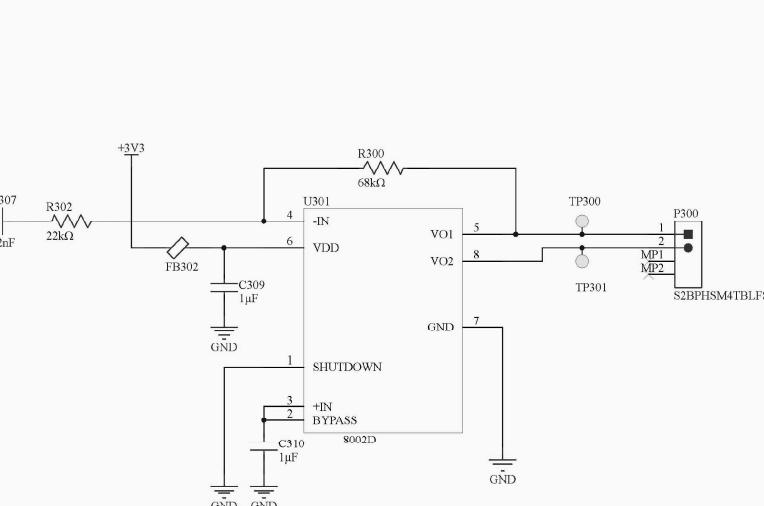
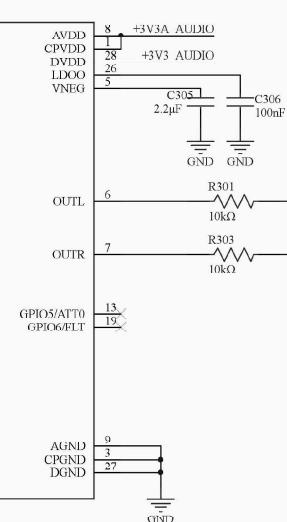
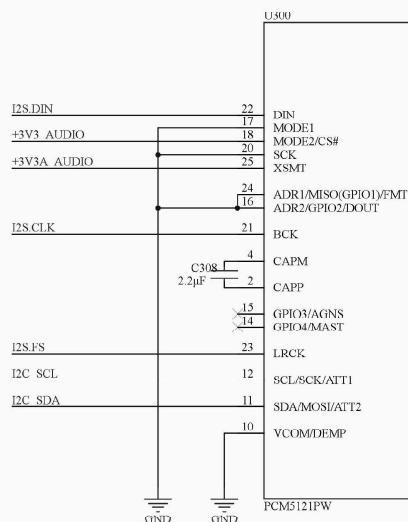
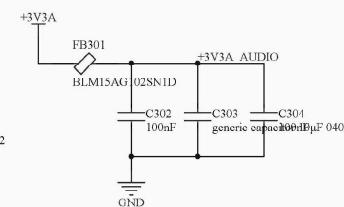
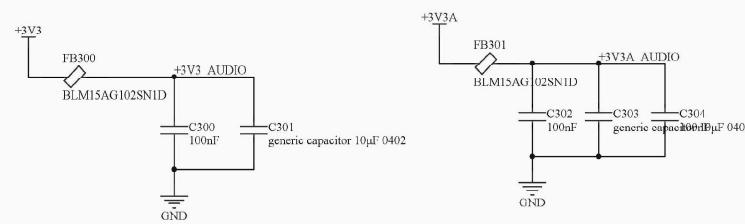
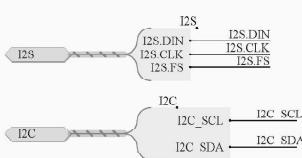


Title E45_Hem_G_M		BMC
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 2	of 24
File: D:\VK\BMC\SehDoe	Drawn By:	

A

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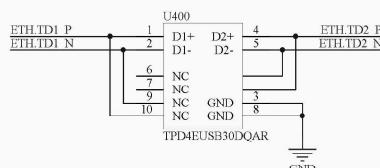
Title: E42_Hem_G_M		
Size	Number	Revision
A3		Rev D
Date: 6/10/2025	Sheet 3 of 24	
File: D:\AK\Audio.SchDoc	Drawn By:	

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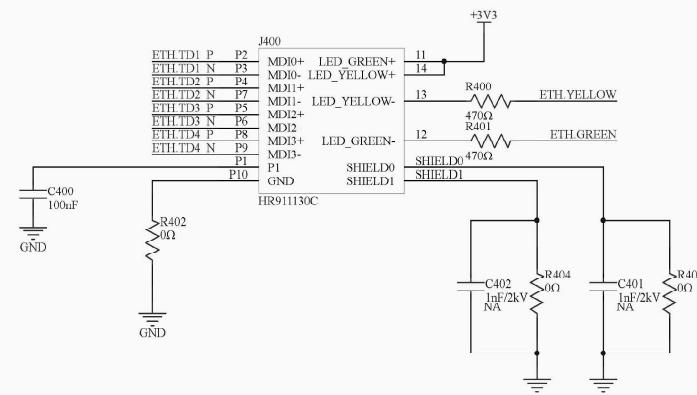
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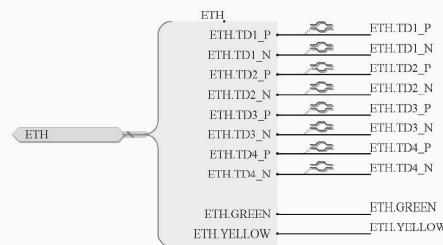
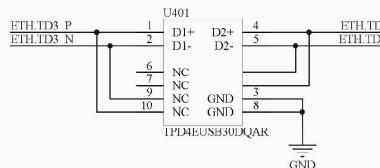
B

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Title: E42_Hem_G_M Ethernet		
Size	Number	Revision
A3		Rev D
Date: 6/10/2025	Sheet 4 of 24	Drawn By:
File: D:\AK\Ethernet.SchDoc		

1	2	3	4	5	6	7	8
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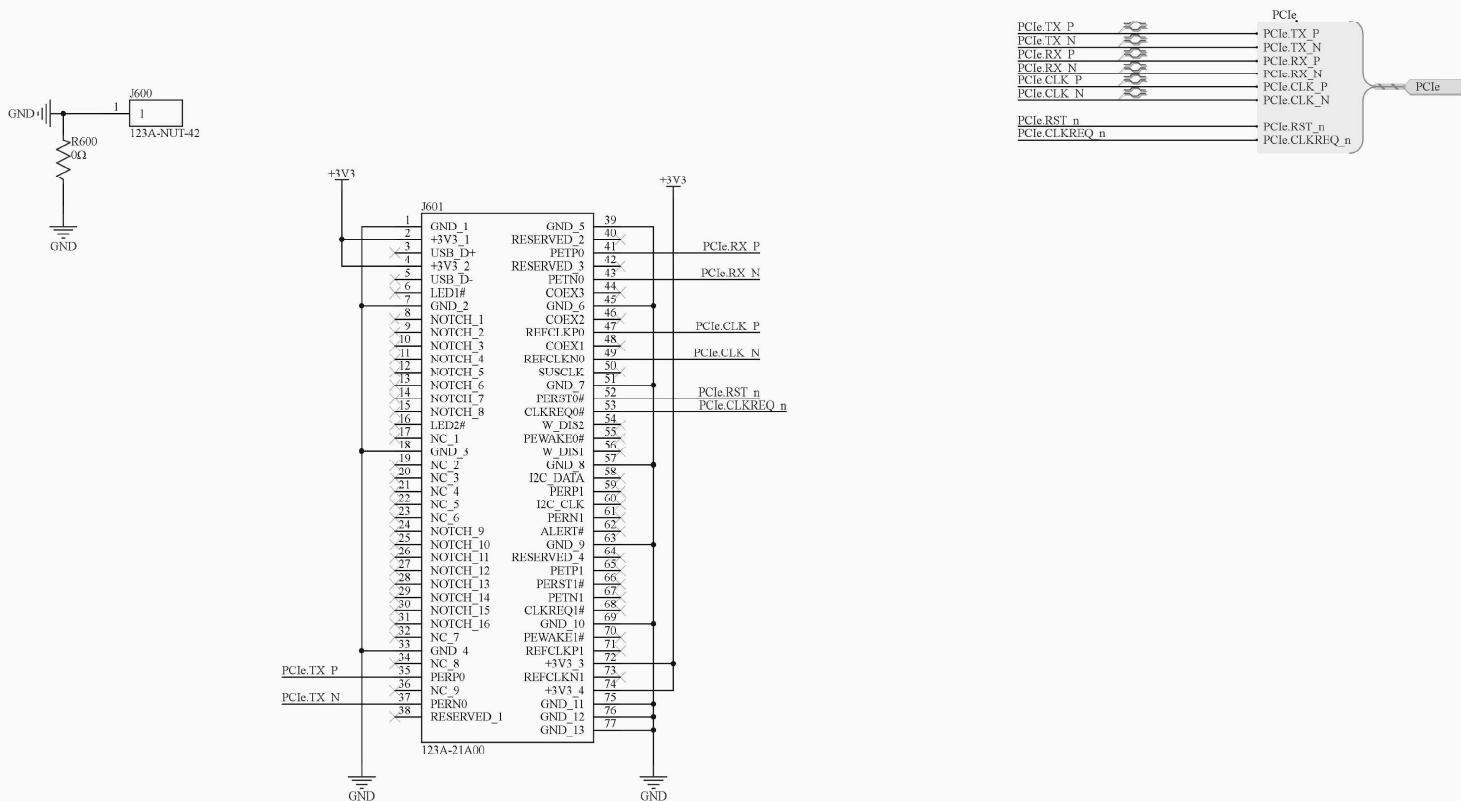
D

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Title E45_Hem_G_M			HDMI
Size A3	Number	Revision Rev D	
Date: 6/10/2025	Sheet 5 of 24		
File: D:\AK\HDMI.SchDoc	Drawn By:		

1	2	3	4	5	6	7	8
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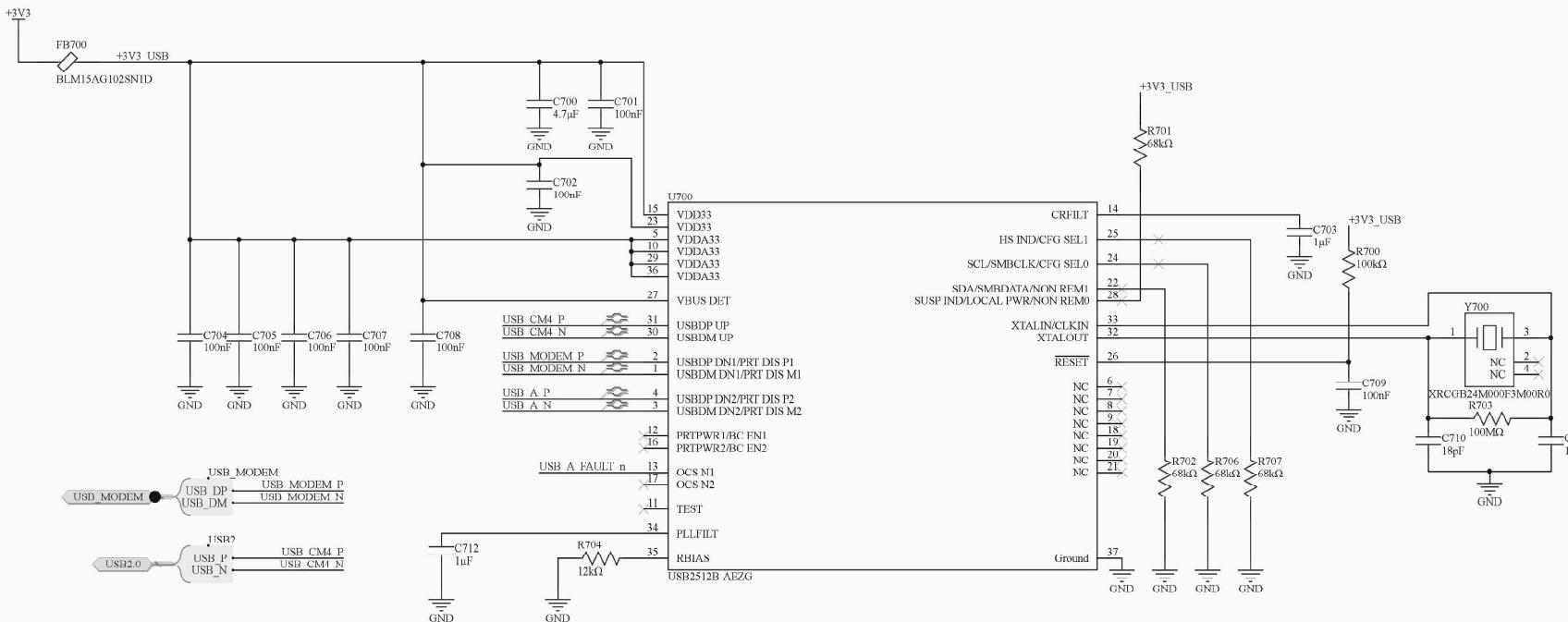
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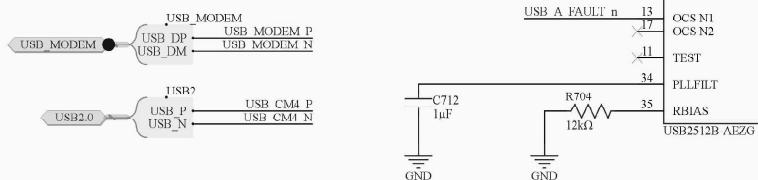
Title		
E42_Hem_G_M	PCIe	
Size	Number	Revision
A3		Rev D
Date:	6/10/2025	Sheet 6 of 24
File:	D:\AK\4PCIe.SchDoc	Drawn By:

1 2 3 4 5 6 7 8

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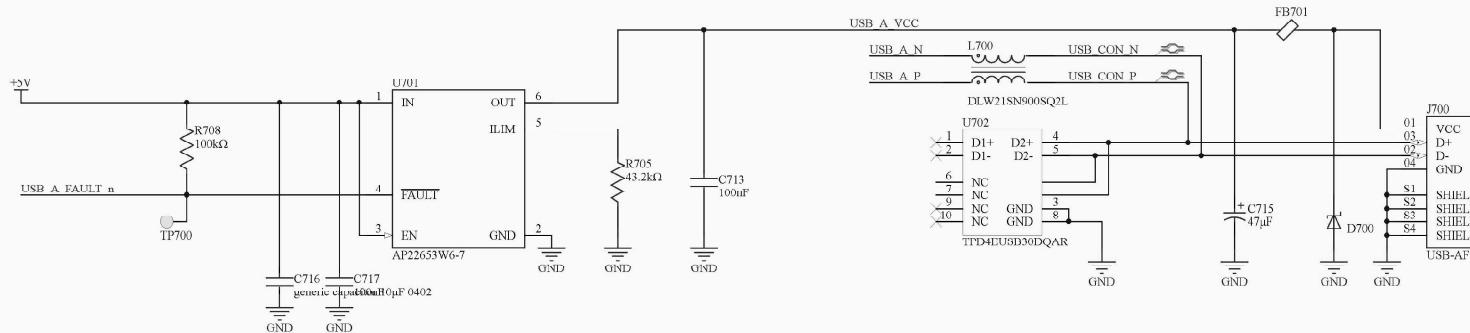
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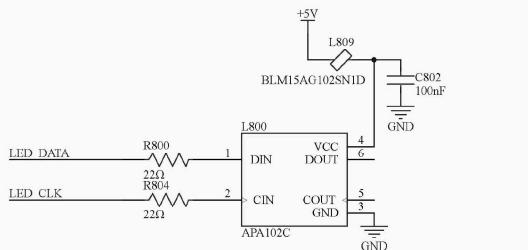
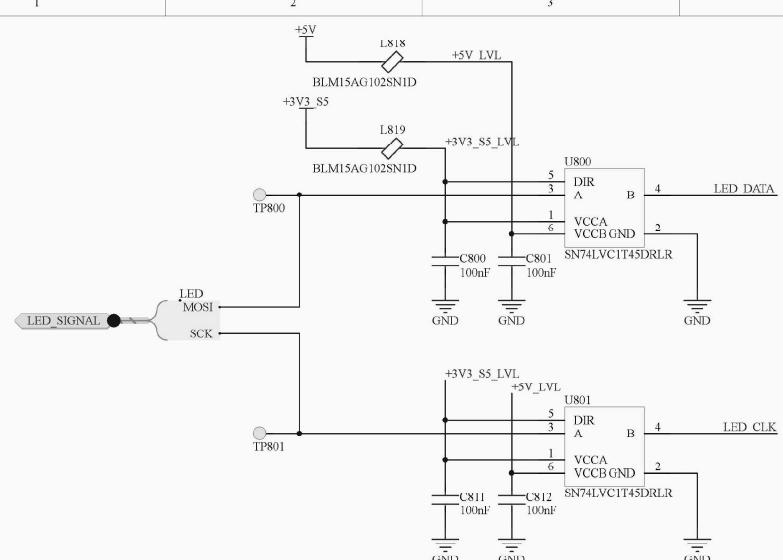


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Title: E42_Hem_G_M		
Size: A3	Number:	Revision: Rev D
Date: 6/10/2025	Sheet 7 of 24	Drawn By:
File: D:\AK\U\USB_A.SchDoc		

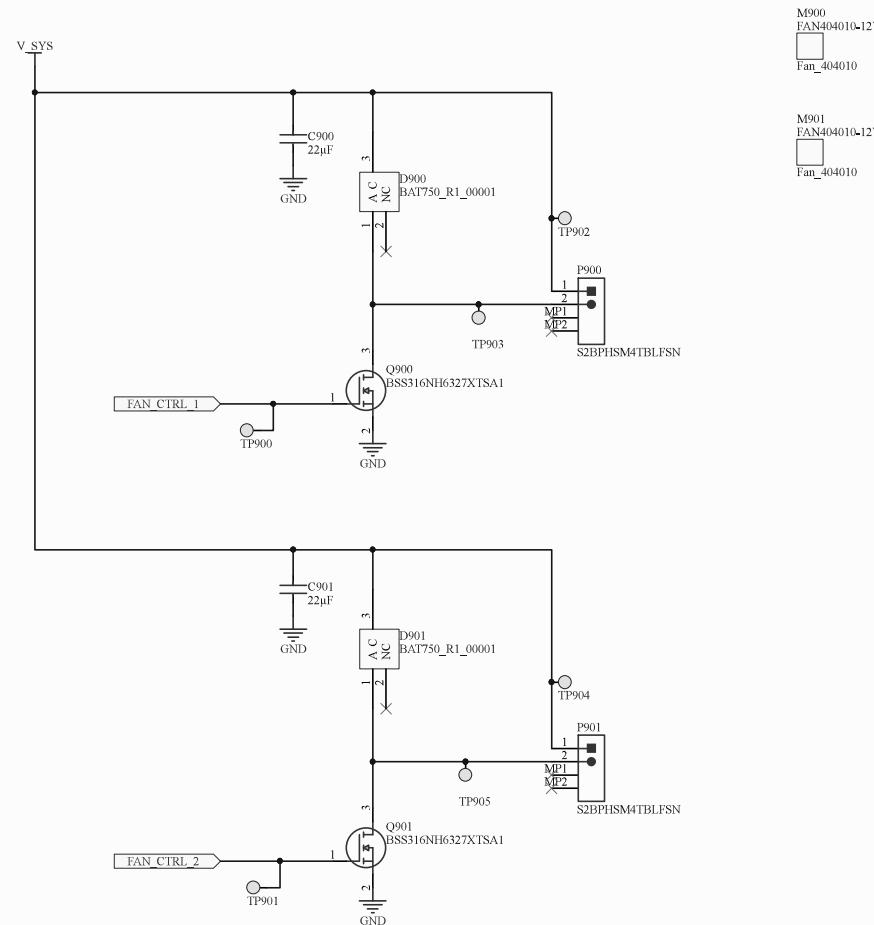
1 2 3 4 5 6 7 8



Title B45_Hem_G_M		LEDs		
Size A3	Number			Revision Rev D
Date:	6/10/2025	Sheet	8	of 24
File:	D:\AKV\LEDs.SchDoc	Drawn By:		

A

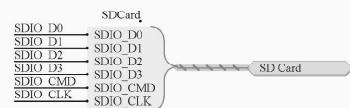
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FAN Control		
Size	Number	Revision
A3		Rev D
Date:	6/10/2025	Sheet 9 of 24
File:	D:\AKU\FAN Control.SchDoc	Drawn By:

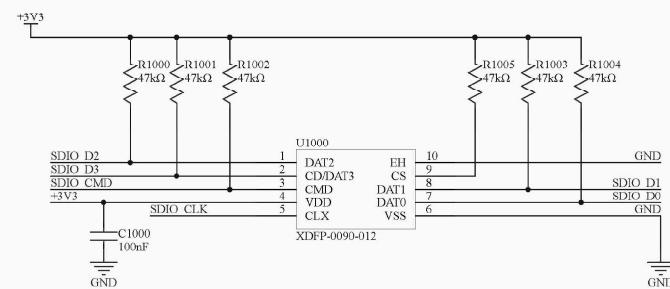
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SD Card		
Size	Number	Revision
A3		Rev D
Date:	6/10/2025	Sheet 10 of 24
File:	D:\AK\SD Card.SchDoc	Drawn By:

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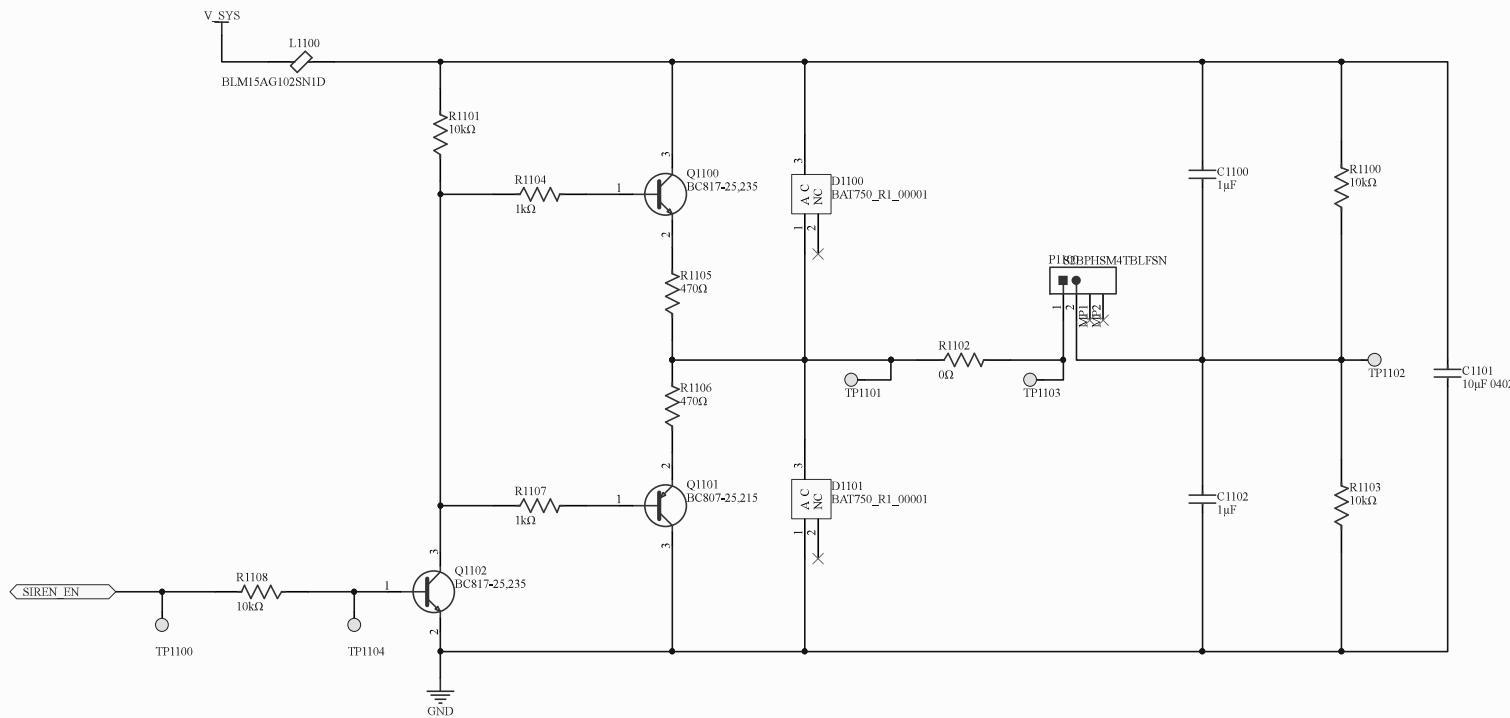
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Siren		
Size	Number	Revision
A3		Rev D
Date:	6/10/2025	Sheet 11 of 24
File:	D:\AKU\Siren.SchDoc	Drawn By:

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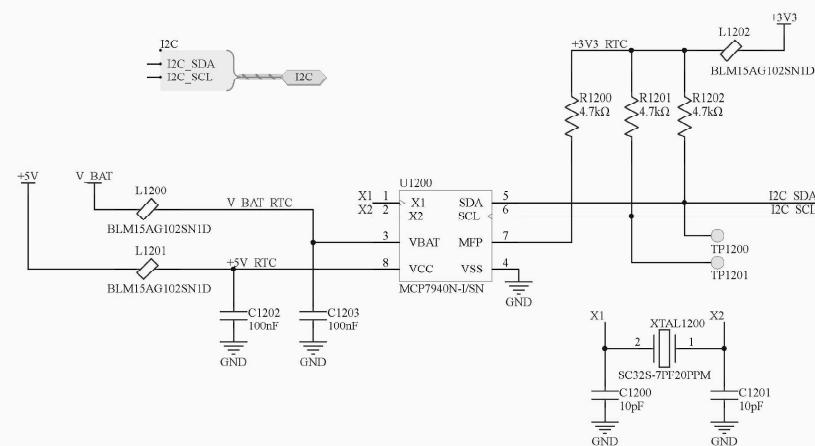
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Title E42_Hem_G_M		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 12 of 24	
File: D:\AK\RTC.SchDoc	Drawn By:	

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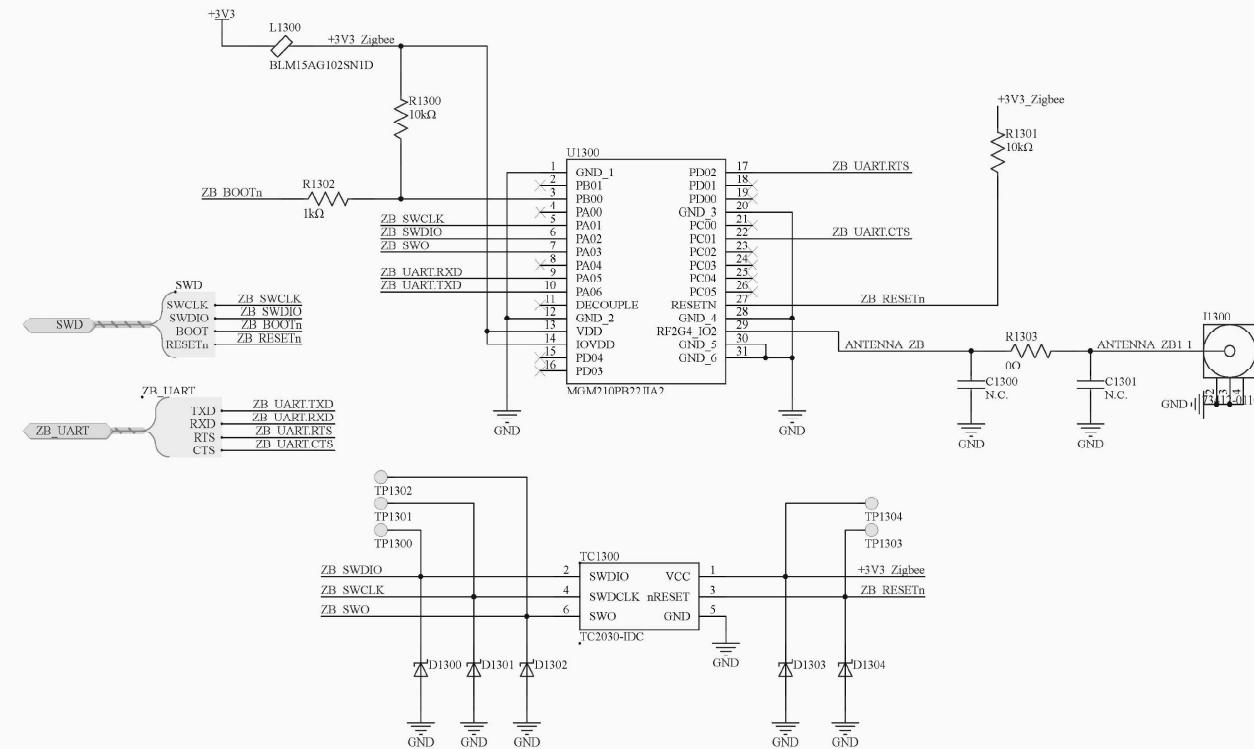
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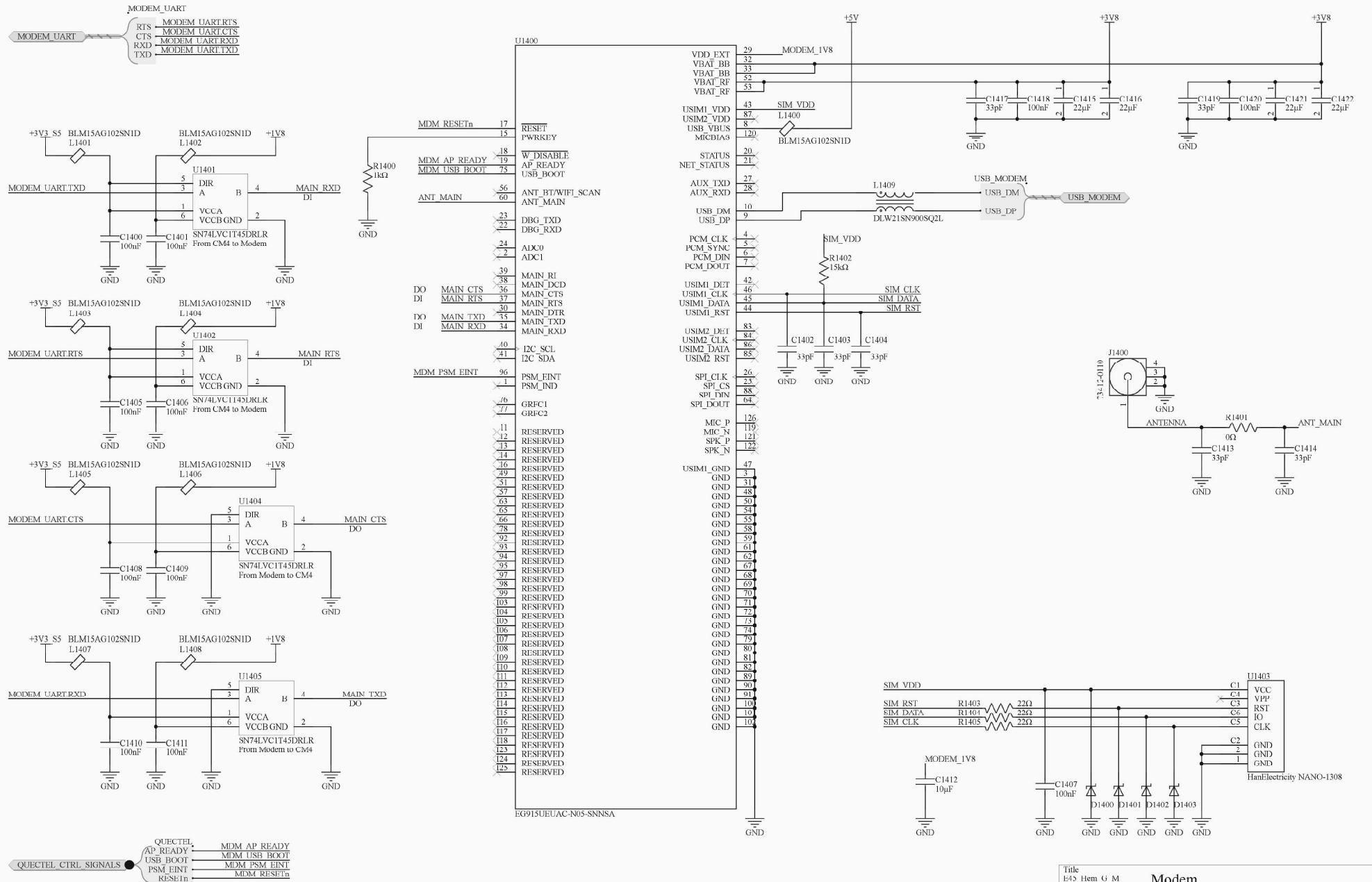
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Title E:\S_Hem_G_M	Zigbee	
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 13 of	24
File: D:\V\Zigbee.SchDoe	Drawn By:	

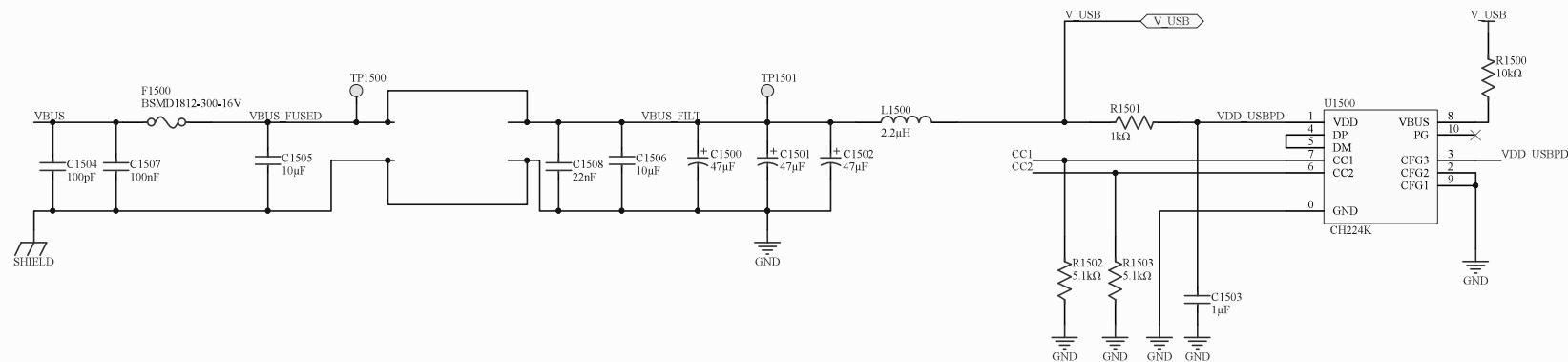
1 2 3 4 5 6 7 8



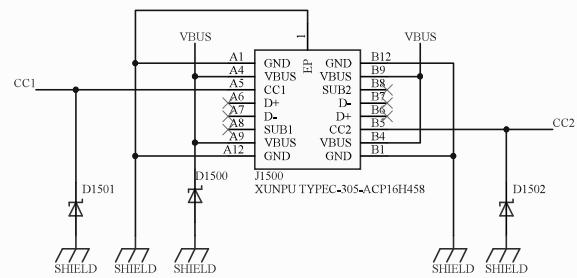
Title		Number	Revision
A3			Rev D
Date:	6/10/2025	Sheet	14 of 24
File:	D:\VK\Modem.SchDoc	Drawn By:	

1 2 3 4 5 6 7 8

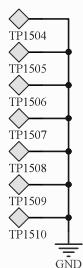
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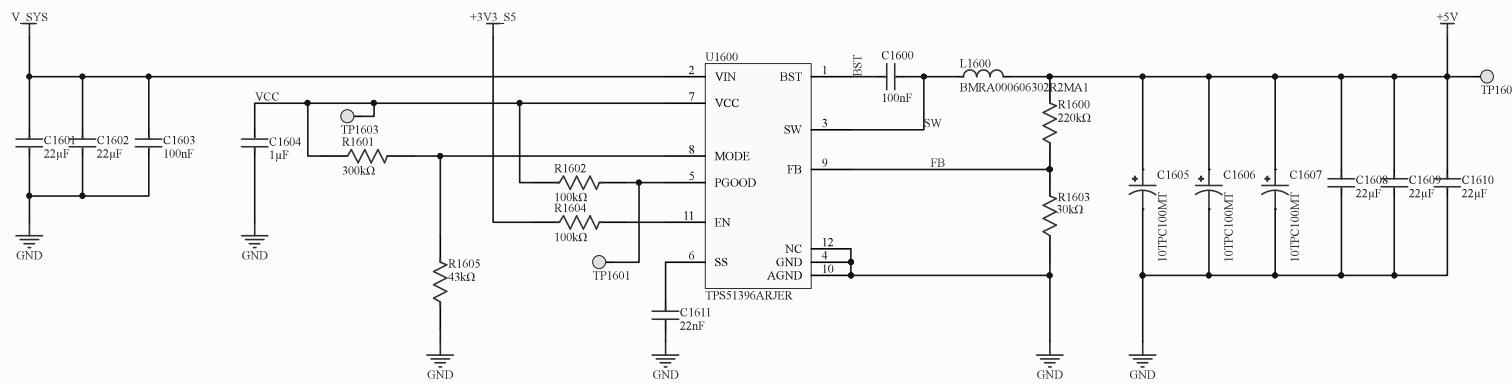


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Title E45_Hem_G_M			USB_PD	
Size A3	Number	Revision Rev D		
Date: 6/10/2025		Sheet	15 of	24
File: D:\AK\USB_PD.SchDoc		Drawn By:		

1 2 3 4 5 6 7 8



Title E45_Hem_G_M +5V - DC_DC		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 16 of 24	
File: D:\AKU\+5V-DC_DC.SchDoc	Drawn By:	

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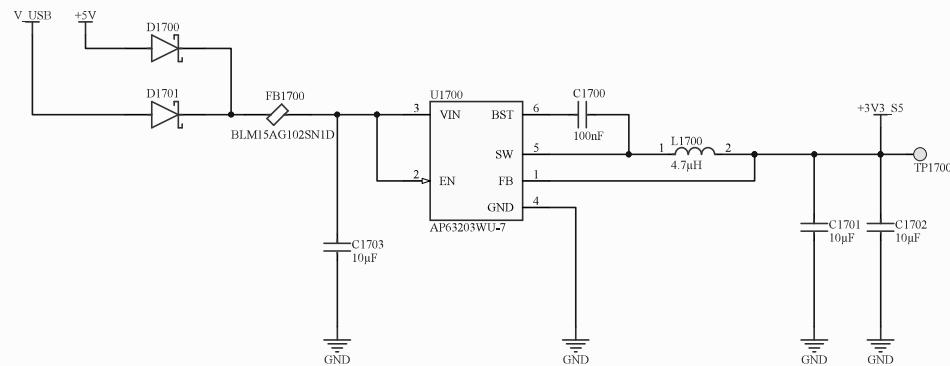
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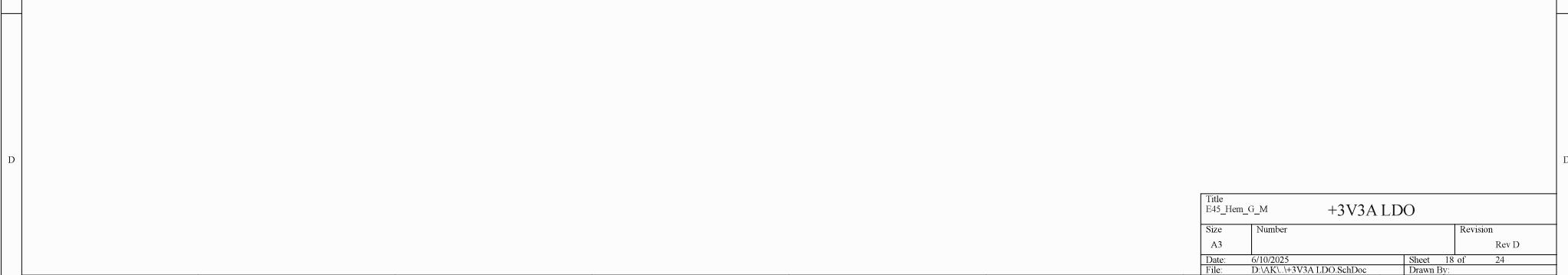
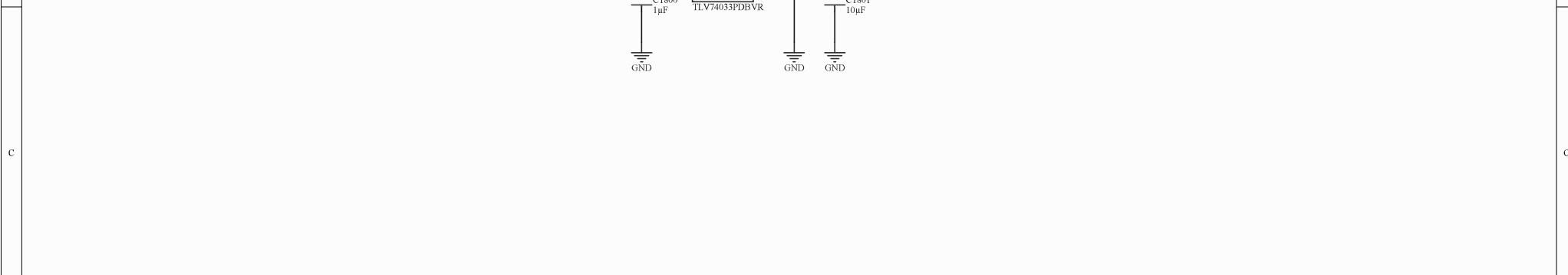
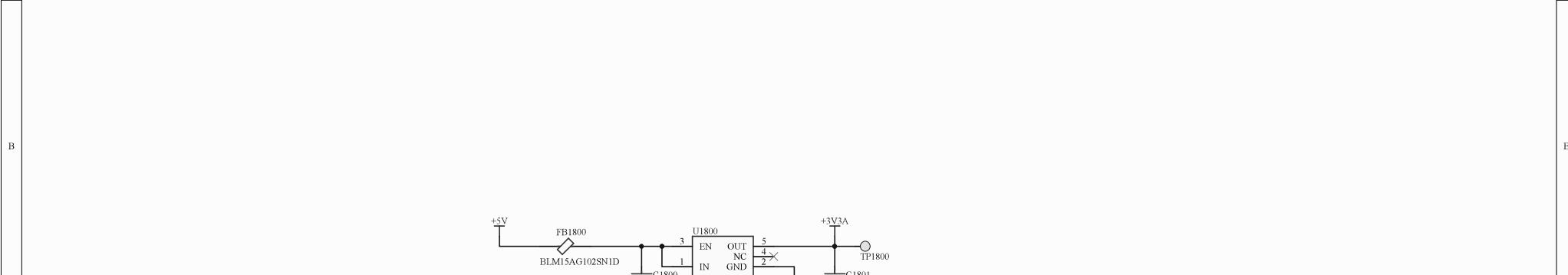
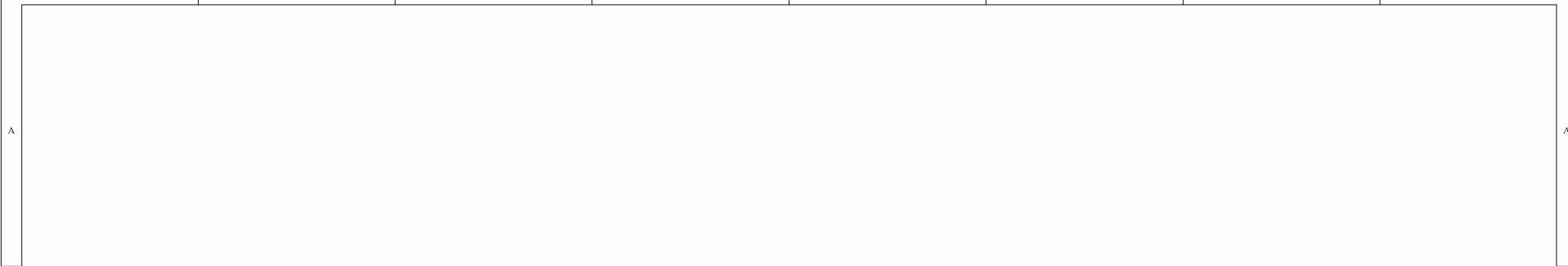
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Title E45_Hem_G_M		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 17 of 24	
File: D:\AKU\3V3_S5.SchDoc	Drawn By:	



Title E45_Hem_G_M +3V3A LDO		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 18 of 24	
File: D:\AKU\+3V3A LDO.SchDoc	Drawn By:	

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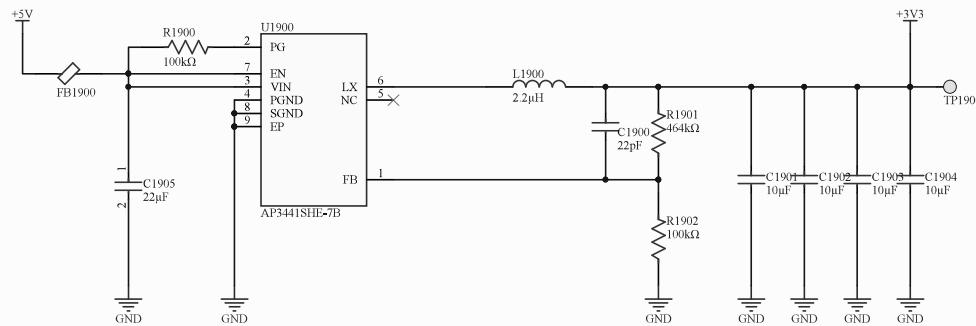
B

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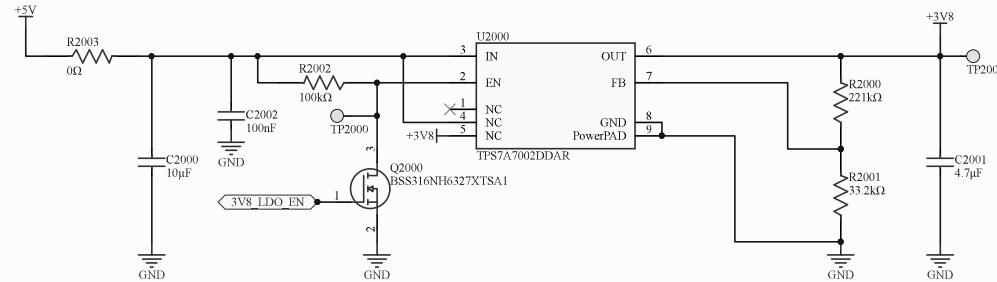
Title E45_Hem_G_M +3V3 - DC/DC		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 19 of 24	
File: D:\AKU\+3V3-DC_DC.SchDoc	Drawn By:	

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Title E45_Hem_G_M +3V8 LDO		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 20 of 24	
File: D:\AKU\+3V8 LDO.SchDoc	Drawn By:	

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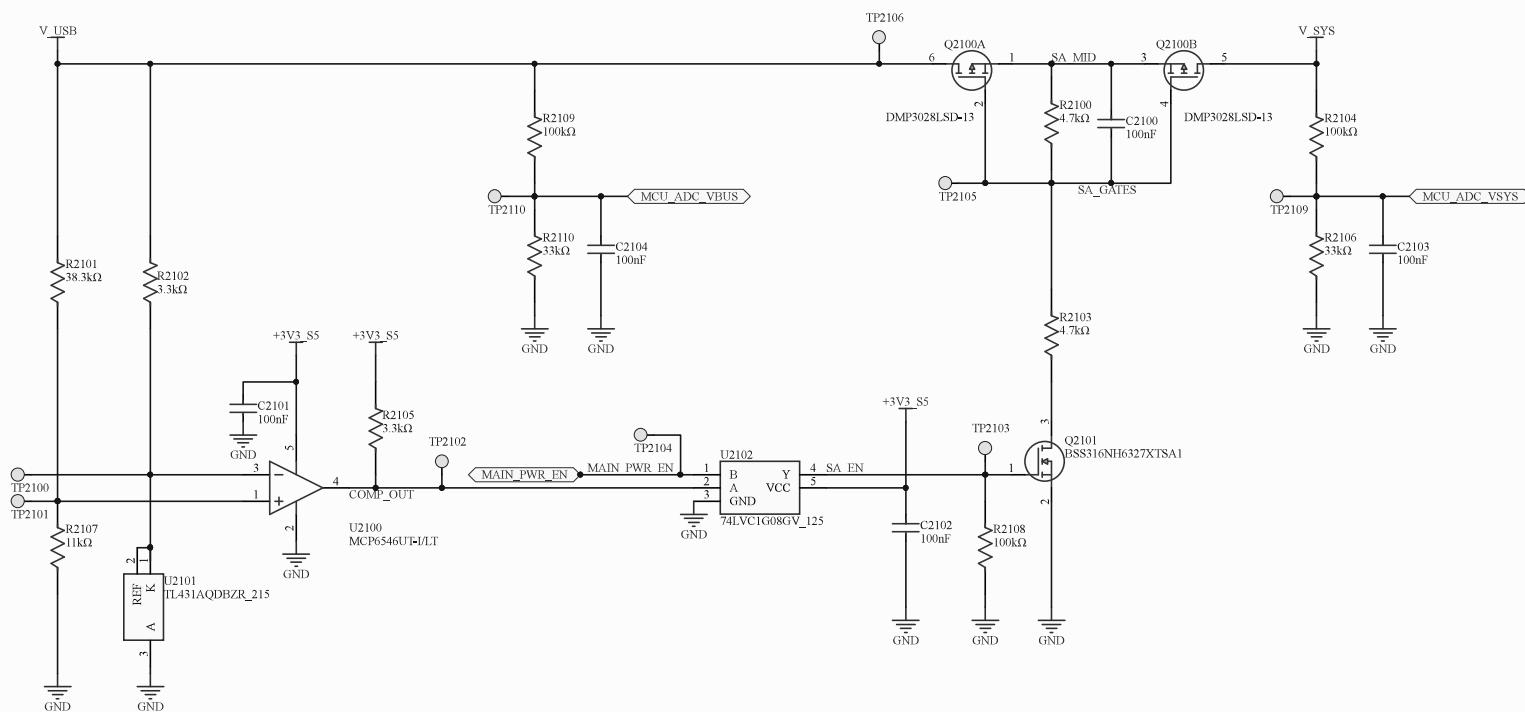
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Title E45_Hem_G_M		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 21 of 24	
File: D:\AKU\SwitchA.SchDoc	Drawn By:	

A

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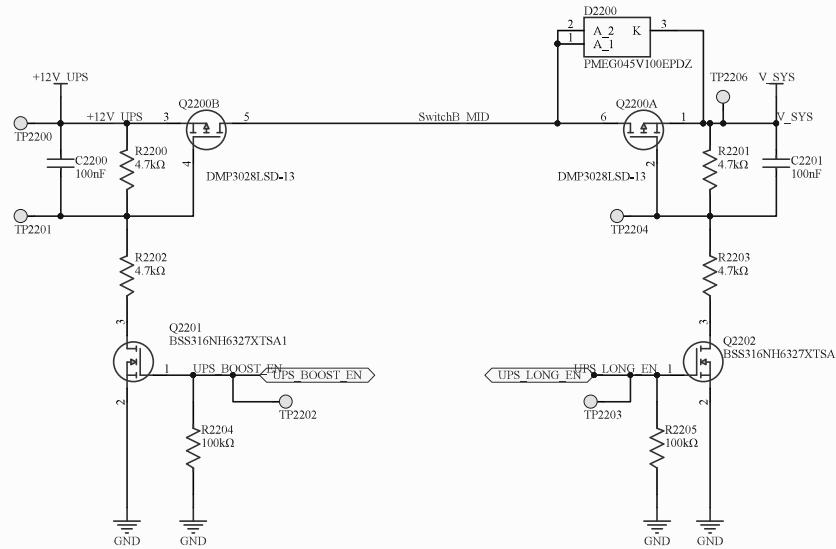
B

C

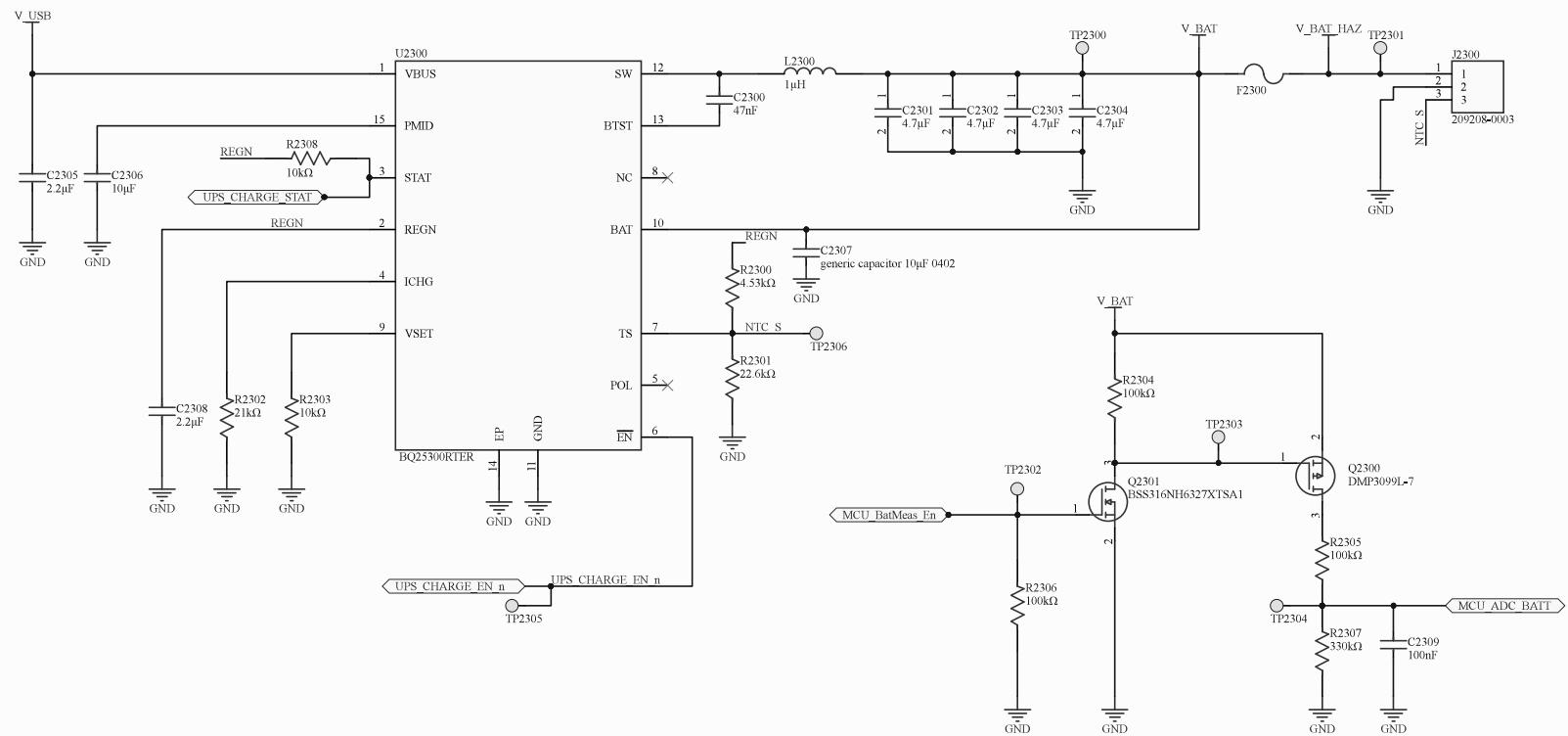
C

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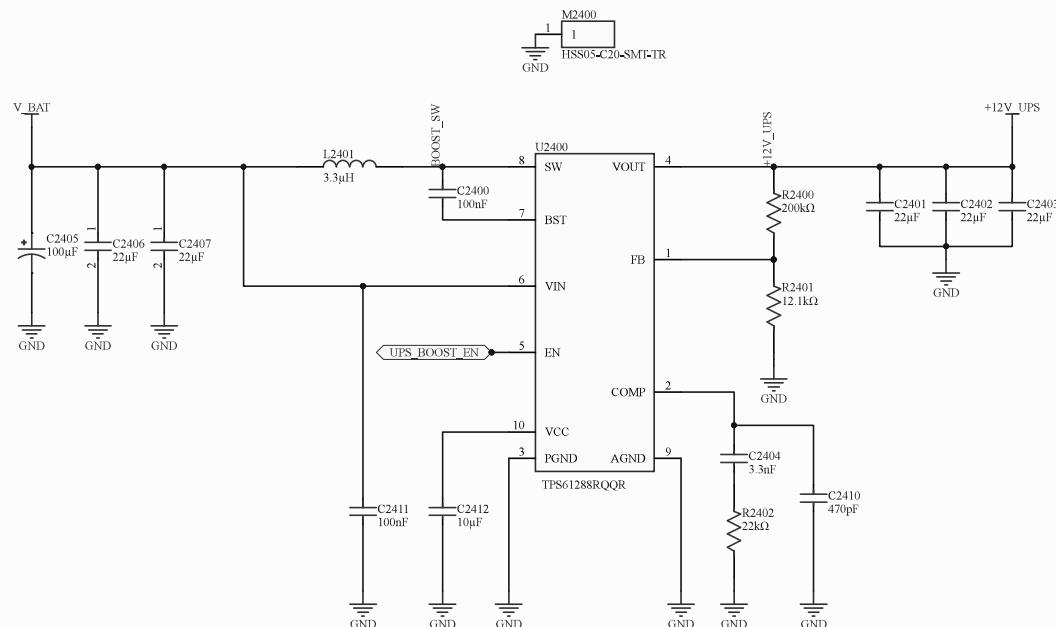
Switch B		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 22 of 24	
File: D:\AKU\Switch B.SchDoc	Drawn By:	



Title E45_Hem_G_M Charging		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet: 23 of 24	
File: D:\AKU\Charging.SchDoc		Drawn By:

A

A



B

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Title E45_Hem_G_M		
Size A3	Number	Revision Rev D
Date: 6/10/2025	Sheet 24 of 24	
File: D:\AKU\Boost Converter.SchDoc	Drawn By:	