

A

B

C

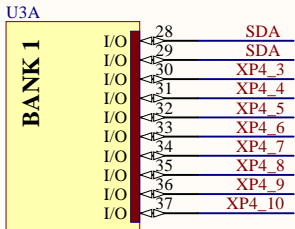
D

A

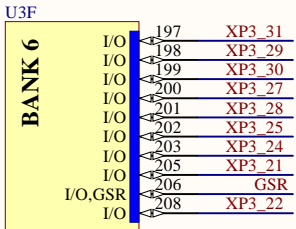
B

C

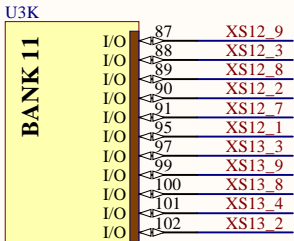
D



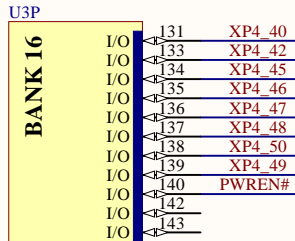
XC95288XL-6PQG208C



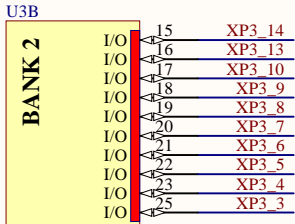
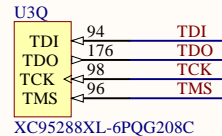
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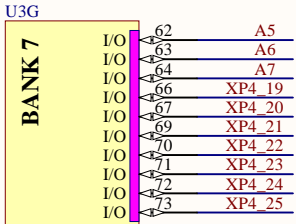
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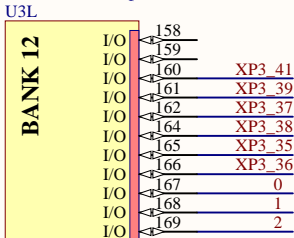
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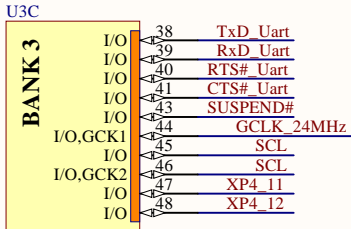
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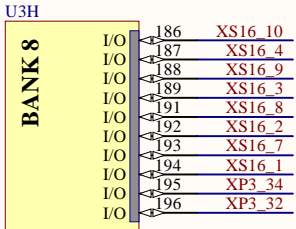
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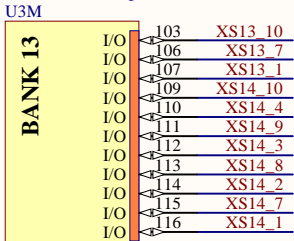
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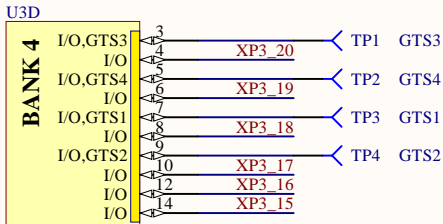
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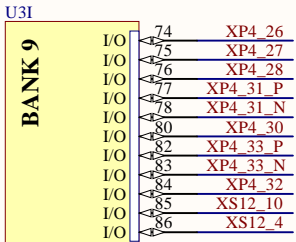
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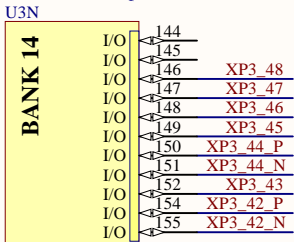
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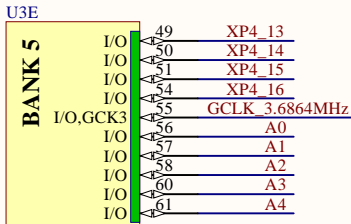
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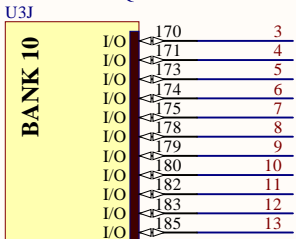
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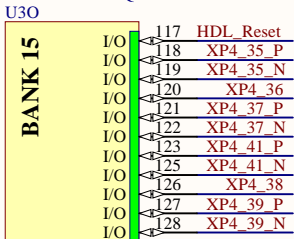
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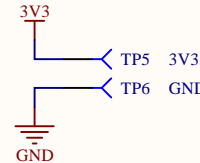
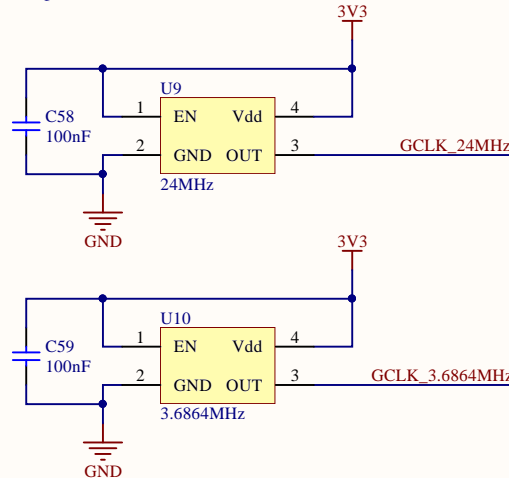
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XC95288XL-6PQG208C

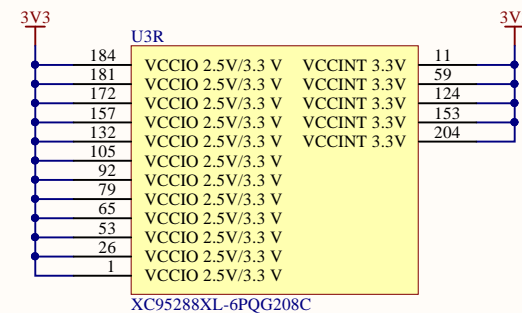
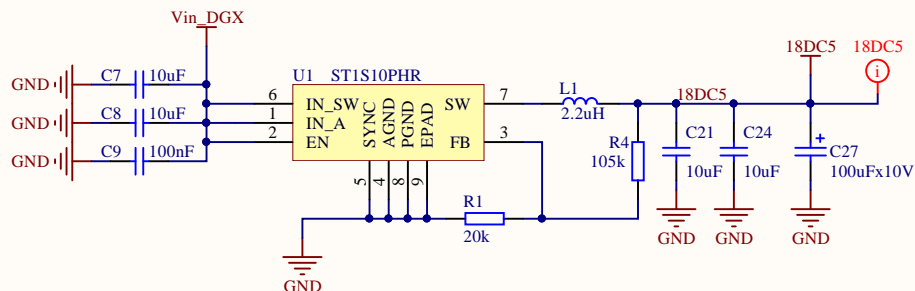
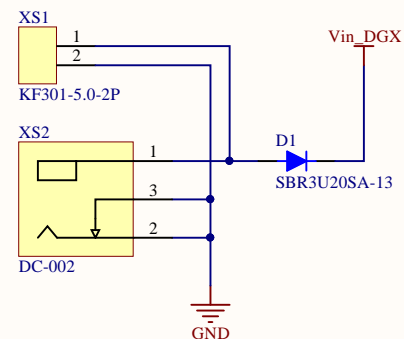


XC95288XL-6PQG208C



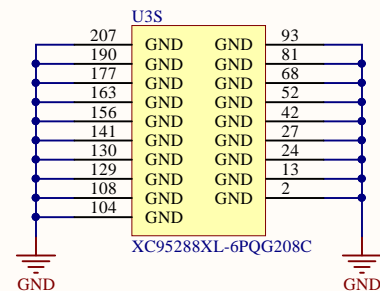
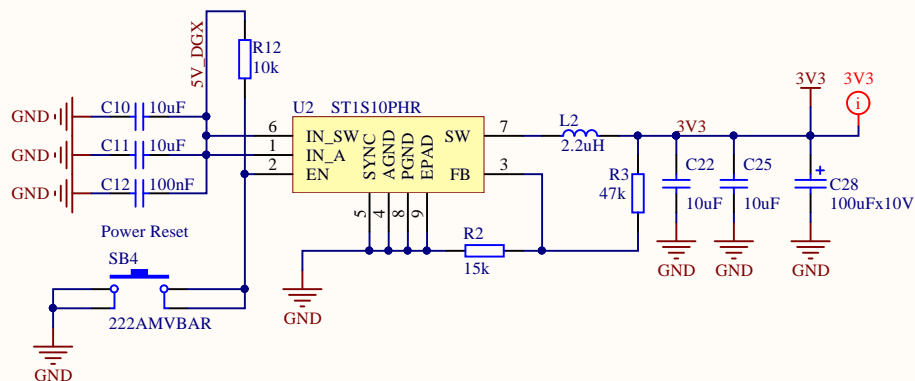
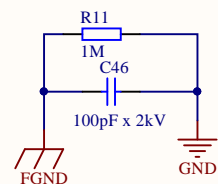
Project: AA-DGX		
Title: CPLD.SchDoc		Variant: [No Variations]
Engineer: Sergej Bakhmach	<div>tb</div>	
Revision: 01		
Size: A4		
Sheet: 1 of 7		
Company: Those Boards		

A



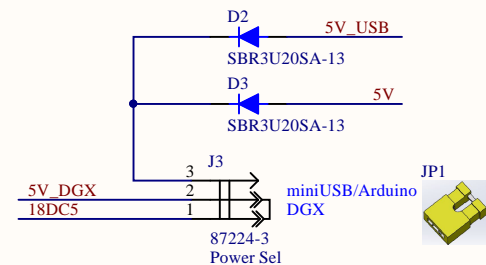
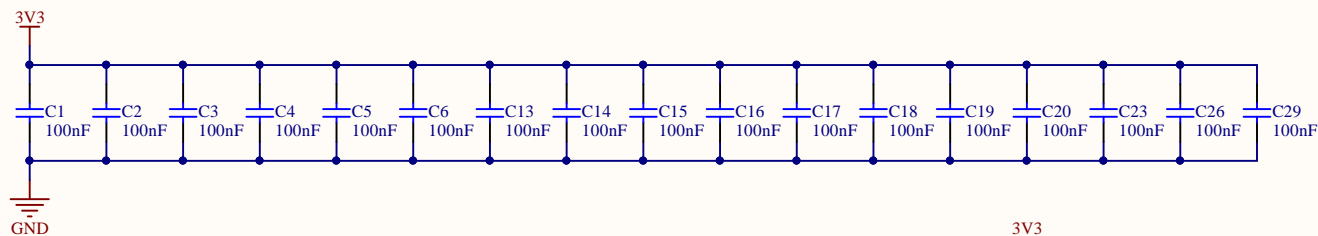
A

B



B

C



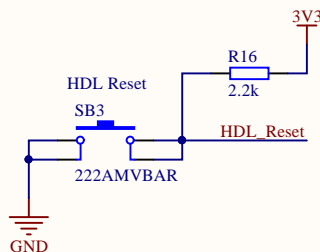
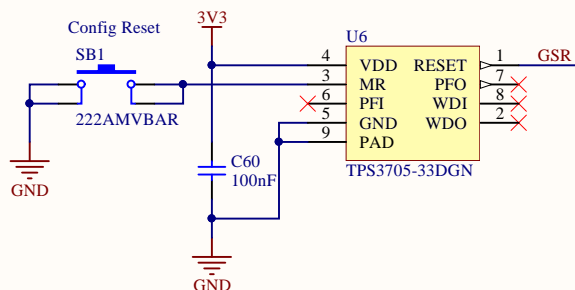
C

Jumper 1st pin marked by white dot

18DC5-5V_DGX (J3 1-2) supply round/screw connectors up-to 18 volts through internal DGX DC-DC level regulator producing 5V output

5V_USB/5V(in)-5V_DGX (J3 2-3) direct supply 5V for all DGX purposes

D



Project: AA-DGX		
Title: CPLD-Power.SchDoc		Variant: [No Variations]
Engineer: Sergej Bakhmach	Revision: 01	
Size: A4	Sheet: 2 of 7	
Company: Those Boards		tb

tb

D

A

B

C

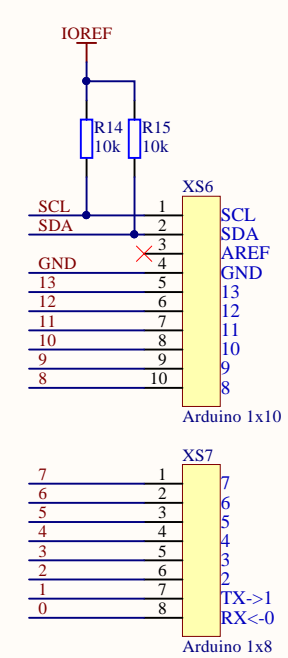
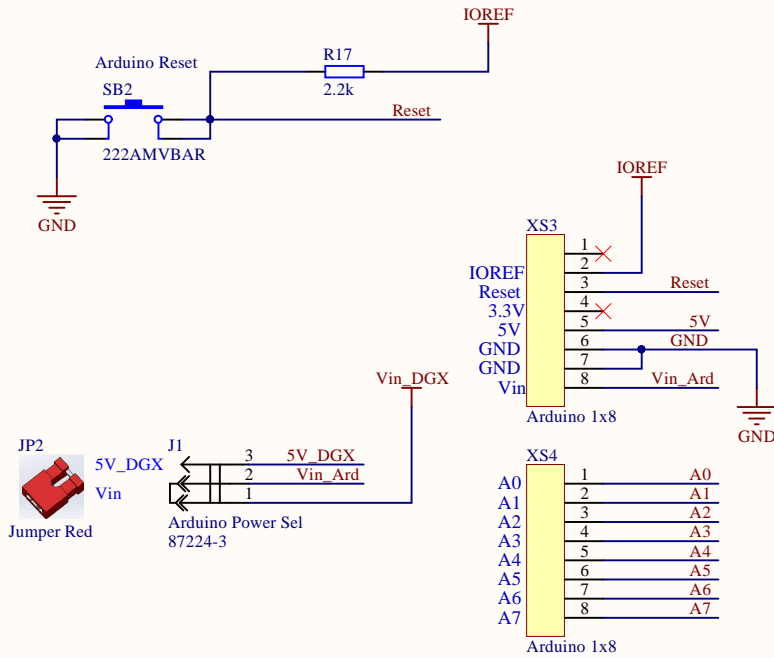
D

A

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D



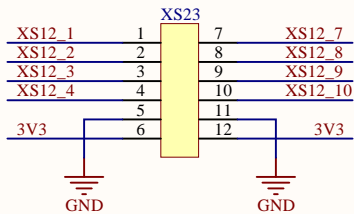
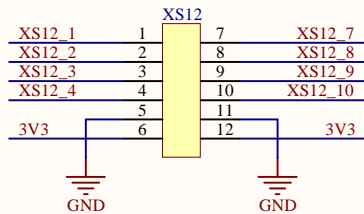
Jumper 1st pin marked by white dot

VIN (J1 1-2) and VIN Arduino will become equal VIN DGX from round or screw connector supply (before DC-DC 5V regulator).

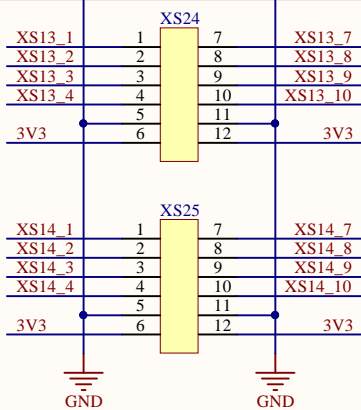
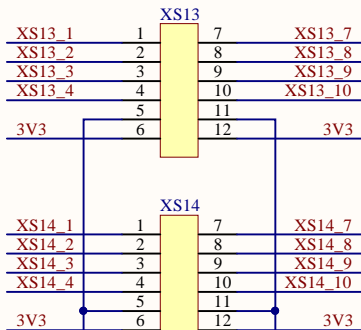
!Warning! this mode will kill 5V or less based Arduino boards!

5V (J1 2-3) and VIN Arduino will become equal DGX 5V DC-DC supply

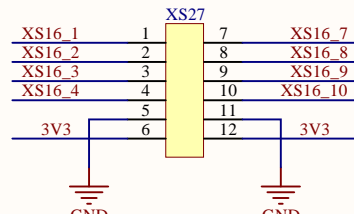
Project: AA-DGX		
Title: Arduino Connectors.SchDoc		Variant: [No Variations]
Engineer: Sergej Bakhmach	Revision: 01	tb
Size: A4	Sheet: 3 of 7	
Company: Those Boards		



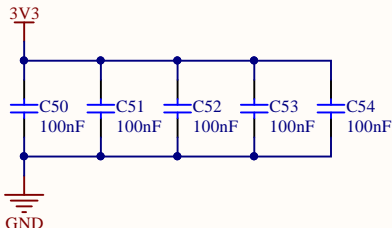
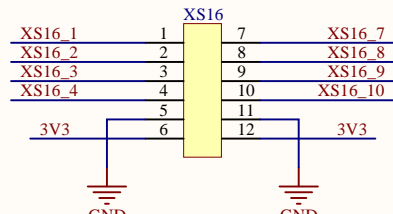
Extra Pads. Placed under PMOD-Connectors.




Extra Pads. Placed under PMOD-Connectors.



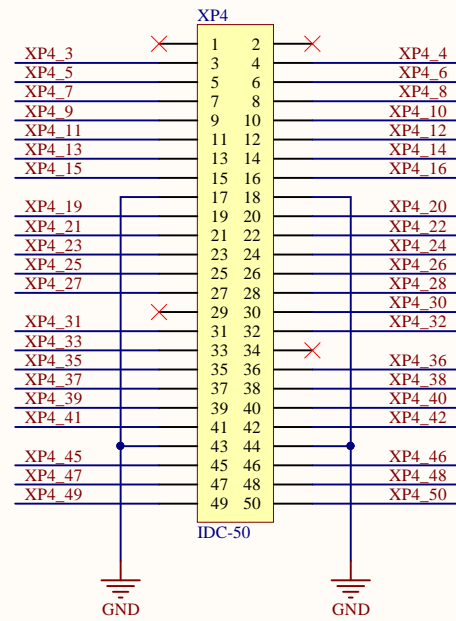
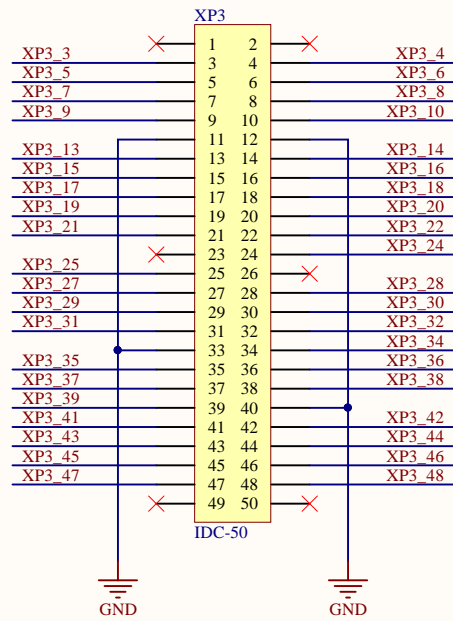
Extra Pads. Placed under PMOD-Connectors.



Project: AA-DGX		
Title: PMOD Connectors.SchDoc		Variant: [No Variations]
Engineer: Sergej Bakhmach		
Revision: 01		
Size: A4		
Sheet: 4 of 7		
Company: Those Boards		

A

A



XP3_44_P
XP3_44_N

XP3_44

XP3_42_P
XP3_42_N

XP3_42

XP4_31_P
XP4_31_N

XP4_31

XP4_33_P
XP4_33_N

XP4_33

XP4_35_P
XP4_35_N

XP4_35

XP4_37_P
XP4_37_N

XP4_37

XP4_39_P
XP4_39_N

XP4_39

XP4_41_P
XP4_41_N

XP4_41

Project: AA-DGX

Title: IO Connectors.SchDoc

Variant:
[No Variations]

Engineer: Sergej Bakhmach

Revision: 01

Size: A4

Sheet: 6 of 7

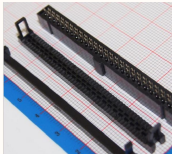
Company: Those Boards

tb

D

D

XS5



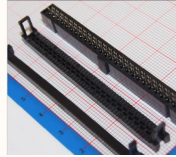
IDC-50

W1



Cable-ribbon 50 pin

XS8



IDC-50

▲ 50 pin ribbon cable key one side oriented for both

Project: AA-DGX		
Title: IO Connectors Mechanical.SchDoc		Variant: [No Variations]
Engineer: Sergej Bakhmach	Revision: 01	tb
Size: A4	Sheet: 7 of 7	
Company: Those Boards		