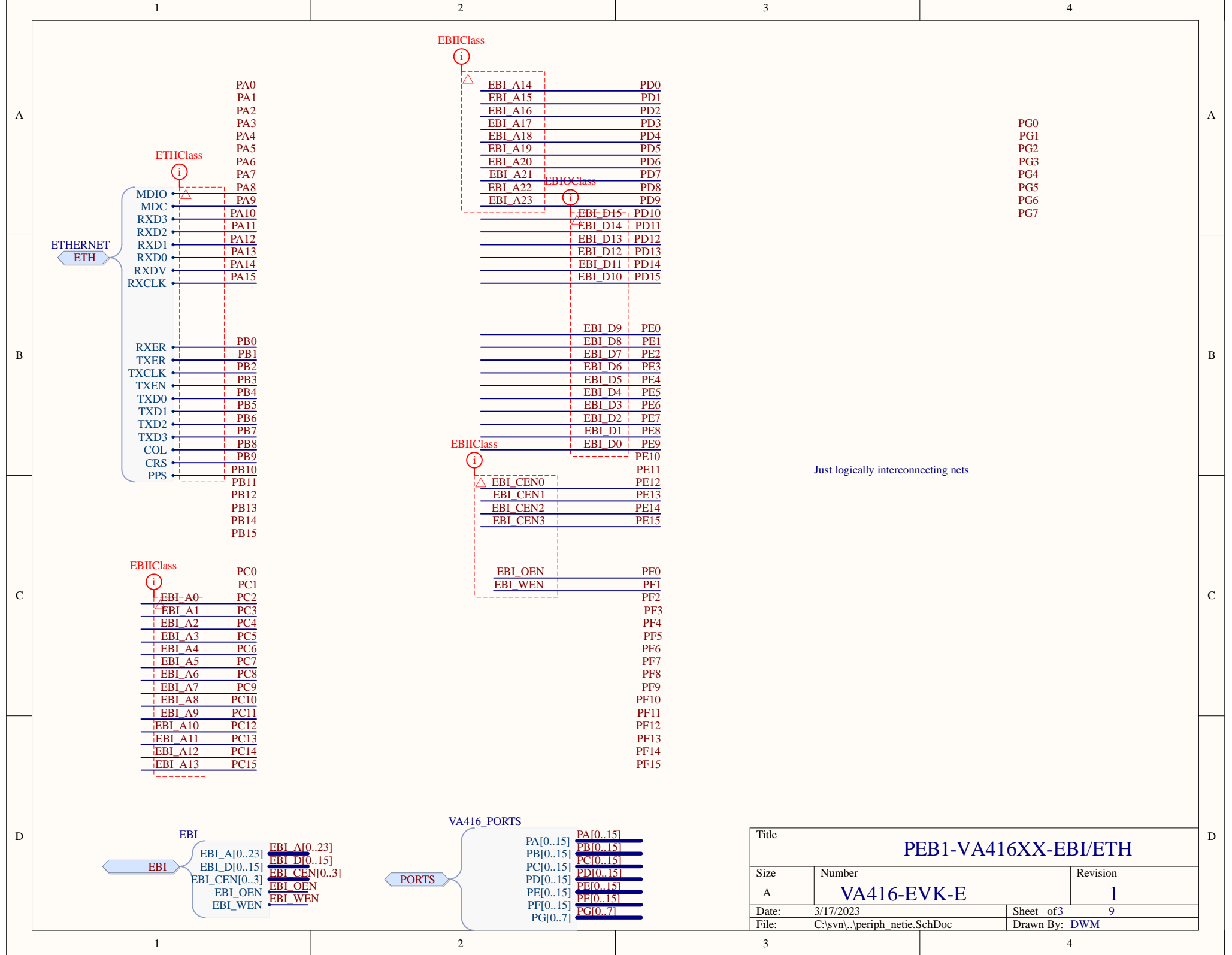
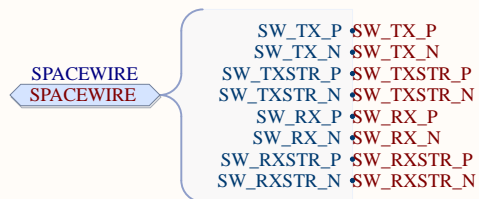
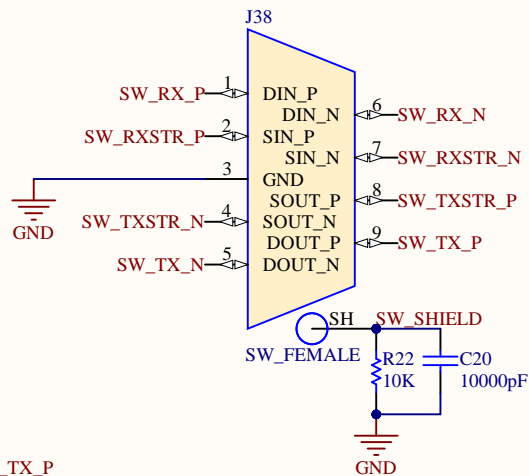
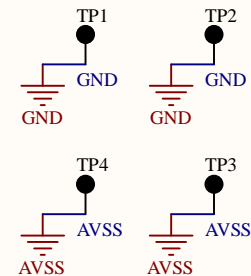
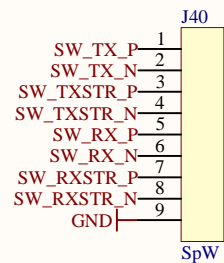
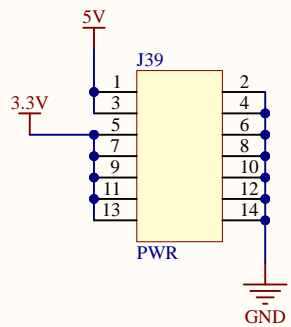


(VORAGO Logo)  
PEB1-VA416XX-EBI/ETH RevE

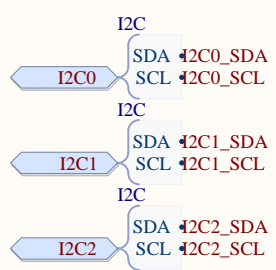
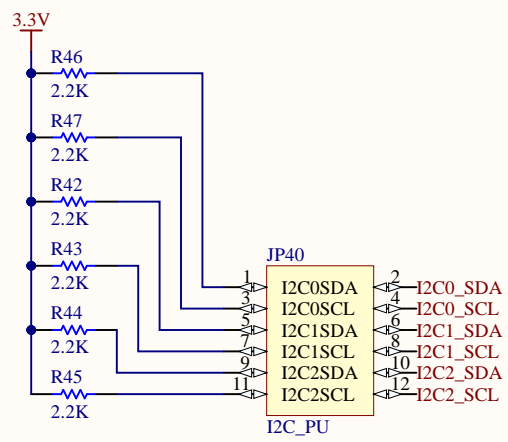
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Size	Number		Revision	
A	VA416-EVK-E		1	
Date:	3/17/2023		Sheet of	11
File:	C:\svn\...\ebieth_top.SchDoc		Drawn By: DWM	







Title			PEB1-VA416XX-EBI/ETH	
Size	Number		Revision	
A	VA416-EVK-E		1	
Date:	3/17/2023		Sheet of 4	9
File:	C:\svn\...\periph_headers.SchDoc		Drawn By: DWM	



Title			PEB1-VA416XX-EBI/ETH	
Size	Number		Revision	
A	VA416-EVK-E		1	
Date:	3/17/2023		Sheet of 5	9
File:	C:\svn\...\i2c.SchDoc		Drawn By: DWM	

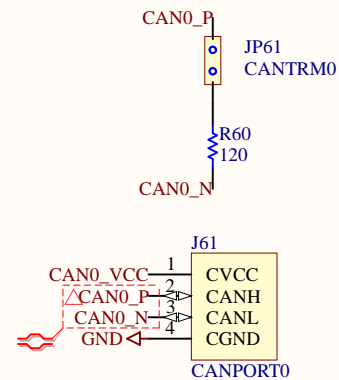
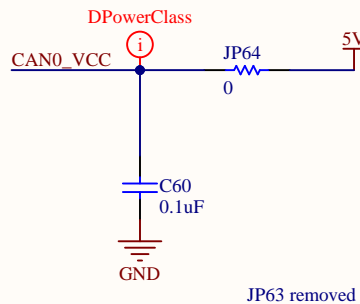
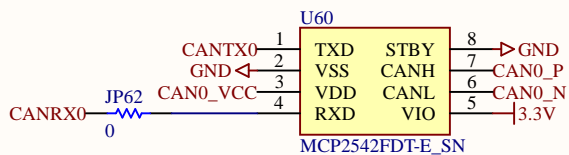
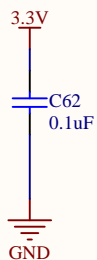
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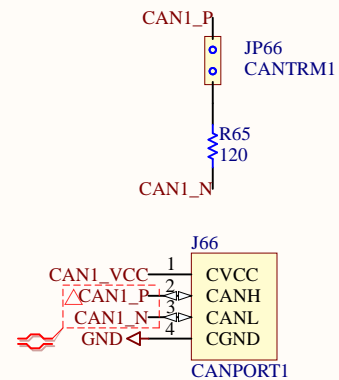
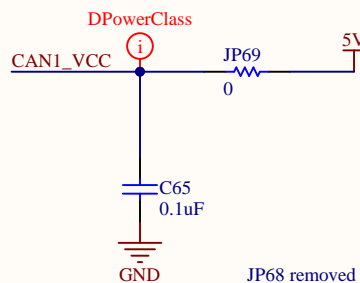
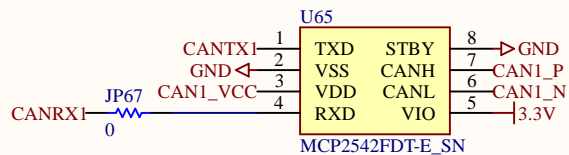
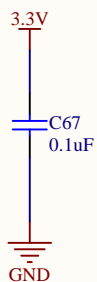
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A

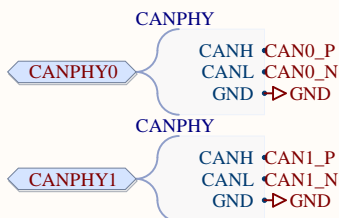
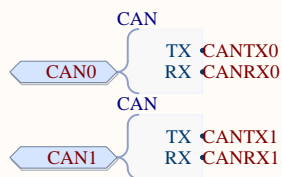
B



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D



D

Title		
PEB1-VA416XX-EBI/ETH		
Size	Number	Revision
A	VA416-EVK-E	1
Date:	3/17/2023	Sheet of 6 9
File:	C:\svn\...\canbus.SchDoc	Drawn By: DWM

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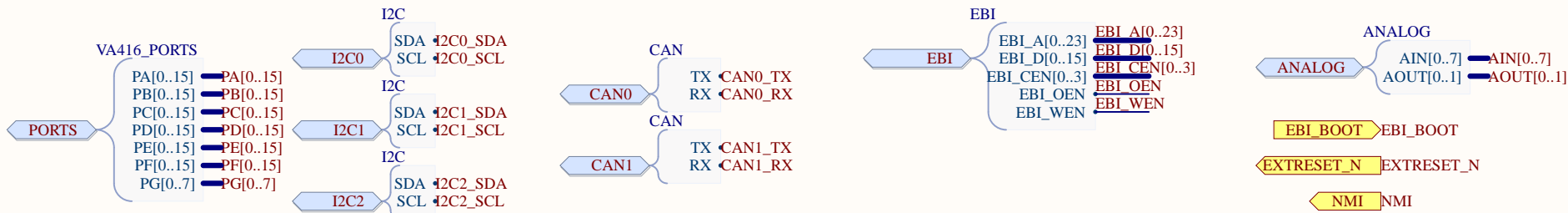
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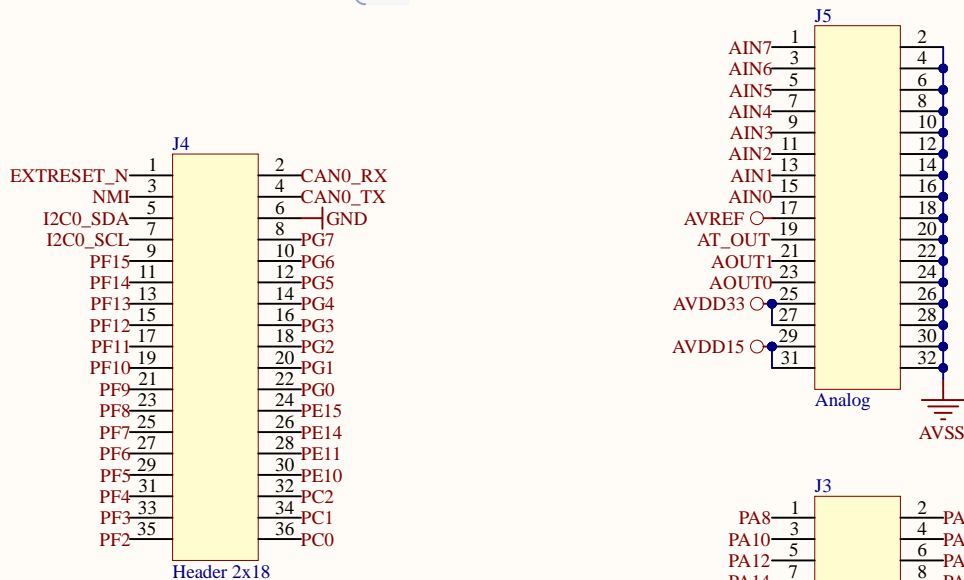
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A



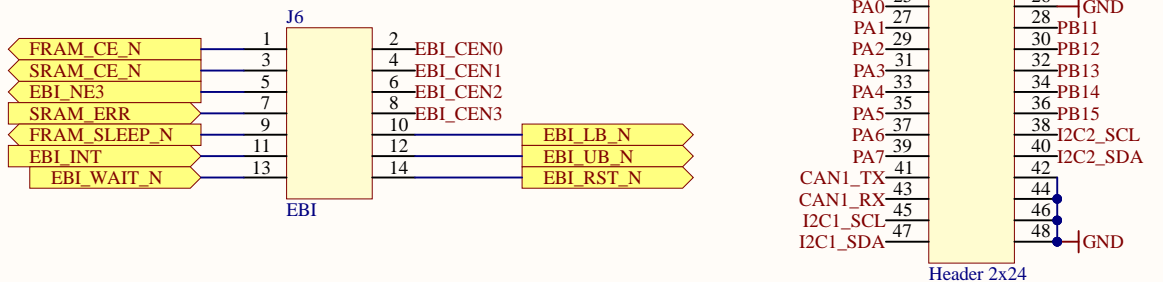
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C

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D

D

Title		
PEB1-VA416XX-EBI/ETH		
Size	Number	Revision
A	VA416-EVK-E	1
Date:	3/17/2023	Sheet of 11
File:	C:\svn\...\ebi_base_headers.SchDoc	Drawn By: DWM

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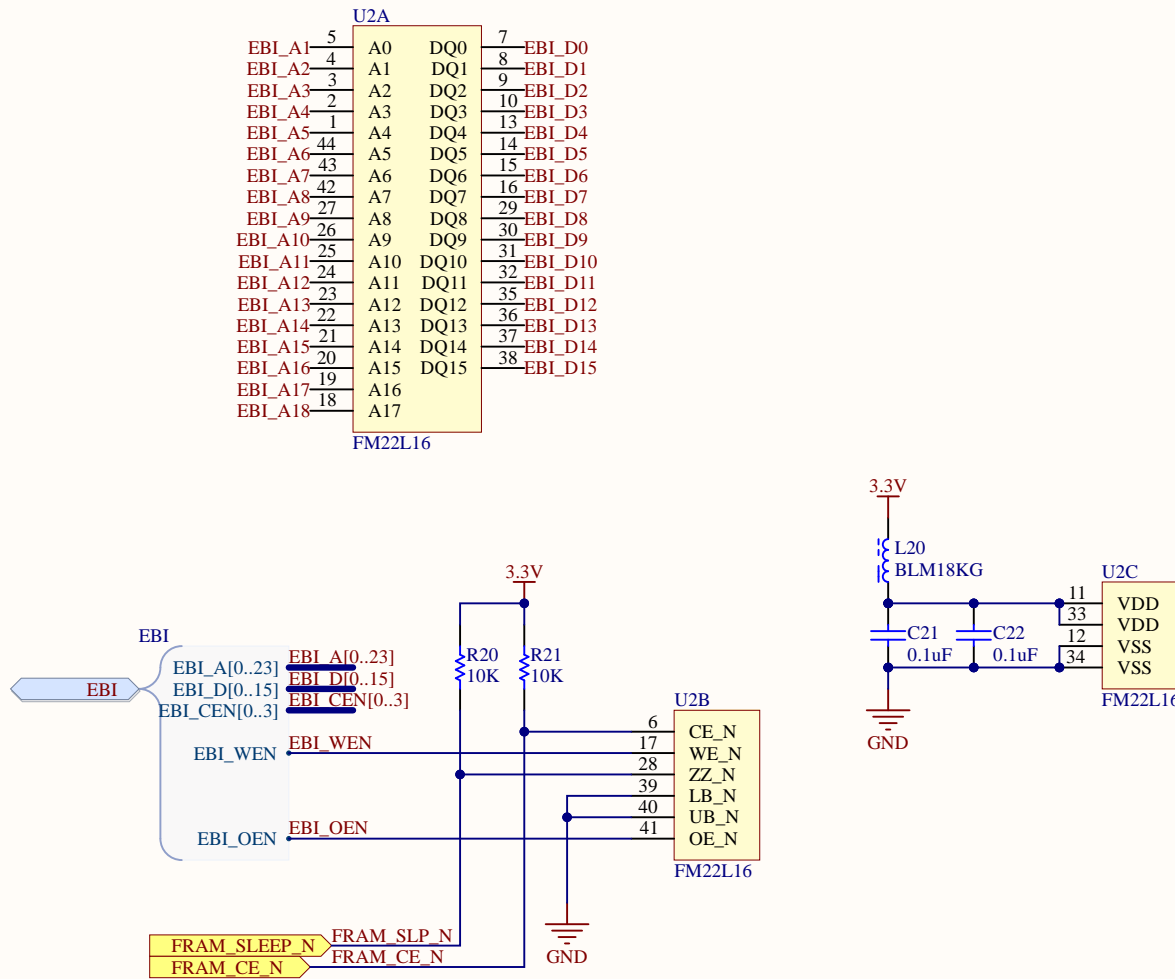
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Title		
PEB1-VA416XX-EBI/ETH		
Size	Number	Revision
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Date:	3/17/2023	Sheet of8 11
File:	C:\svn\...\ebi_fram.SchDoc	Drawn By: DWM

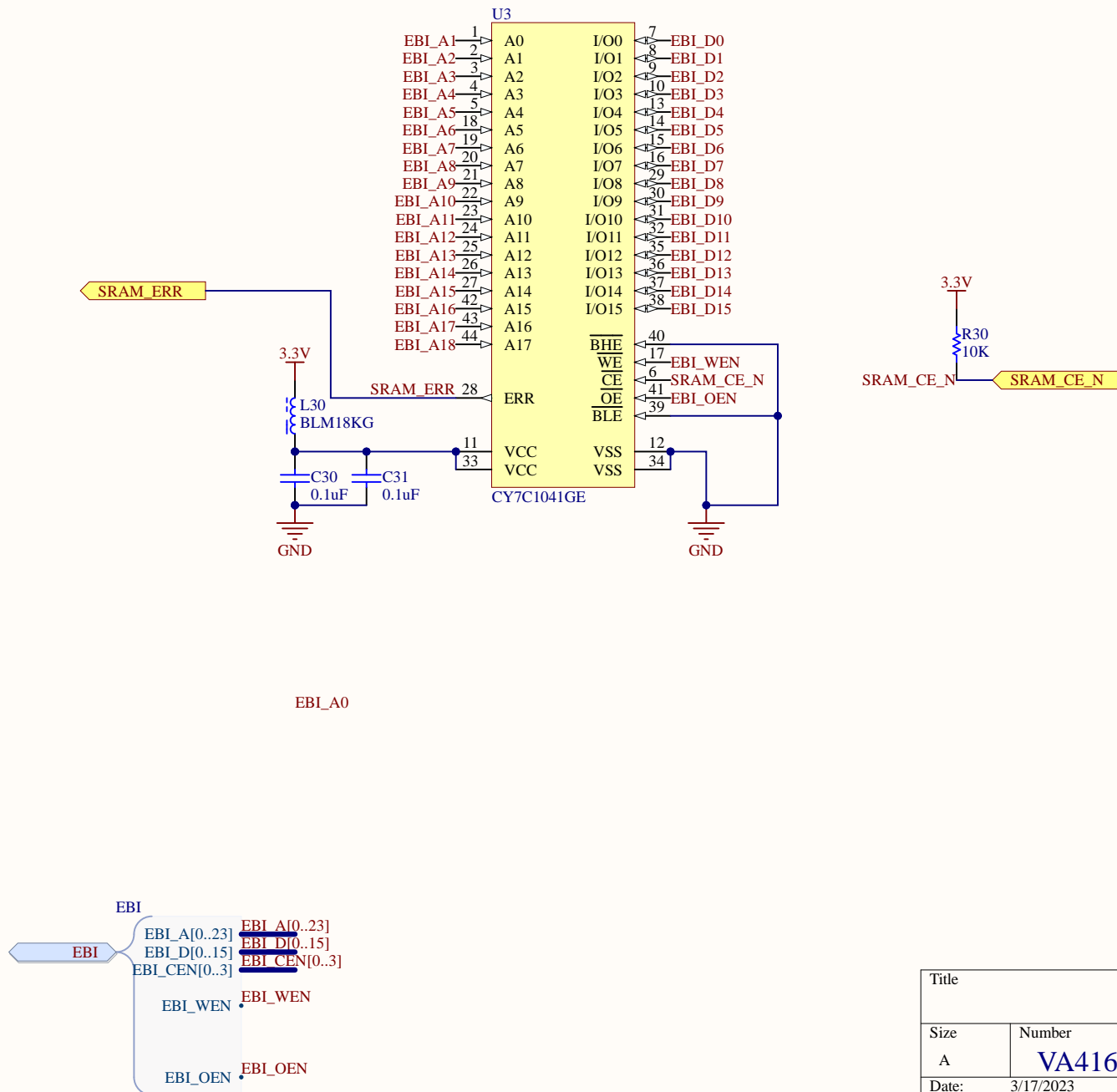
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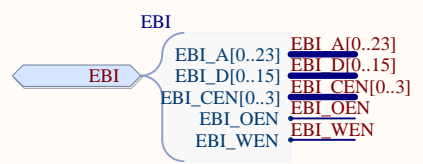
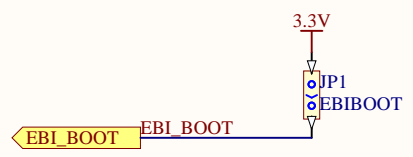
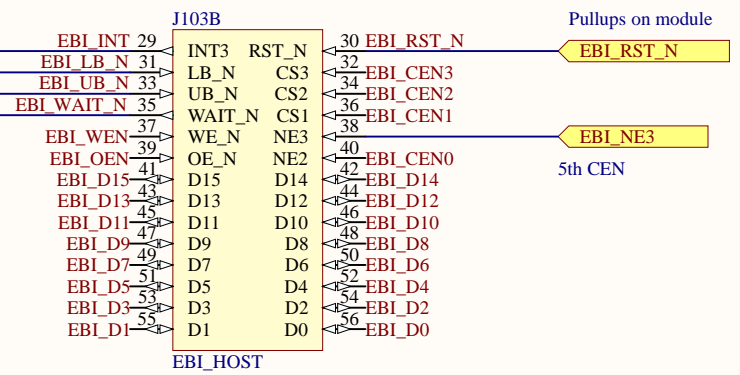
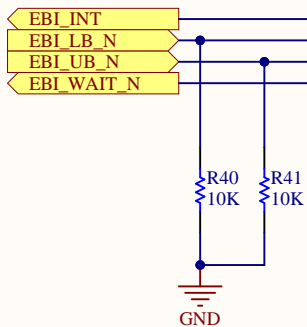
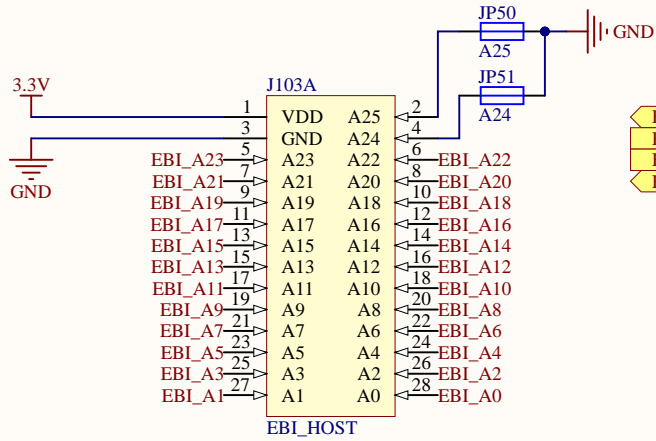
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Title			PEB1-VA416XX-EBI/ETH	
Size	Number		Revision	
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Date:	3/17/2023		Sheet of	11
File:	C:\svn\...\ebi_sram.SchDoc		Drawn By: DWM	



Title			PEB1-VA416XX-EBI/ETH		
Size	Number			Revision	
A	VA416-EVK-E			1	
Date:	3/17/2023			Sheet of 10	11
File:	C:\svn\...\ebi_int.SchDoc			Drawn By: DWM	

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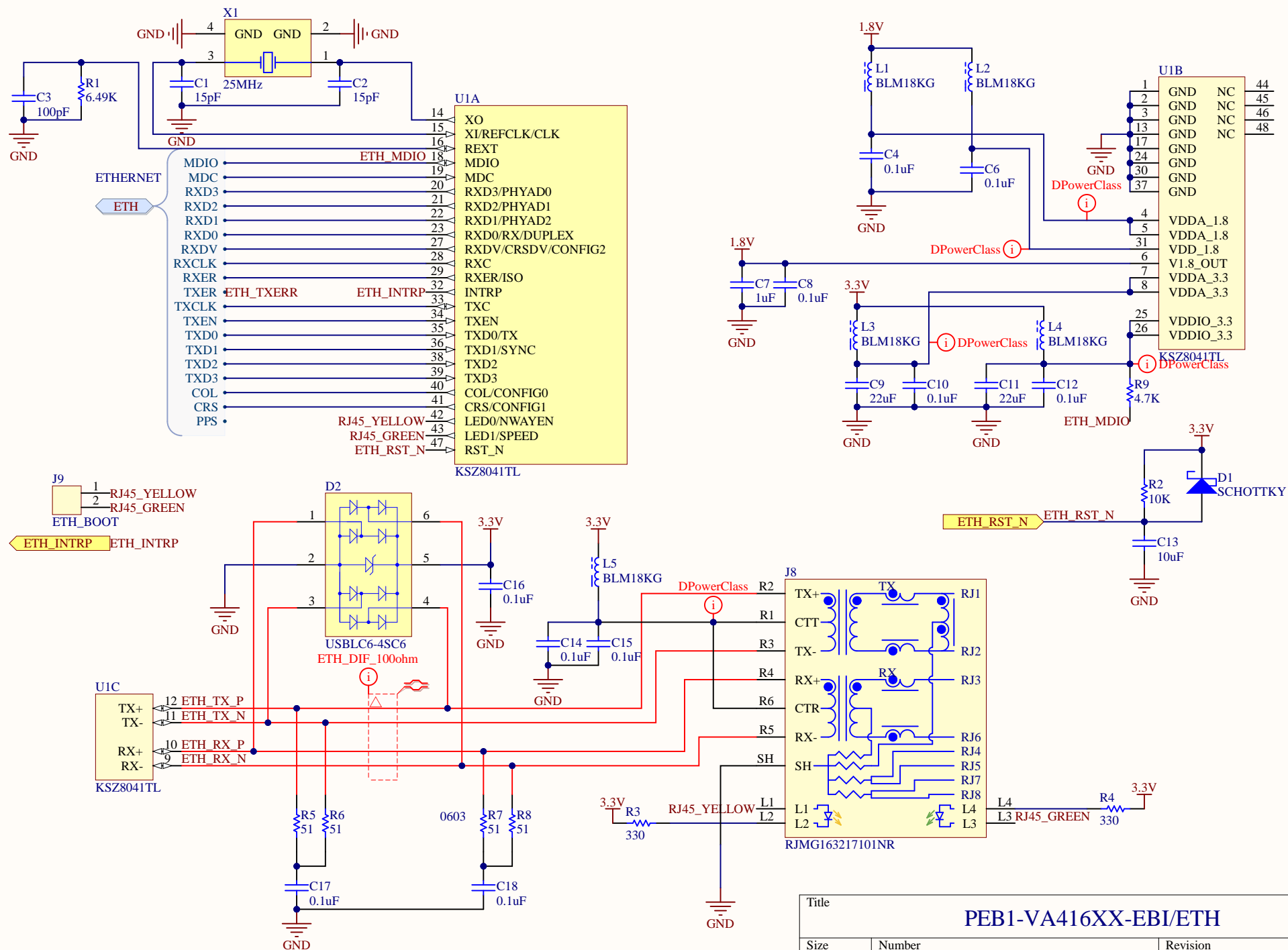
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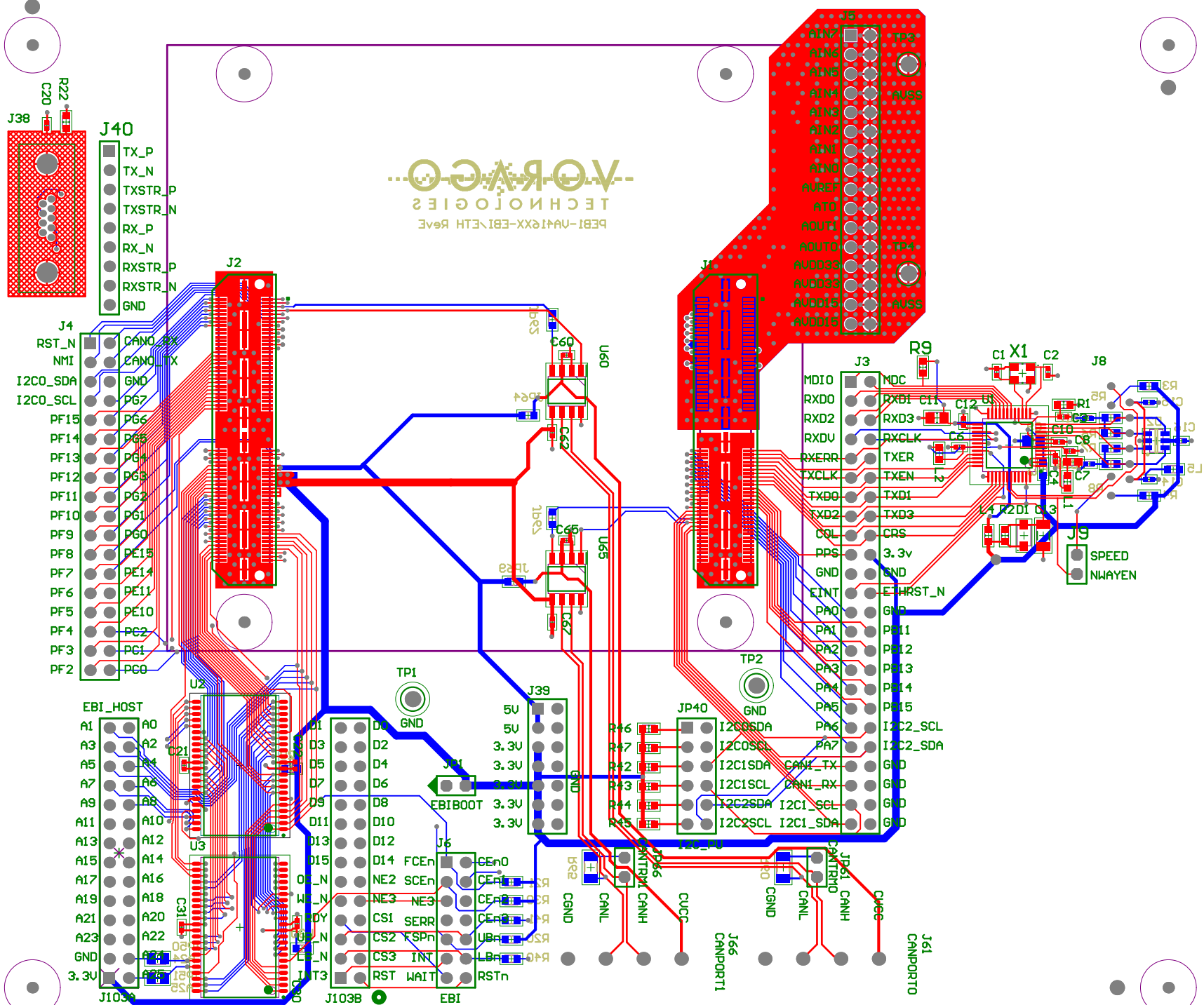
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Title		
PEB1-VA416XX-EBI/ETH		
Size	Number	Revision
A	VA416-EVK-E	1
Date:	3/17/2023	Sheet of 11
File:	C:\svn\...\eth_int.SchDoc	Drawn By: DWM



Comment	Model Footprint	Description	Designator	Footprint	LibRef	Quantity	Footprint>Description
15pF	Chip Capacitor, Body 1.0x0.5mm, Height 0.6mm, IPC Medium Density		C1, C2	CAPC0402(1005)60_N	CAP	2	
100pF	Chip Capacitor, Body 1.0x0.5mm, Height 0.6mm, IPC Medium Density		C3	CAPC0402(1005)60_N	CAP	1	
0.1uF	Chip Capacitor, Body 1.0x0.5mm, Height 0.6mm, IPC Medium Density		C4, C6, C8, C10, C12, C14, C15, C16, C17, C18, C21, C22, C30, C31, C60, C62, C65, C67	CAPC0402(1005)60_N	CAP	18	
1uF	Chip Capacitor, 2- Leads, Body 1.6x0.81mm, IPC Medium Density		C7	CAPC0603(1608)100_N	CAP	1	
22uF	Chip Capacitor, Body 2.0x1.2mm, Height 1.0mm, IPC Medium Density		C9, C11	CAPC0805(2012)100_N	CAP	2	
10uF	Chip Capacitor, Body 3.2x1.6mm, Height 1.3mm, IPC Medium Density		C13	CAPC1206(3216)130_N	CAP	1	
1000pF	Chip Capacitor, Body 1.0x0.5mm, Height 0.6mm, IPC Medium Density		C20	CAPC0402(1005)60_N	CAP	1	
SCHOTTKY	SODFL, 2-Leads, Body 1.65x3.50mm, IPC Medium Density		D1	SOD123FL-N	SCHOTTKY	1	
USBLC6-45C6	SOT23, 6-Leads, Body 3.05x1.75mm, Pitch 0.95mm	Very Low Capacitance ESD Protection, 3 pF, 4 Protection Lines, -40 to 125 degC, 6-Pin SOT23, RoHS, Tape and Reel	D2	STM-SOT23-6L_V	CMP-2000-07370-1	1	
QTH-060			J1, J2	QTH-060-01-L-D-A-E	QTH-060	2	
Header 2x24	Header 2.54mm 2x24		J3	Header_2x24	Header 2x24	1	
Header 2x18	Header 2.54mm 2x18		J4	Header_2x18	Header 2x18	1	
Analog	Header 2.54mm 2x16		J5	Header_2x16	Header 2x16	1	
EBI	Header 2.54mm 2x7		J6	Header_2x7	Header 2x7	1	
RJMG163217101NR	ETH JACK W/INTEGRAL MAG		J8	RJMG163217101NR	RJMG163217101NR	1	
ETH_ROOT	Header 517-2302- 6121TG		J9	JMP2	Header 1x2	1	
SW_FEMALE	Pinch-D 9 female vertical		J38	380-009-213L001	SW_FEMALE	1	
PWR	Header 2.54mm 2x7		J39	Header_2x7	Header 2x7	1	
SpW	Header 2.54mm 1x9		J40	Header_1x9	Header 1x9	1	
CANPORT0	PT 1.5/ 4.5D-H- 1935187		J61	CANPhy	CANPORT	1	
CANPORT1	PT 1.5/ 4.5D-H- 1935187		J66	CANPhy	CANPORT	1	
EBI_HOST	SSW-114-22-F-D- LL		J103A	FSMC_HOST_SPLIT_A	FSMC_HOST_SPLIT_A	1	
EBI_HOST	SSW-114-22-F-D- LL		J103B	FSMC_HOST_SPLIT_B	FSMC_HOST_SPLIT_B	1	
EBIROOT	Header 517-2302- 6121TG		JP1	JMP_DIR	JMP2	1	
I2C_PU	Header 2x6		JP40	I2C_PUx6	I2C_PUx6	1	
CANTRM0			JP61	JMP2	JMP2	1	
0	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		JP62, JP64, JP67, JP69	RESC0603(1608)_N	RESISTOR	4	
CANTRM1			JP66	JMP2	JMP2	1	
BLM18KG	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		L1, L2, L3, L4, L5, L20, L30	RESC0603(1608)_N	BLM18KG	7	
6.49K	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		R1	RESC0603(1608)_N	RESISTOR	1	
10K	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		R2, R20, R21, R22, R30, R40, R41	RESC0603(1608)_N	RESISTOR	7	
330	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		R3, R4	RESC0603(1608)_N	RESISTOR	2	
51	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		R5, R6, R7, R8	RESC0603(1608)_N	RESISTOR	4	
4.7K	Chip Resistor, Body 1.6x0.8mm, IPC Medium Density		R9	RESC0603(1608)_N	RESISTOR	1	
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	
KS28041TL	QFP, 48-Leads, Body 7x7mm, Pitch 0.5mm, IPC Medium Density		U1	QFP-48_N	KS28041TL	1	
FMZL16	TSOP, II_44_N		U2	TSOP_II_44_N	FMZL16	1	
CY7C1041GE	SOP, 44-Leads, Body 18.5x10.3mm, Pitch 0.8mm, IPC Medium Density		U3	CYP-TSOP-44_N	CY7C1041GE	1	
MCP2542FDT-E_SN	25MHz 4-Leads, Body 3.2x2.5mm	Integrated Circuit	U60, U65	SOIC127P600K175-8N	MCP2542FDT-E_SN	2	
25MHz	25MHz 4-Leads, Body 3.2x2.5mm	25MHz 12pF FA-238 25.0000MHz	X1	XTAL_3.2x2.5	XTAL_5MD_4	1	