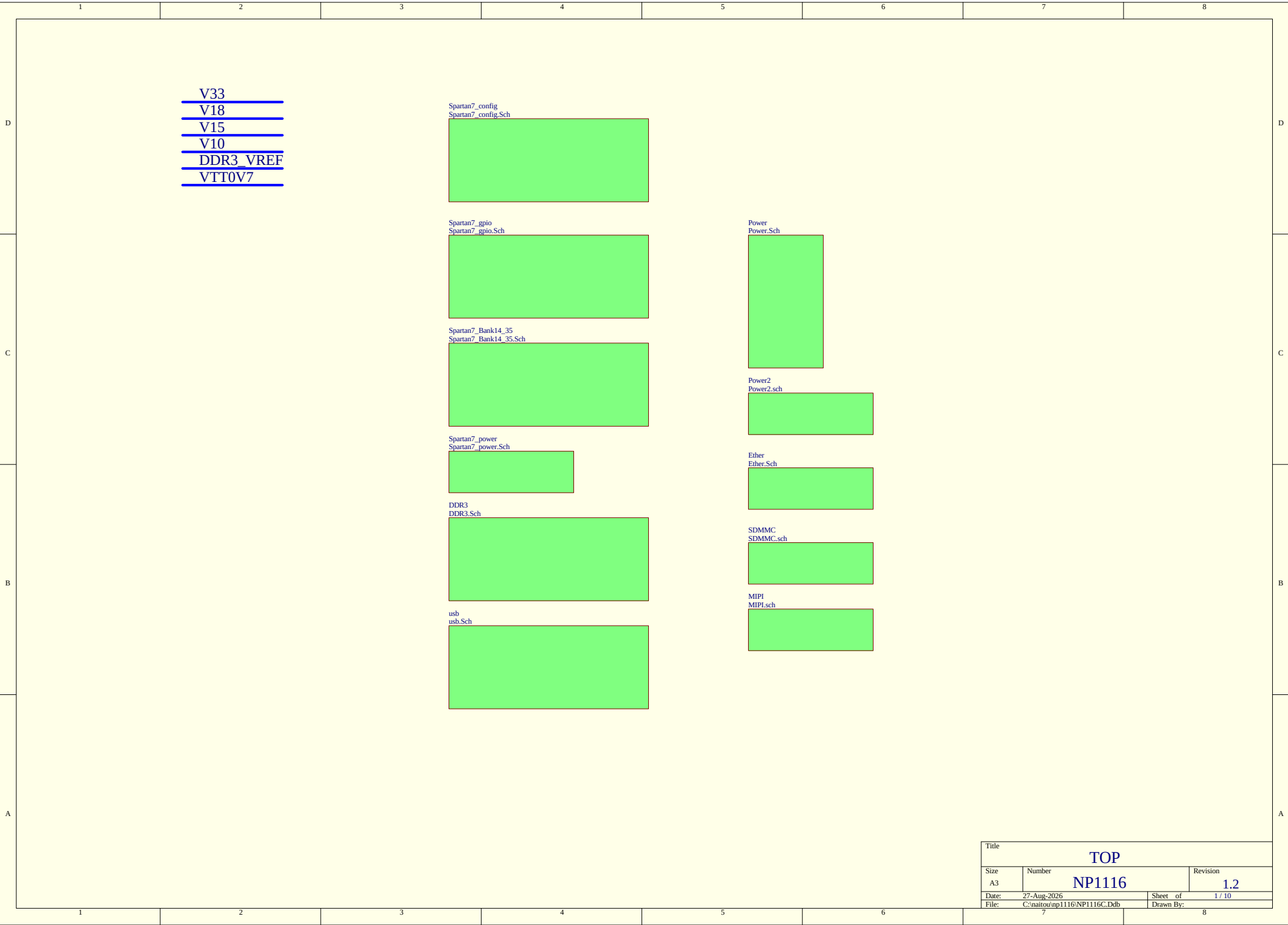
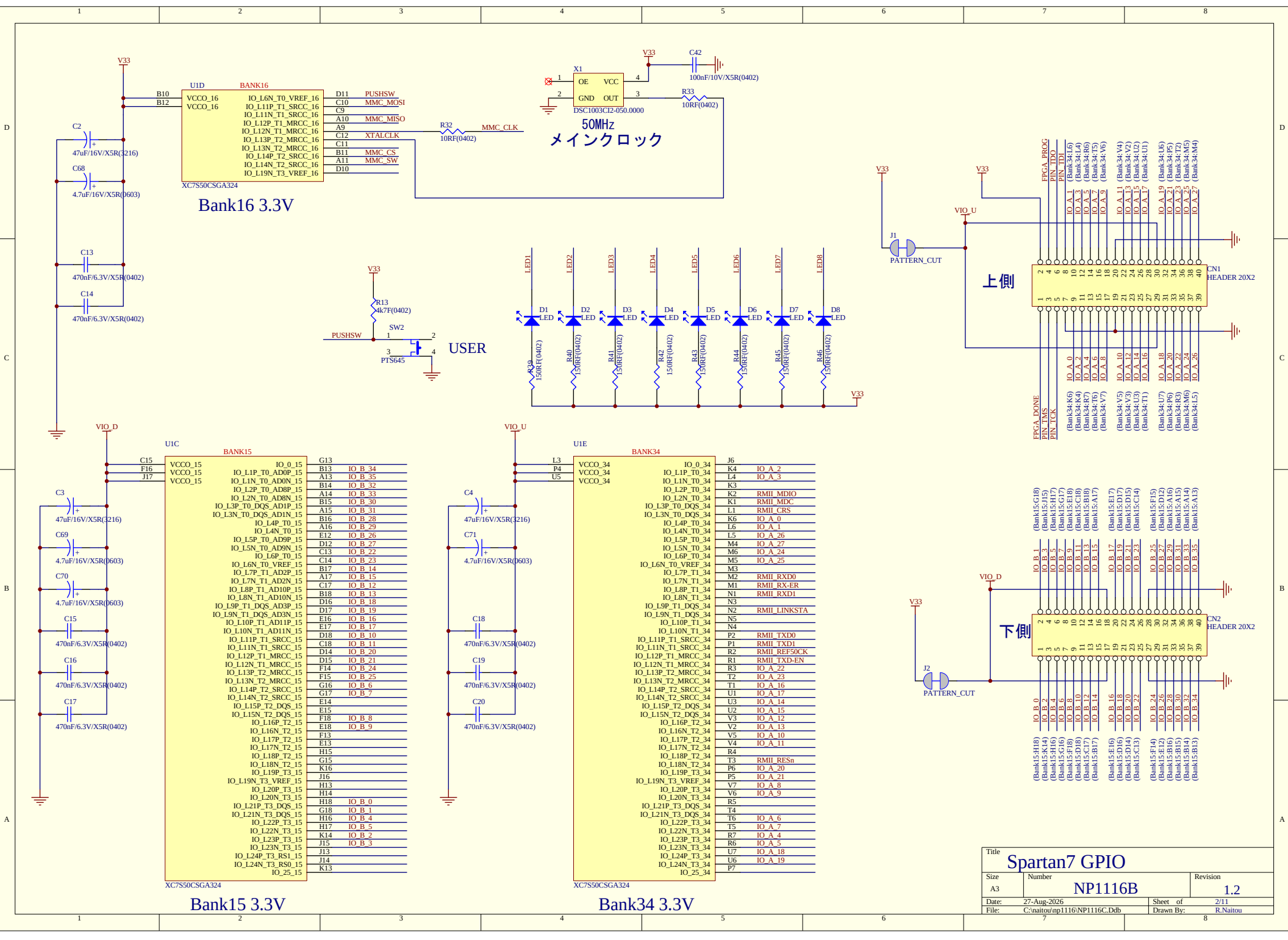






D

C

B

A

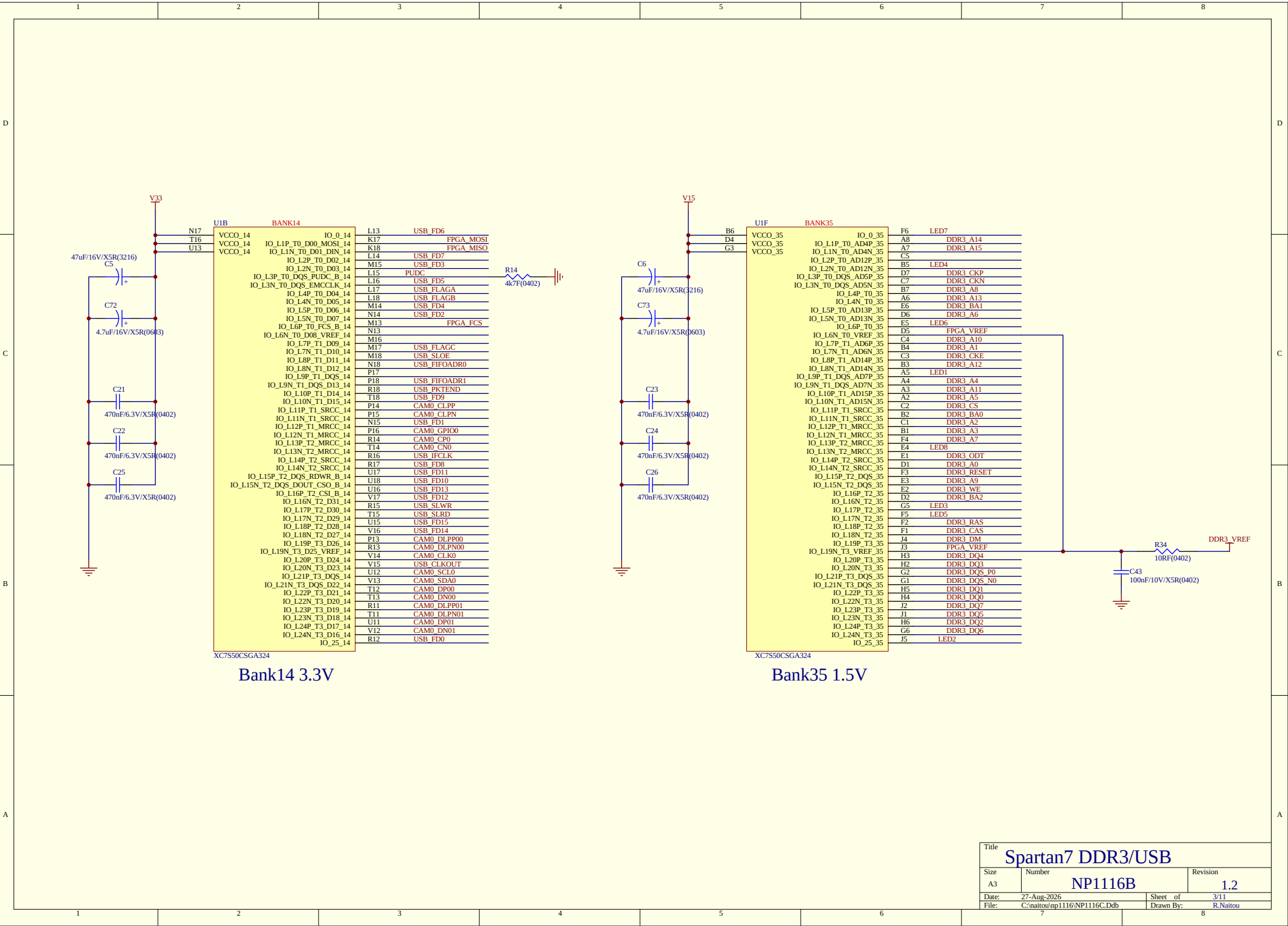
D

C

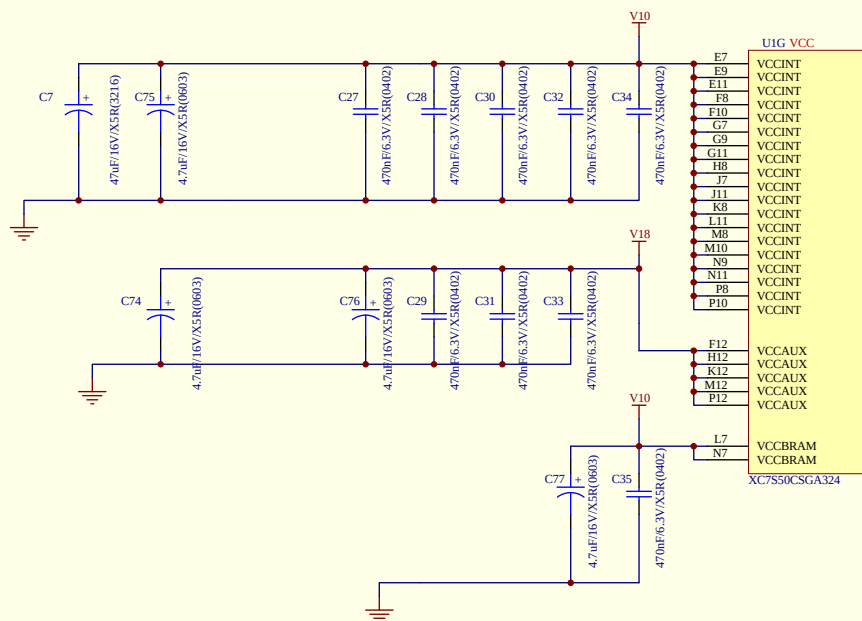
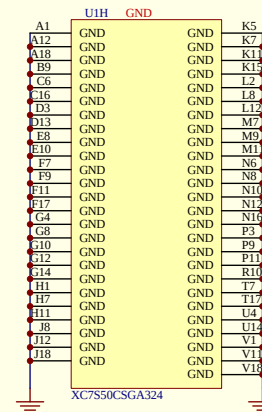
B

A

Title			
Spartan7 GPIO			
Size	Number	Revision	
A3	NP1116B	1.2	
Date:	27-Aug-2026	Sheet of	2/11
File:	C:\naitou\np1116\NP1116C.Ddb	Drawn By:	R.Naitou



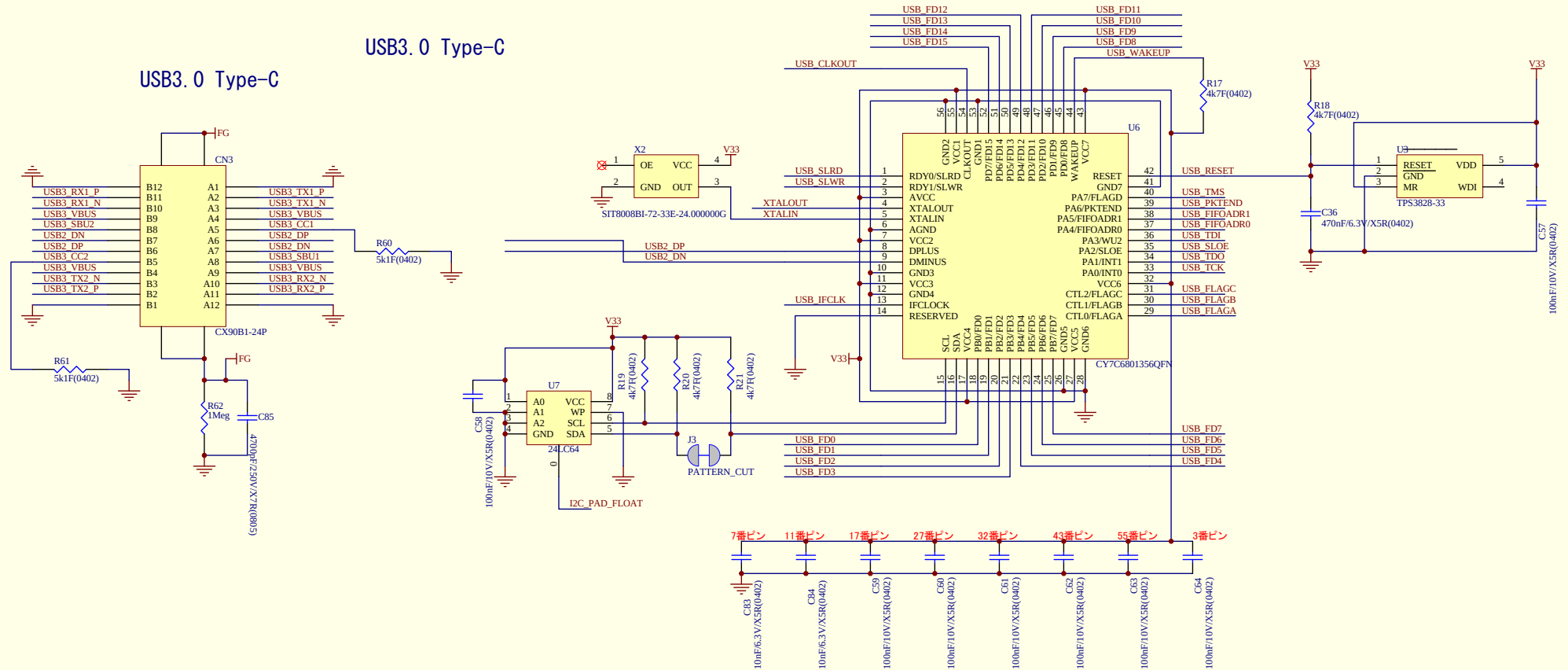
Title			
Spartan7 DDR3/USB			
Size	Number	Revision	
A3	NP1116B	1.2	
Date:	27-Aug-2026	Sheet of	3/11
File:	C:\naitou\mp1116\NP1116C.Ddb	Drawn By:	R.Naitou



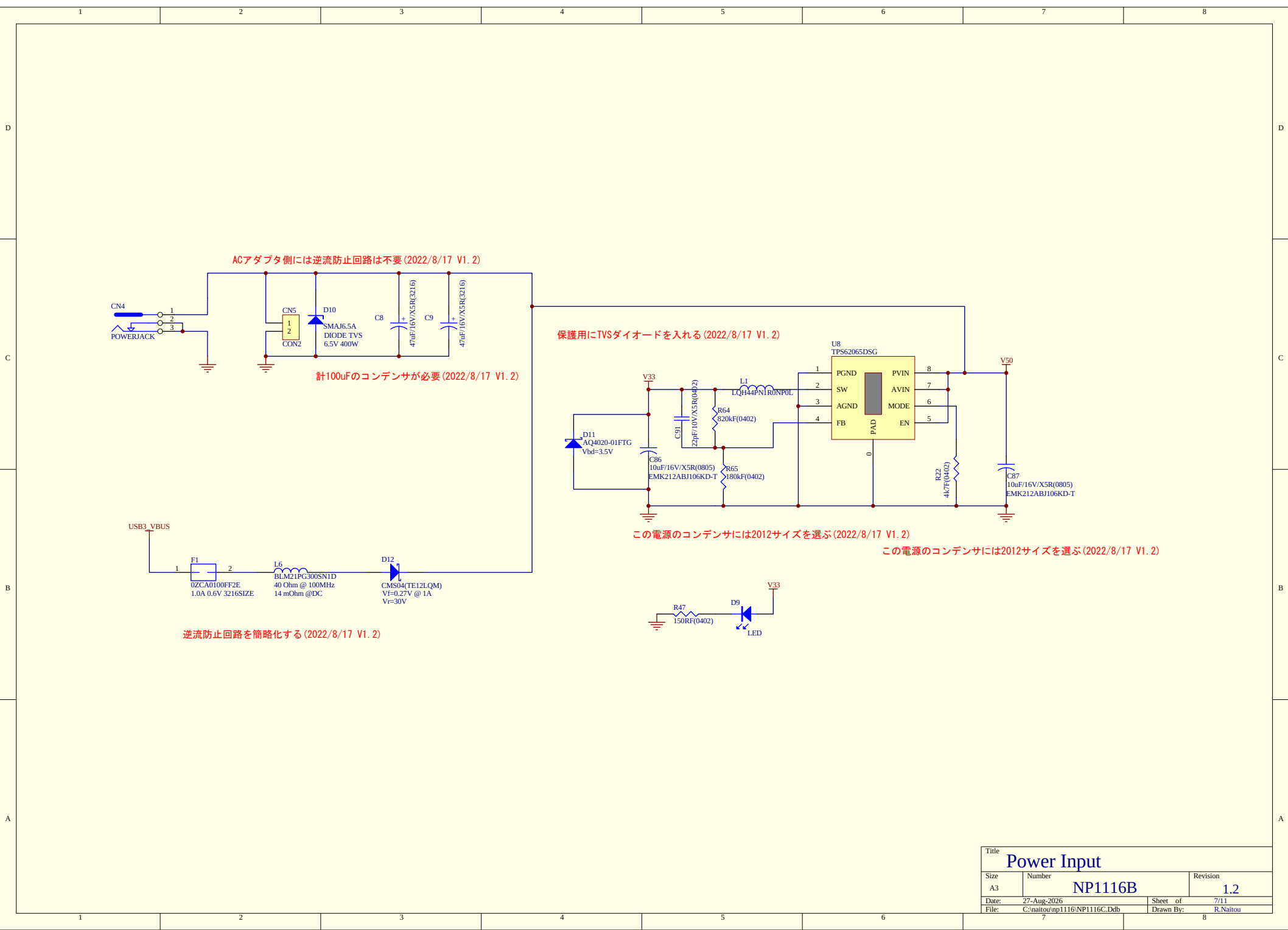
Title		
Spartan7 Power		
Size	Number	Revision
A3	NP1116B	1.2
Date:	27-Aug-2026	Sheet of 4/11
File:	C:\naitou\np1116\NP1116C.Ddb	Drawn By: R.Naitou

USB3.0 Type-C

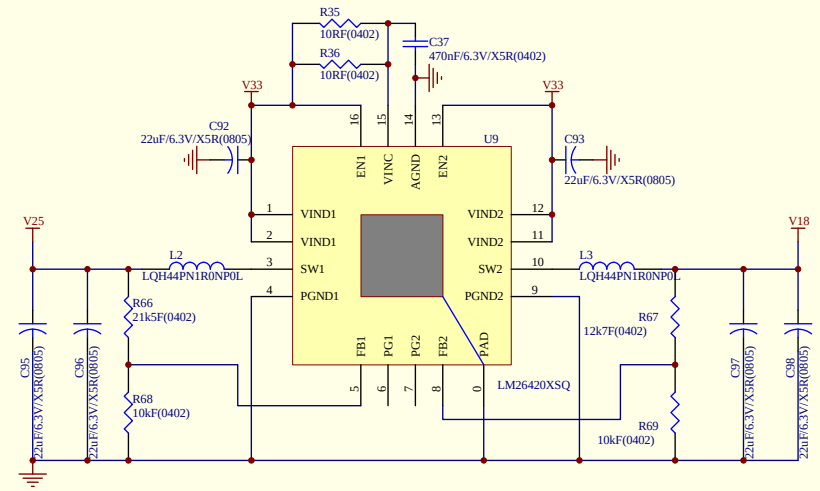
USB3.0 Type-C



Title		
USB Interface		
Size	Number	Revision
A3	NP1116B	1.2
Date:	27-Aug-2026	Sheet of 6/11
File:	C:\naitou\mp1116\NP1116C.Ddb	Drawn By: R.Naitou

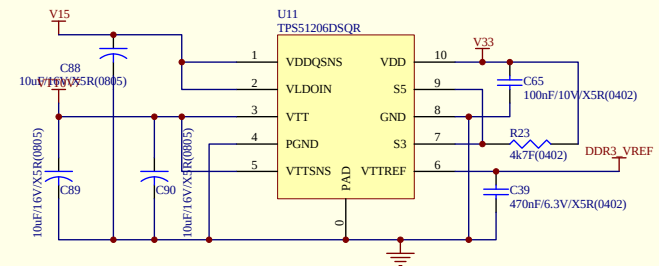


Title		
Power Input		
Size	Number	Revision
A3	NP1116B	1.2
Date:	27-Aug-2026	Sheet of 7/11
File:	C:\naitou\np1116\NP1116C.Ddb	Drawn By: R.Naitou
		8

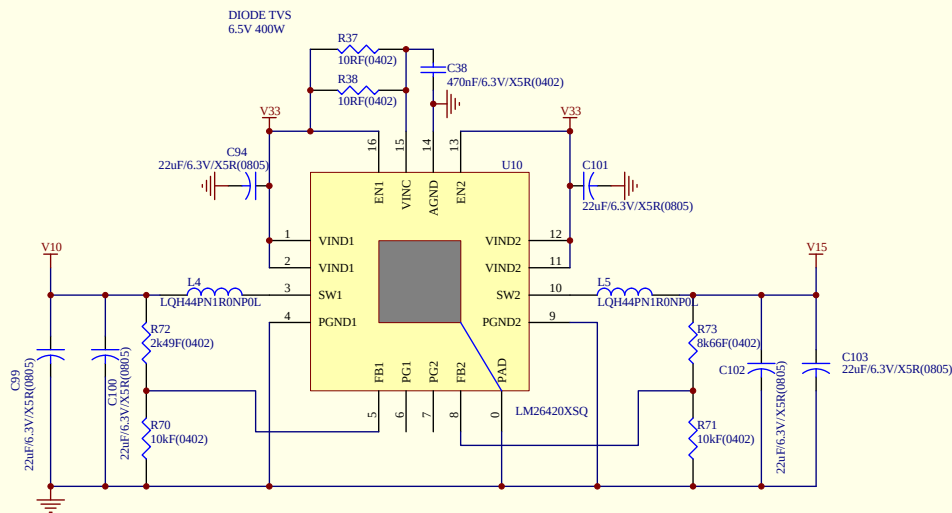


3.3V→2.5V
3.3V→1.8V (FPGA AUX電源)

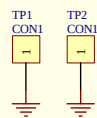
この電源のコンデンサには2012サイズを選ぶ(2022/8/17 V1.2)



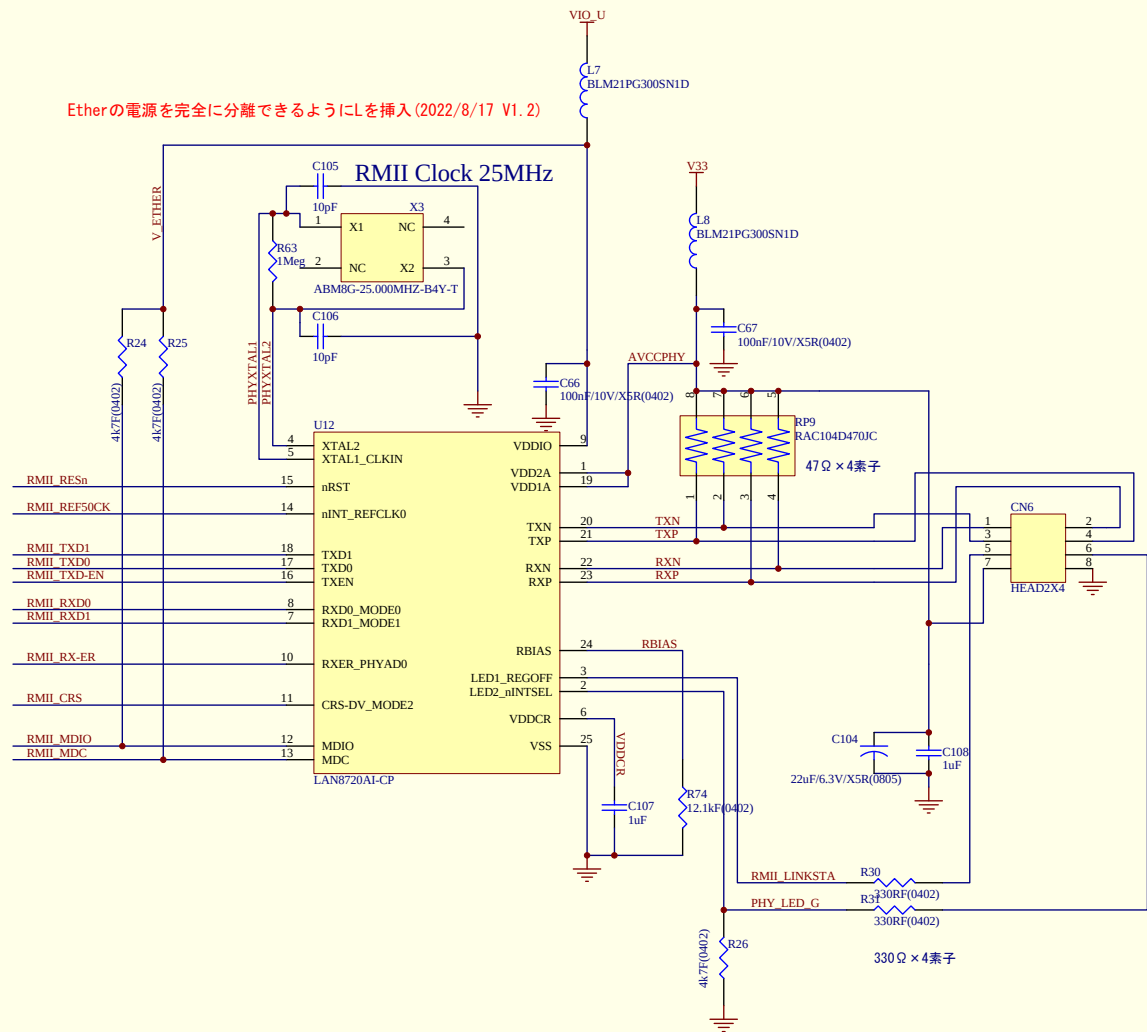
3.3V/1.5V→0.75V (DDR3 終端)
3.3V/1.5V→0.9V (DDR3 VREF)



3.3V→1.5V (DDR3電源)
3.3V→1.0V (FPGA電源)

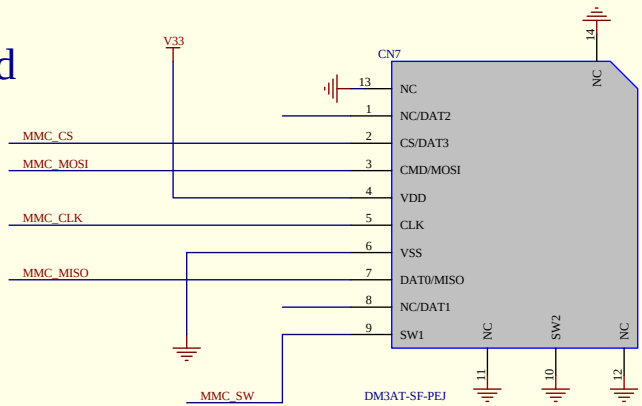


Title System Power		
Size A3	Number NP1116B	Revision 1.2
Date: 27-Aug-2026	Sheet of 8/11	Drawn By: R.Naitou
File: C:\naitou\np1116\NP1116C.Ddb		

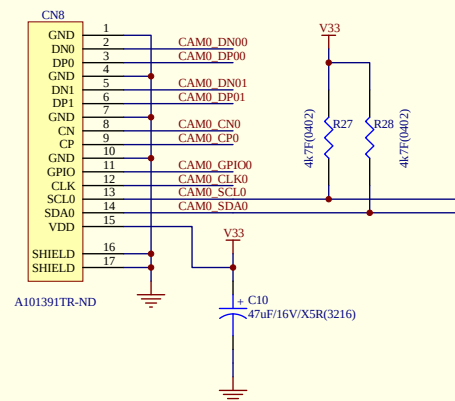
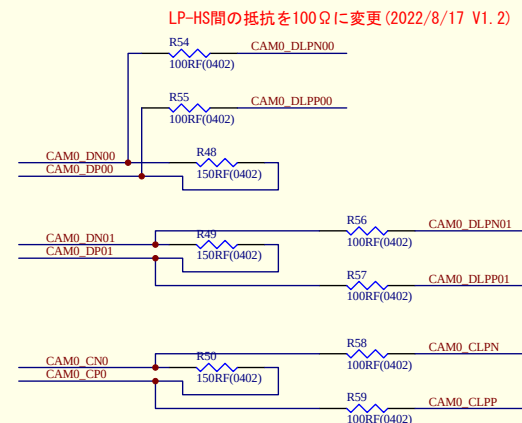


Title		
Ethernet PHY		
Size	Number	Revision
A3	NP1116B	1.2
Date:	27-Aug-2026	Sheet of 9/11
File:	C:\naitou\np1116\NP1116C.Ddb	Drawn By: R.Naitou

SD-Card



Title			
SD/MMC Card Slot			
Size	Number	Revision	
A3	NP1116B	1.2	
Date:	27-Aug-2026	Sheet of	10/11
File:	C:\naitou\np1116\NP1116C.Ddb	Drawn By:	R.Naitou



Title		MIPI CSI Interface	
Size	Number	Revision	
A3	NP1116B	1.2	
Date:	27-Aug-2026	Sheet of	11/11
File:	C:\naitou\np1116\NP1116C.Ddb	Drawn By:	R.Naitou