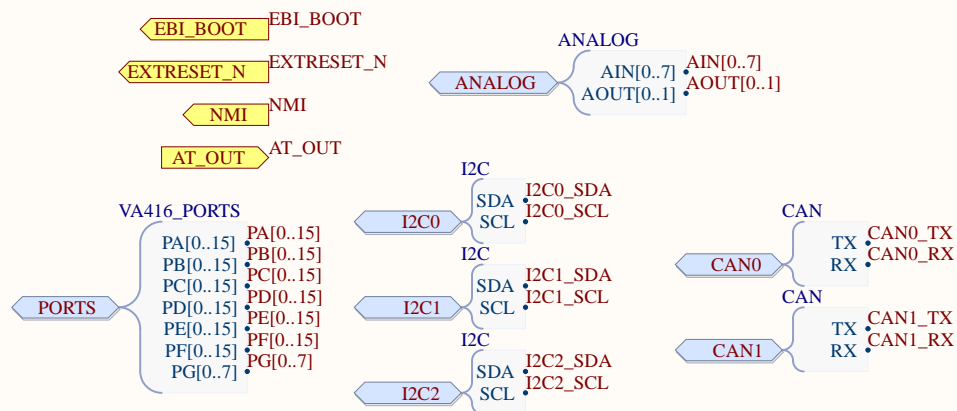
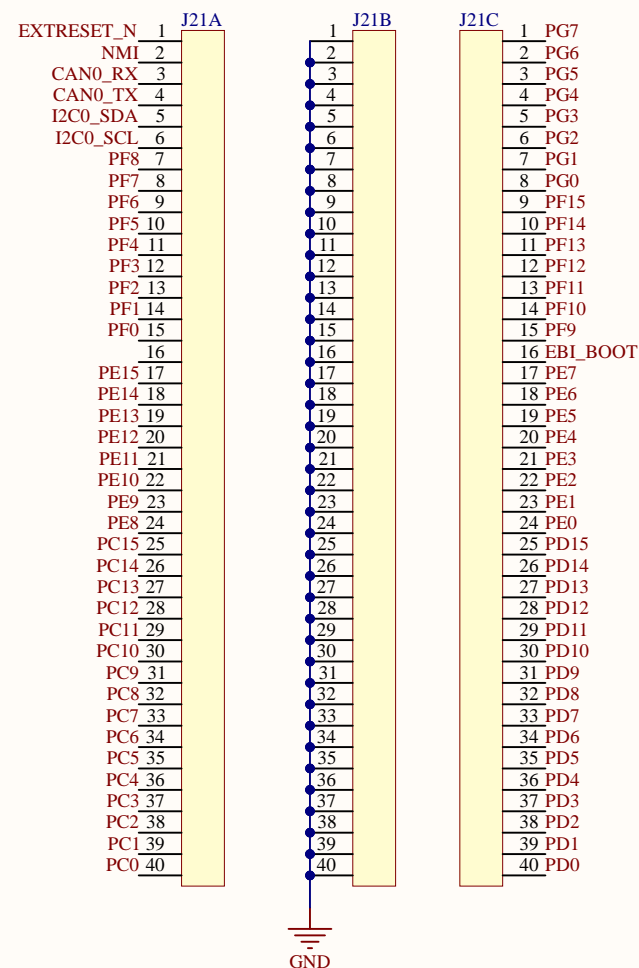
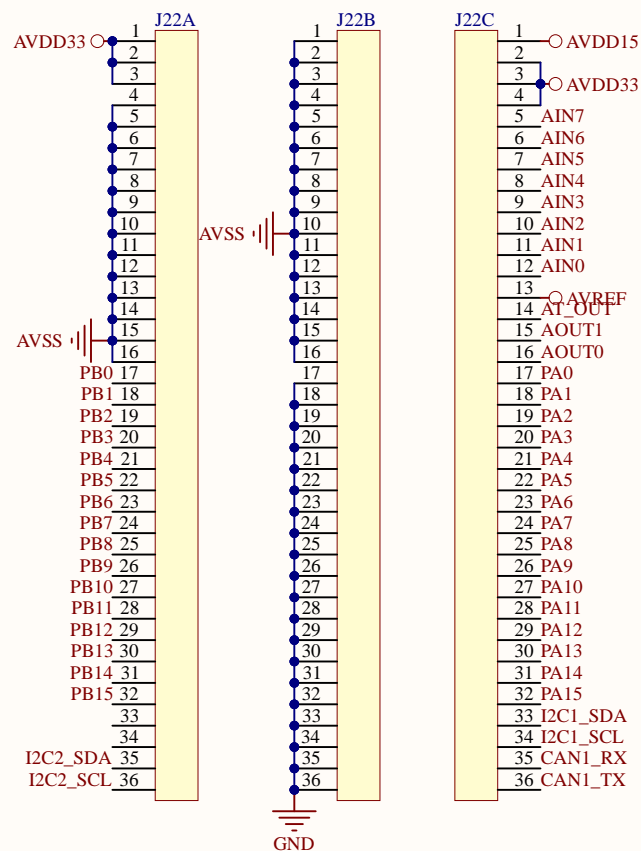
2

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Title			PEB1-VA416XX-GPIO	
Size	Number		Revision	
A	VA416-EVK-E		0.2	
Date:	3/17/2023		Sheet of	79
File:	E:\vorago\...\va416_gpio_power.SchDoc		Drawn By: DWM	



Title			PEB1-VA416XX-GPIO		
Size	Number			Revision	
A	VA416-EVK-E			0.2	
Date:	3/17/2023		Sheet of	8 9	
File:	E:\vorago\...va416_gpio_headers.SchDoc		Drawn By: DWM		

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A

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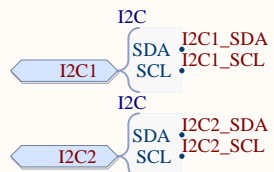
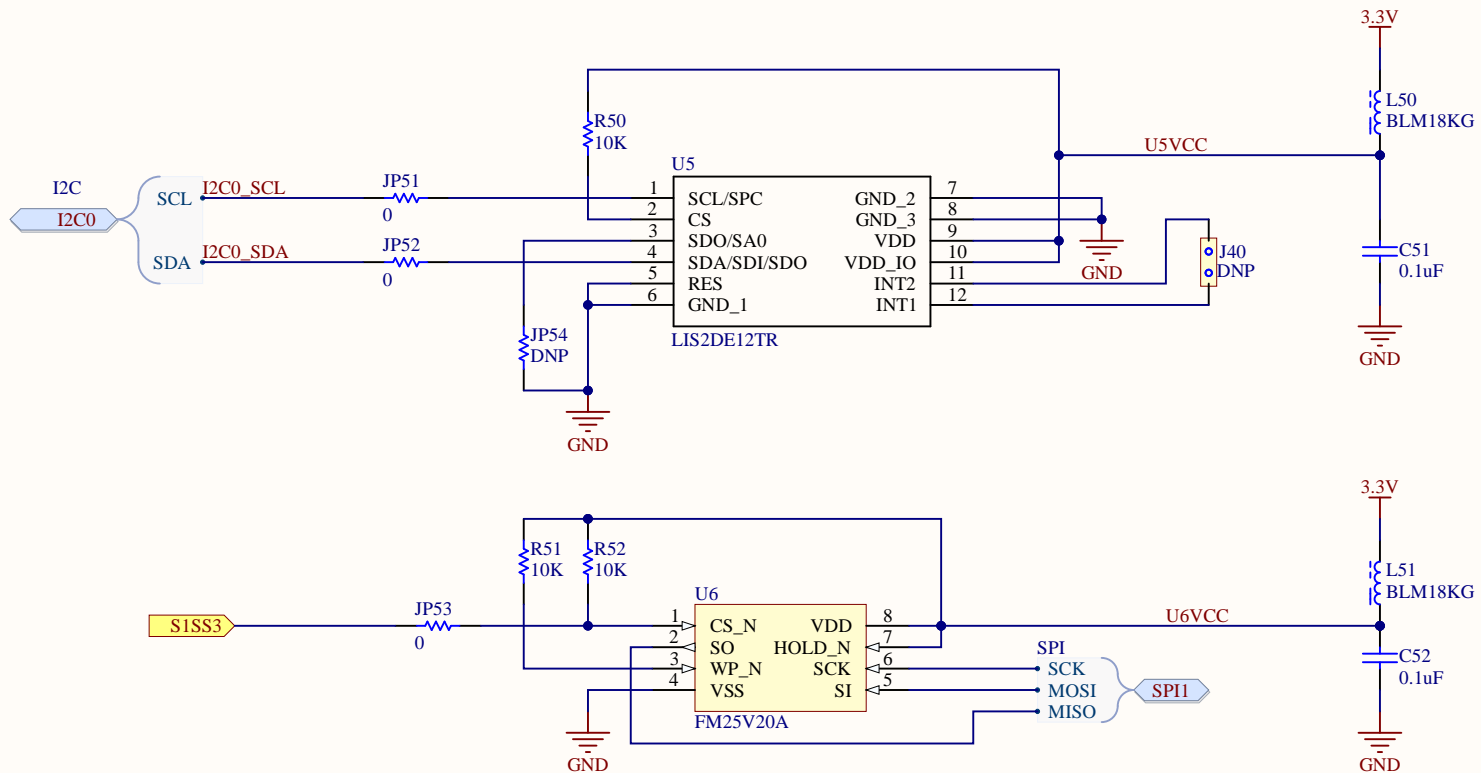
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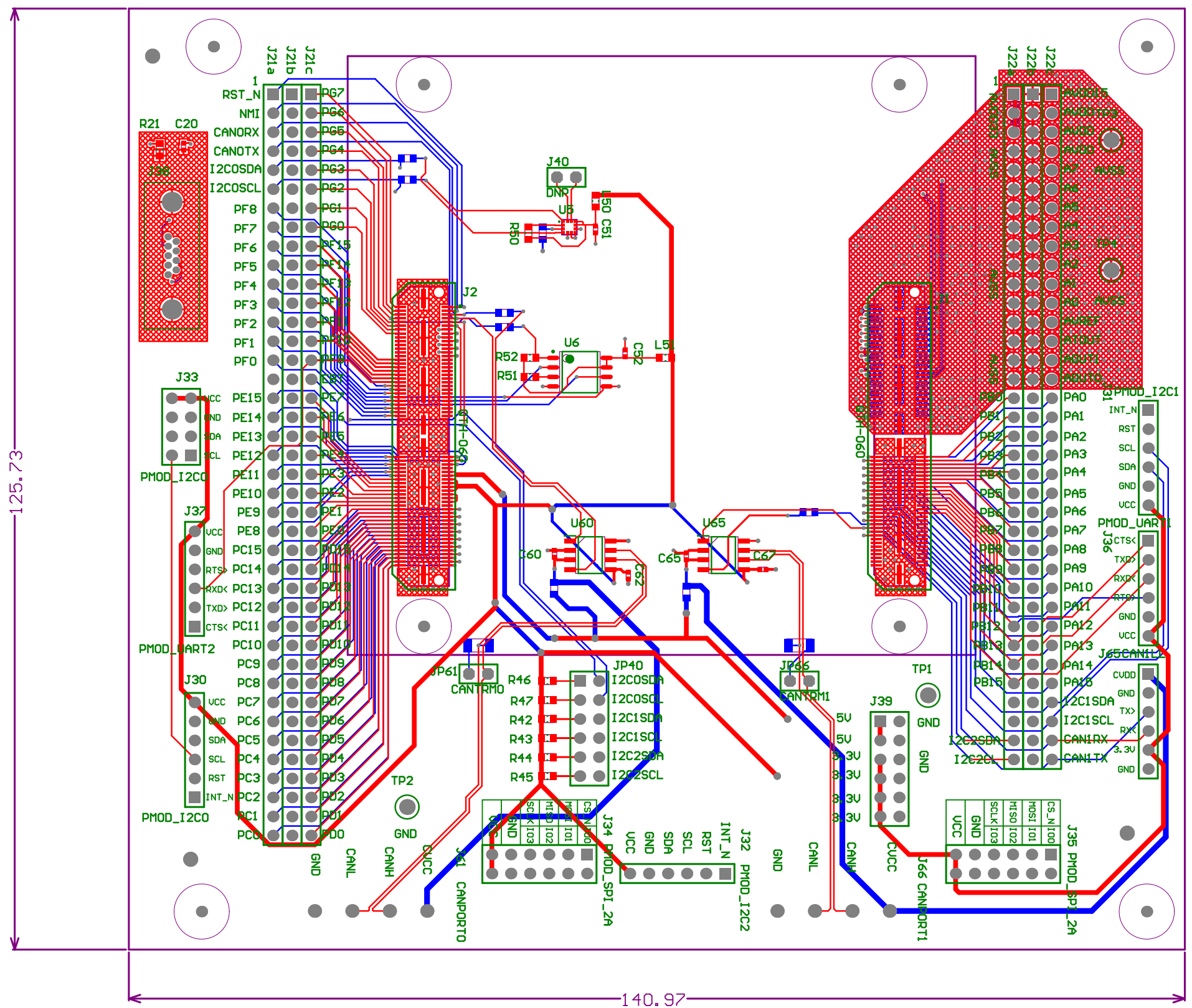
C

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Title			PEB1-VA416XX-GPIO	
Size	Number		Revision	
A	VA416-EVK-E		0.2	
Date:	3/17/2023		Sheet of 9	9
File:	E:\vorago\...\example_dev.SchDoc		Drawn By: DWM	



Comment	Model:Footprint	Description	Designator	Footprint	LibRef	Quantity
10000pF	Chip Capacitor, Body 1.0x0.5mm, Height 0.6mm, IPC Medium Density		C20	CAPC0402(1005)60_N	CAP	1
0.1uF	Chip Capacitor, Body 1.0x0.5mm, Height 0.6mm, IPC Medium Density		C51, C52, C60, C62, C65, C67	CAPC0402(1005)60_N	CAP	6
QTH-060			J1, J2	QTH-060-01-L-D-A-K	QTH-060	2
Header 1x40	Header 2.54mm 1x40		J21A, J21B, J21C	Header_1x40	Header 1x40	3
Header 1x36	Header 2.54mm 1x36		J22A, J22B, J22C	Header_1x36	Header 1x36	3
PMOD_I2C0	SSW-106-02-T-S-RA		J30	PMOD I2C Host 1x6	PMOD_I2C_HOST_6	1
PMOD_I2C1	SSW-106-02-T-S-RA		J31	PMOD I2C Host 1x6	PMOD_I2C_HOST_6	1
PMOD_I2C2	SSW-106-02-T-S-RA		J32	PMOD I2C Host 1x6	PMOD_I2C_HOST_6	1
PMOD_I2C0	SSW-104-02-G-D-RA		J33	PMOD I2C Host 2x4	PMOD_I2C_HOST_8	1
PMOD_SPI_2A	SSW-106-02-G-D-RA		J34, J35	PMOD_SPI_Host_2A	PMOD_SPI_HOST_2A	2
PMOD_UART1	SSW-106-02-T-S-RA		J36	PMOD_UART_Host_4	PMOD_UART_HOST_4	1
PMOD_UART2	SSW-106-02-T-S-RA		J37	PMOD_UART_Host_4	PMOD_UART_HOST_4	1
SW_FEMALE	micro-D 9 female vertical		J38	380-009-213L001	SW_FEMALE	1
PWR			J39	HEADER_2X6	Header 2x7	1
CANPORT0	PT 1,5/ 4-5,0-H - 1935187		J61	CANPhy	CANPORT	1
CAN1LL	SSW-106-02-T-S-RA		J65	CANLLVDD6	CANLLVDD6	1
CANPORT1	PT 1,5/ 4-5,0-H - 1935187		J66	CANPhy	CANPORT	1
I2C_PU	Header 2x6		JP40	I2C_PUx6	I2C_PUx6	1
0	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		JP51, JP52, JP53, JP62, JP64, JP67, JP69	RESC0603(1608)_N	RESISTOR	7
CANTRM0			JP61	JMP2	JMP2	1
CANTRM1			JP66	JMP2	JMP2	1
BLM18KG	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		L50, L51	RESC0603(1608)_N	BLM18KG	2
10K	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		R21, R50, R51, R52	RESC0603(1608)_N	RESISTOR	4
2.2K	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		R42, R43, R44, R45, R46, R47	RESC0603(1608)_N	RESISTOR	6
120	Chip Resistor, Body 3.2x1.6mm, IPC Medium Density		R60, R65	RESC1206(3216)_N	RESISTOR	2
STANDOFF			S5, S6, S7, S8	STANDOFF440	STANDOFF	4
GND	Test Point, Dia 3.17mm	Test Point, Black, Through Hole, RoHS, Bulk	TP1, TP2	KSTN-5011_V	CMP-1672-00003-4	2
AVSS	Test Point, Dia 3.17mm	Test Point, Black, Through Hole, RoHS, Bulk	TP3, TP4	KSTN-5011_V	CMP-1672-00003-4	2
LIS2DE12TR		Integrated Circuit	U5	LGA-12	LIS2DE12TR	1
FM25V20A	SOIC, 8-Leads, Body 5.31x5.285mm, Pitch 1.27mm, IPC Medium Density		U6	MAXM-W8+2_N	FM25V20A	1
MCP2542FDT-E_SN		Integrated Circuit	U60, U65	SOIC127P600X175-8N	MCP2542FDT-E_SN	2