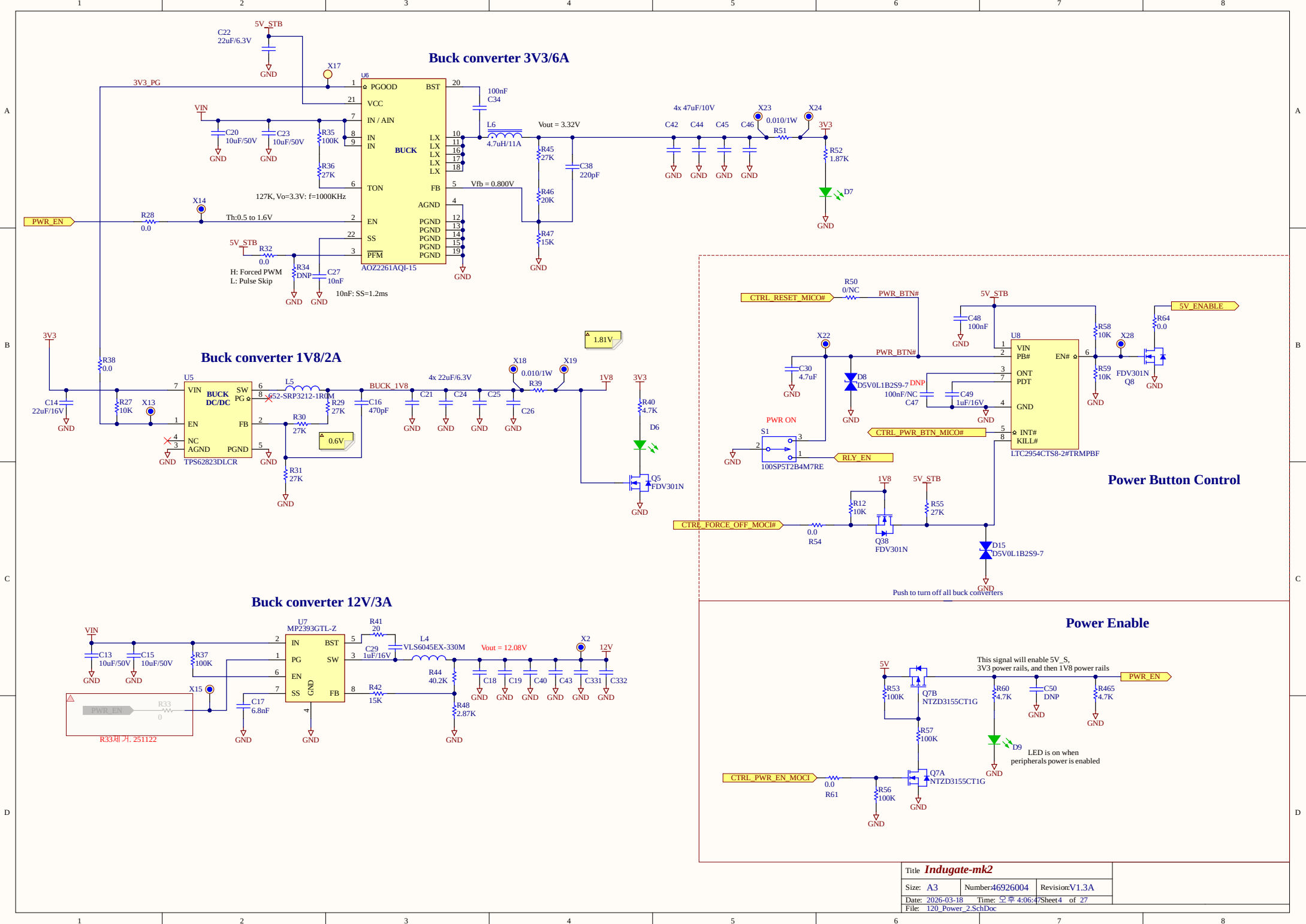




Buck converter 3V3/6A

Buck converter 1V8/2A

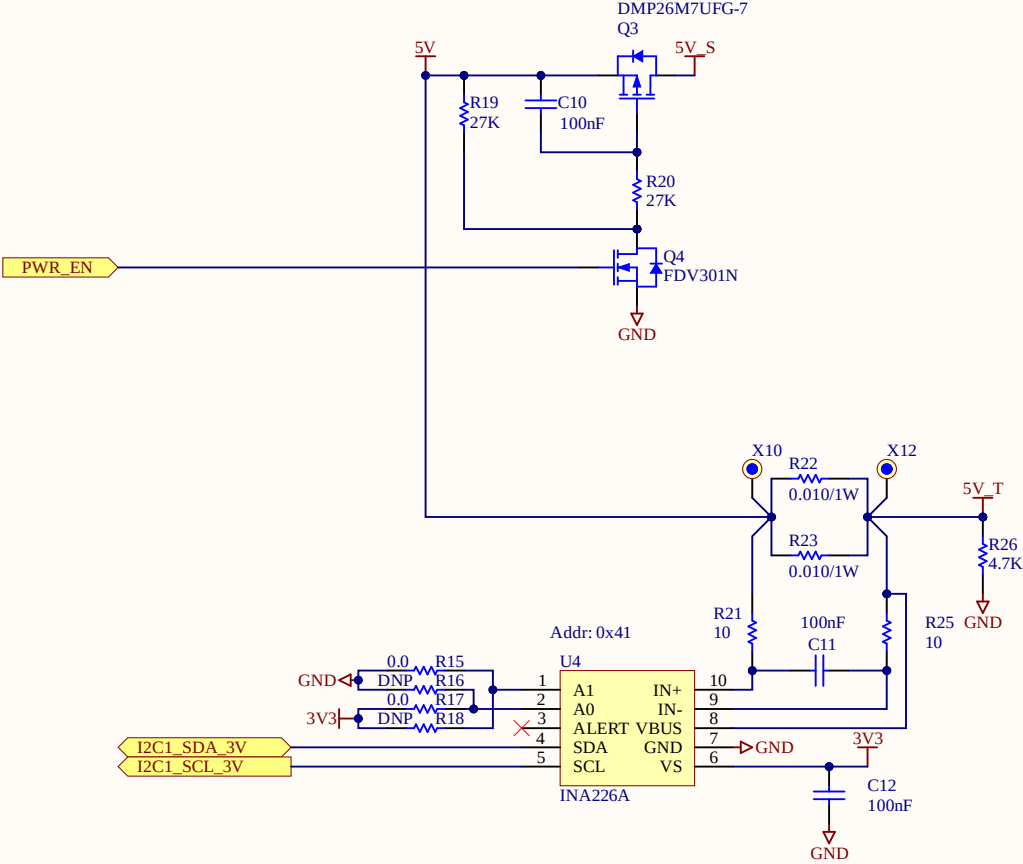
Buck converter 12V/3A

Power Button Control

Power Enable

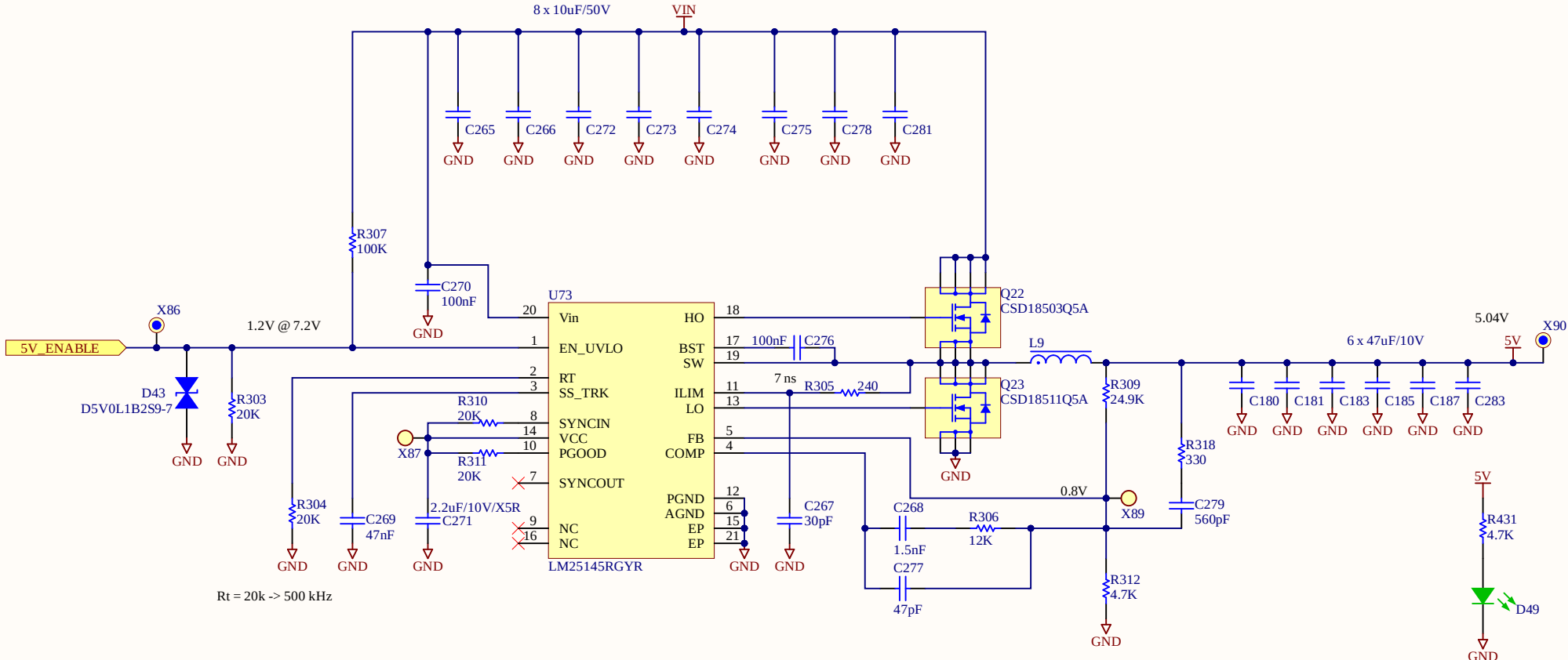
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Size: A3	Number: 46926004	Revision: V1.3A
Date: 2026-03-18	Time: 09:40:47	Sheet 4 of 27
File: 120_Power_2.SchDoc		

Switched 5V

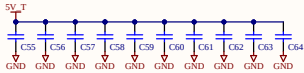


Title Indugate-mk2				
Size: A4	Number: 46926004	Revision: V1.3A		
Date: 2026-03-18	Time: 오후 4:06:47	Sheet 5 of 26		
File: 140_Power_3.SchDoc				

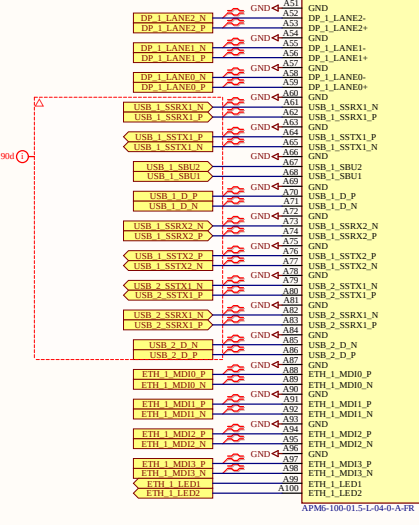
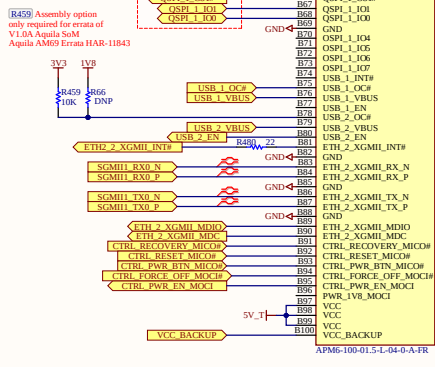
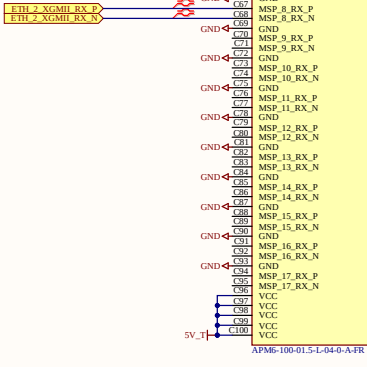
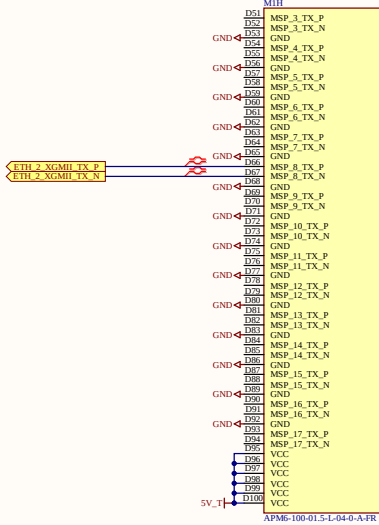
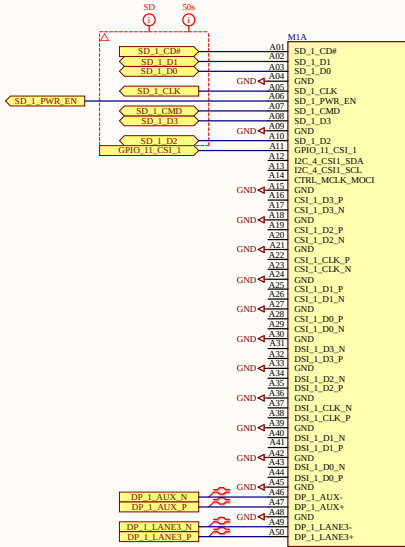
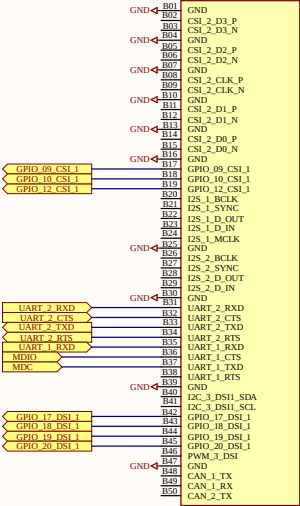
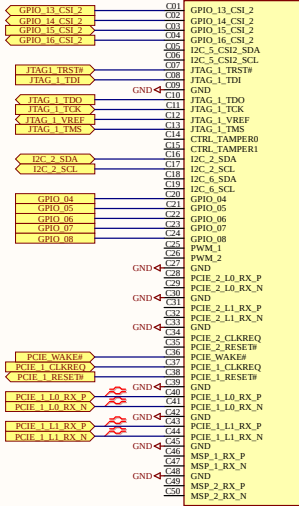
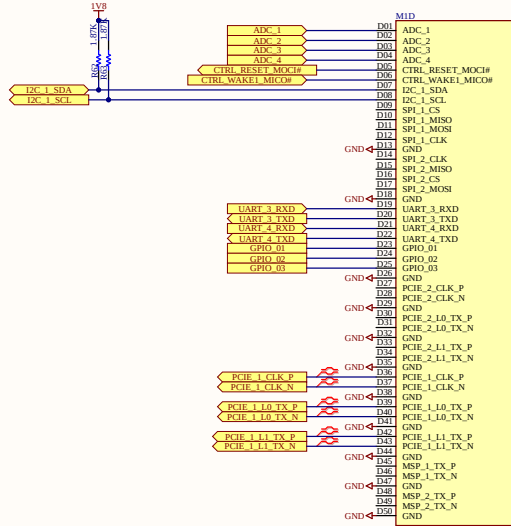
Step-Down DC/DC 5V/15A

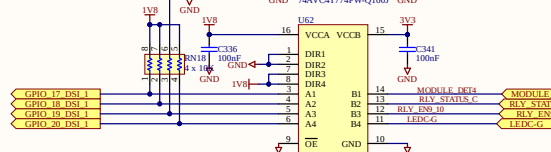
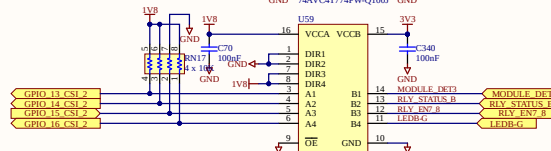
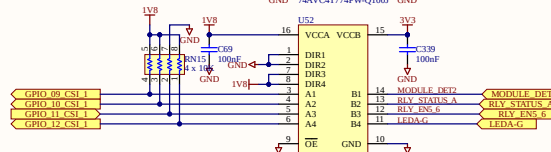
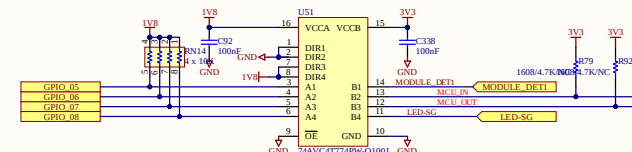
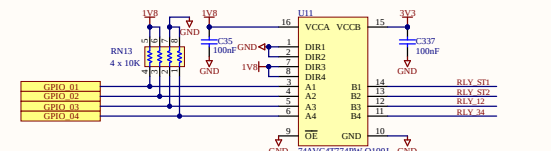
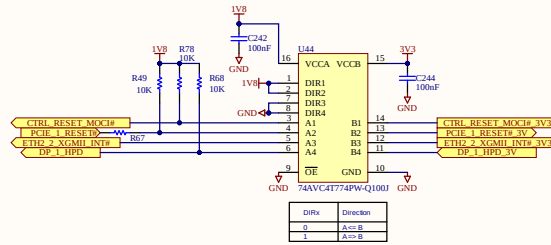
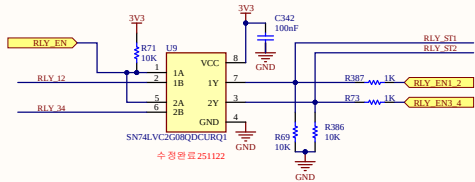
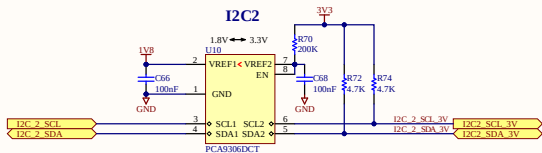
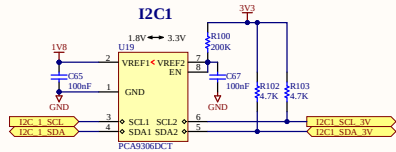
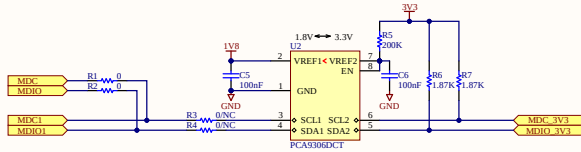
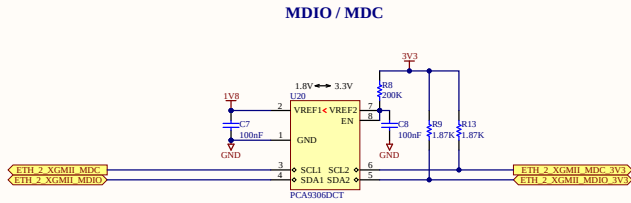


Title Indugate-mk2			
Size: A4	Number: 46926004	Revision: V1.3A	
Date: 2026-03-18	Time: 오후 4:06:47	Sheet 6 of 27	
File: 160_Power_4_SchDoc			

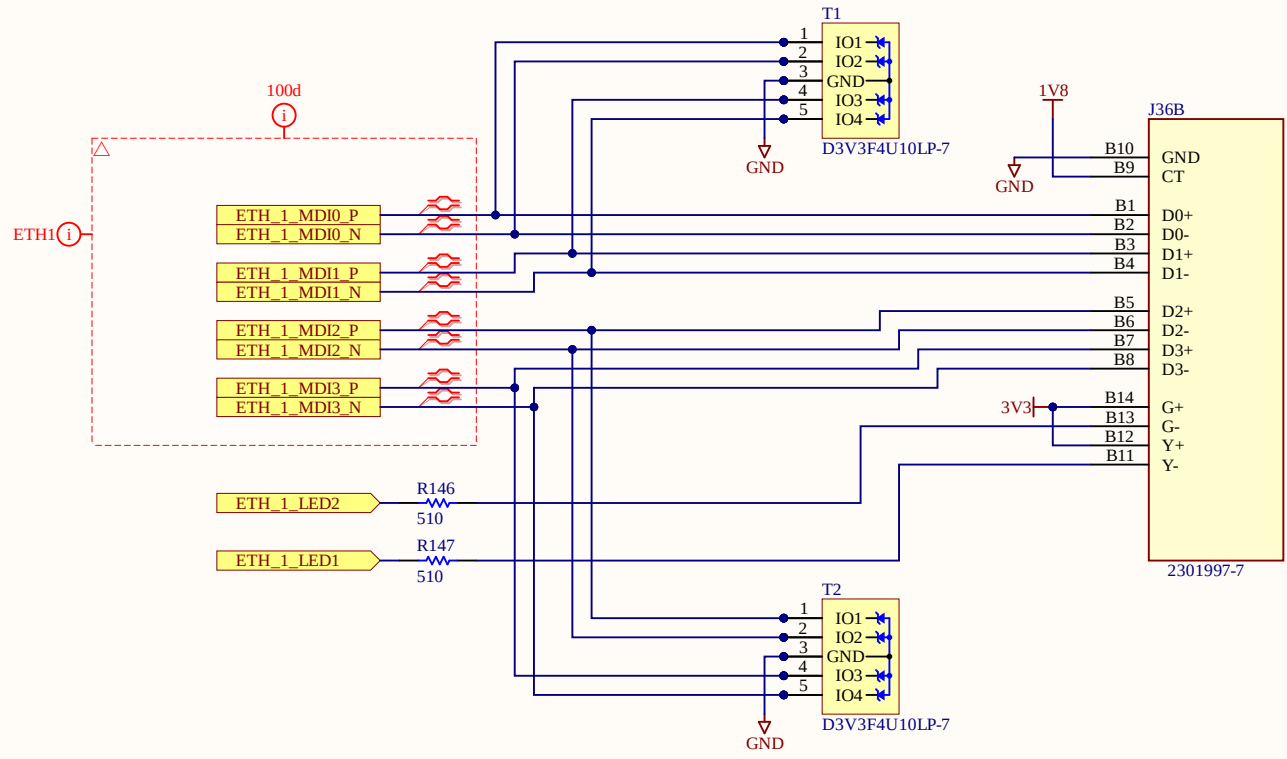


SOM Connector

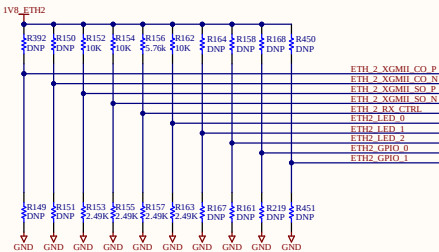




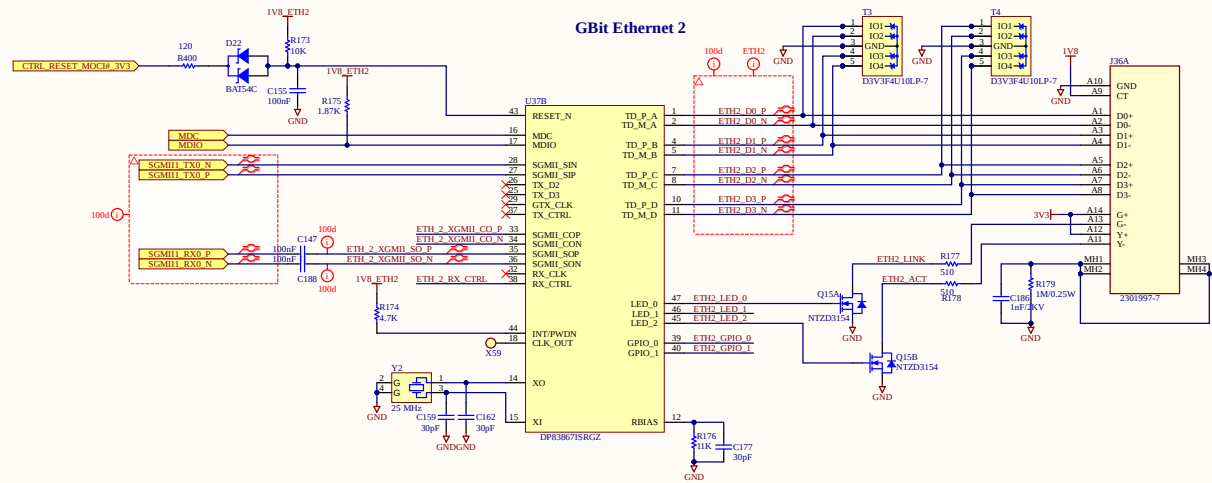
GBit Ethernet 1

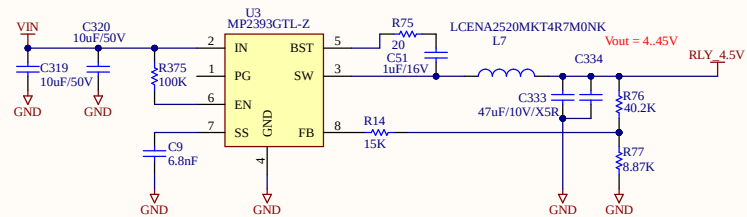


Title Indugate-mk2				
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Date: 2026-03-18	Time: 오후 4:06:48	Sheet 15 of 26		
File: 350_Ethernet.SchDoc				

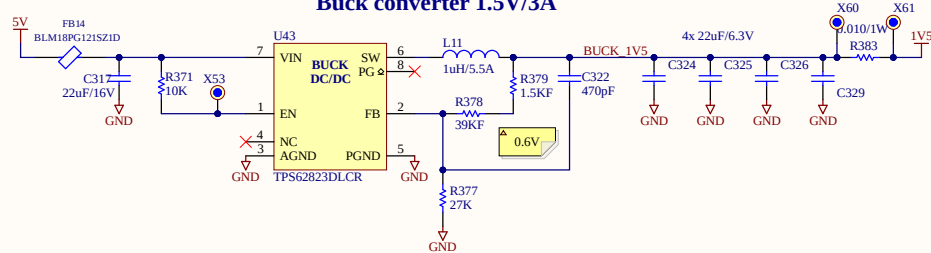


Pin Name	Mode	Rhi	Rlo	Function
SGMII_COP	1	Open	Open	Phy Addr [3..0] = 0100b (0x04h)
SGMII_SOP	2	10k	2.49k	Auto-Neg Enabled
RX_CTRL	3	5.76k	2.49k	Mirror Disabled, SGMII Enabled
LED_0	2	10k	2.49k	Advertise ability of 10/100/1000
LED_1	1	Open	Open	Clock TX Skew [2..0] = 000b (2 ns)
LED_2	1	Open	Open	Clock TX Skew [2..0] = 000b (2 ns)
GPIO_0	1	Open	Open	Clock RX Skew [2..0] = 000b (2 ns)
GPIO_1	1	Open	Open	Clock RX Skew [2..0] = 000b (2 ns)





Buck converter 1.5V/3A



Buck converter 1.05V/3A

