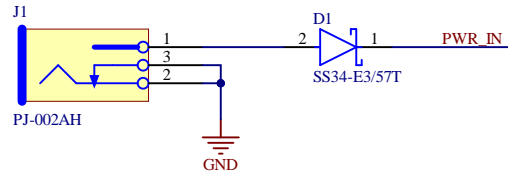


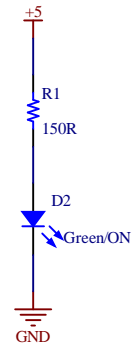
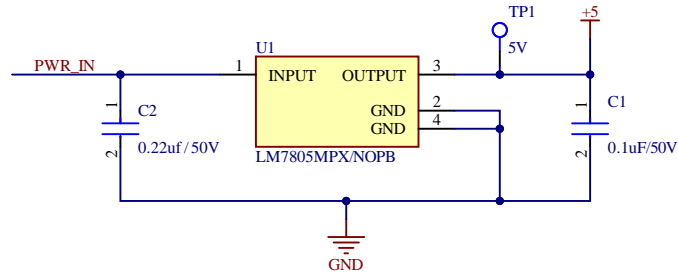
DC Power Input

Reverse polarity protection

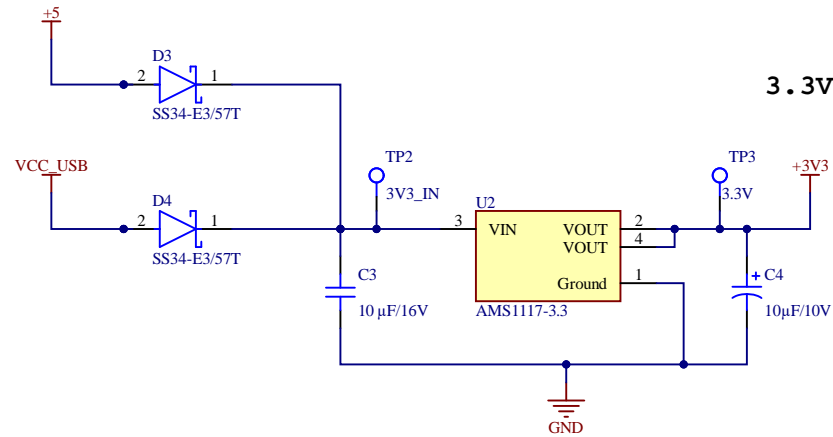


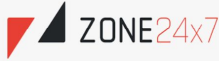
5v / 1A

Power ON/OFF LED

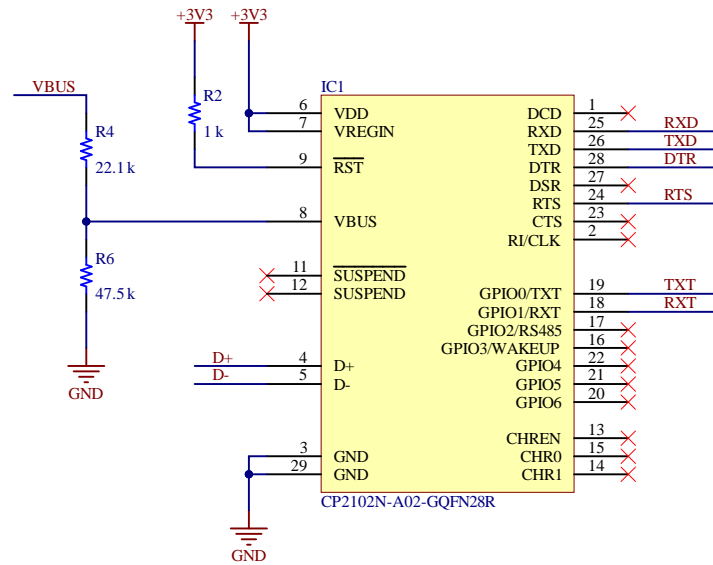
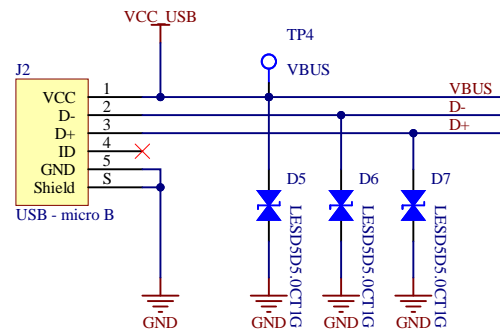


3.3V / 1A



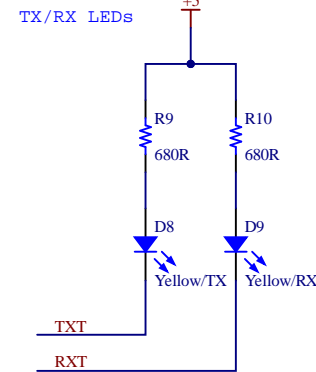
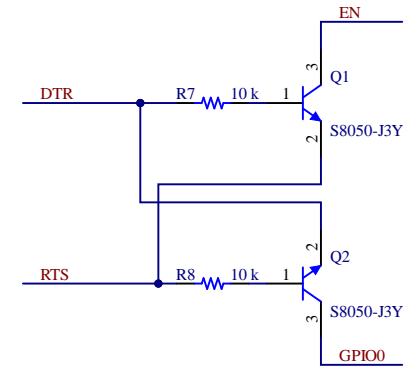
Title <i>Smart_Wifi_Control_System_Rev_A.1.0</i>			
Size: A4	Number:2.	Revision:A.1.0	
Date: 1/25/2024	Time: 8:21:47 PM	Sheet2 of 9	
Sheet Name: 01.Power.SchDoc			
Drawn By: H.M.K Shehan			

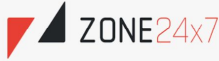
USB Interface



MCU UART Interface

Auto Program Unit



Title <i>Smart_Wifi_Control_System_Rev_A.1.0</i>			
Size: A4	Number:3.	Revision:A.1.0	
Date: 1/25/2024	Time: 8:21:47 PM	Sheet3 of 9	
Sheet Name : 02.USB_2_UART.SchDoc			
Drawn By : H.M.K Shehan			

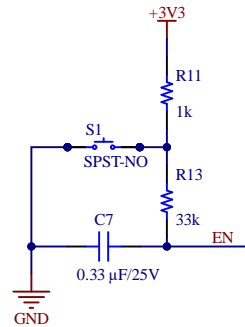
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2

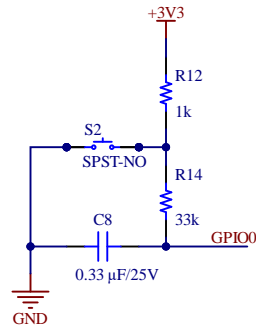
3

4

Enable Button

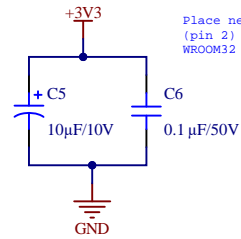


Program Button

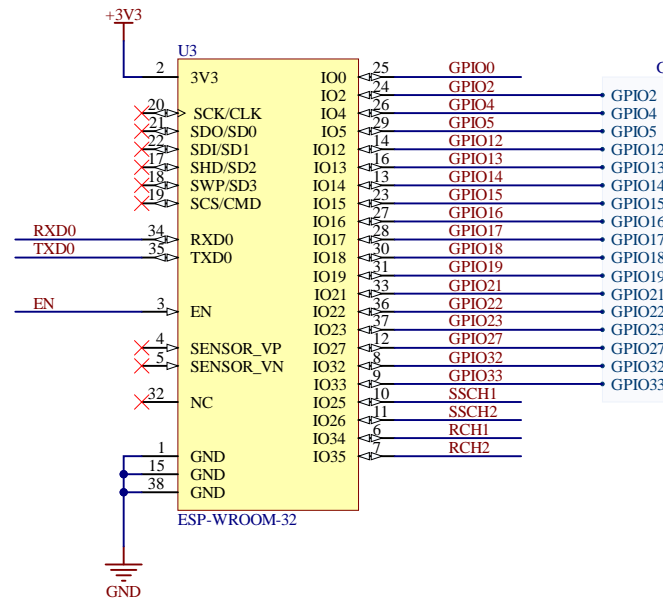
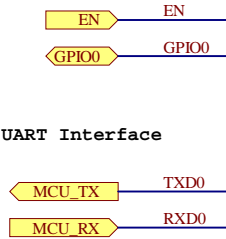


Decoupling CAP

Place near the 3V3 pin
(pin 2) of ESP -
WROOM32



MCU UART Interface



GPIO

GPIO

SSR Channels

Relay Channels

Title **Smart_Wifi_Control_System_Rev_A.1.0**

Size: A4

Number:4.

Revision:A.1.0

Date: 1/25/2024

Time: 8:21:47 PM

Sheet4 of 9

Sheet Name: 03.MCU.SchDoc

Drawn By : H.M.K Shehan

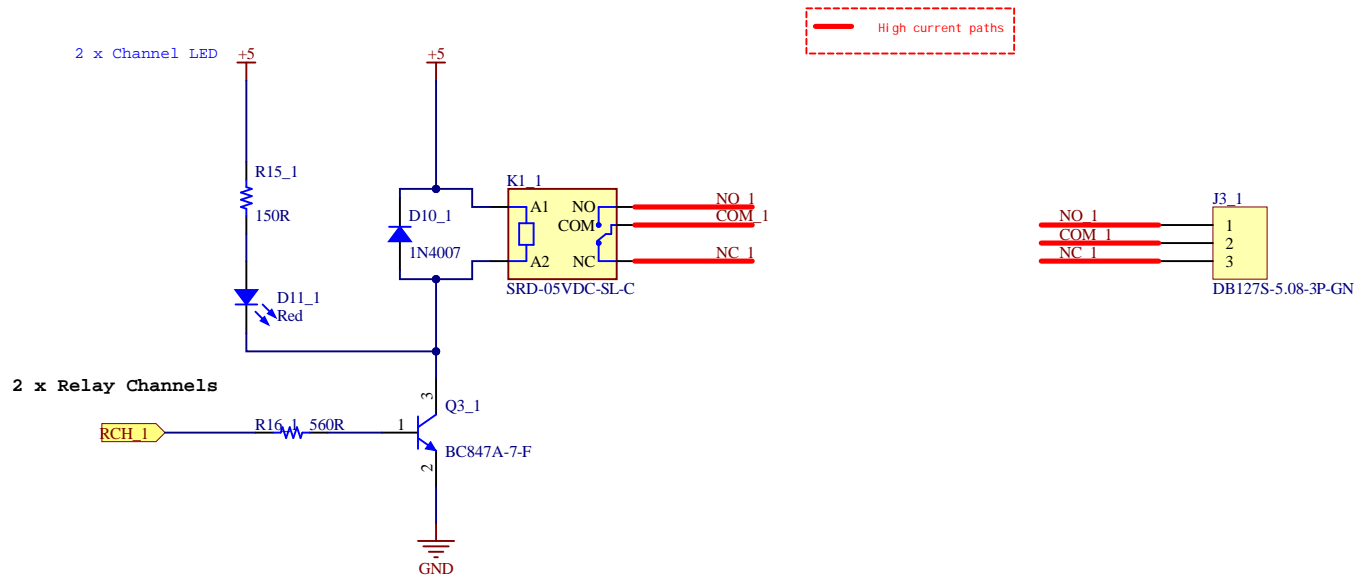



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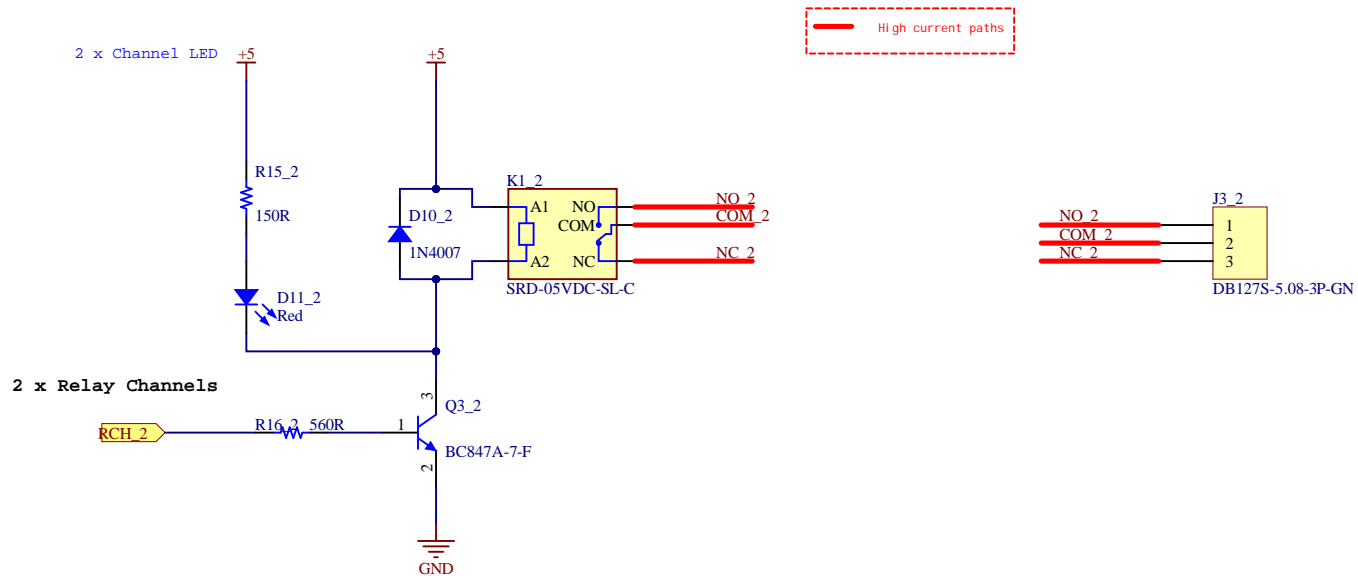
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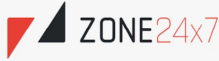
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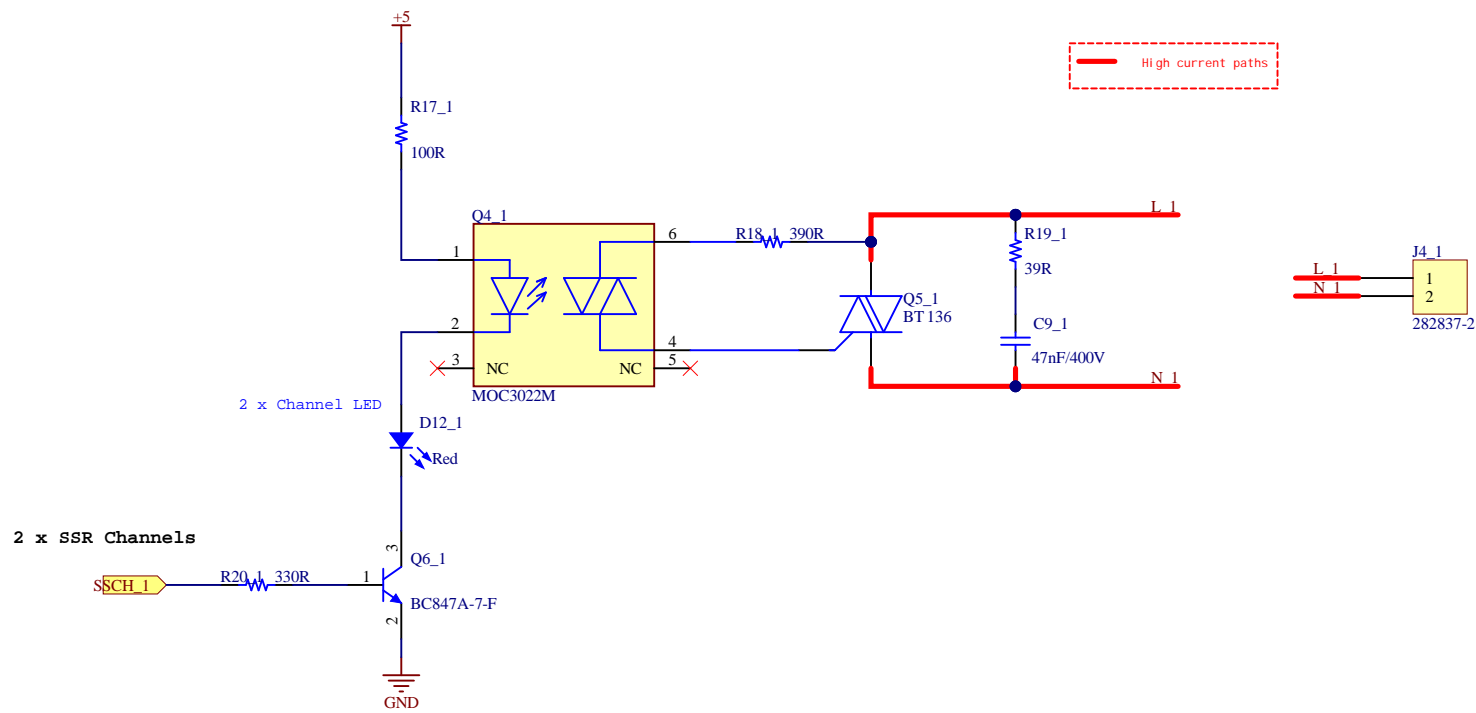
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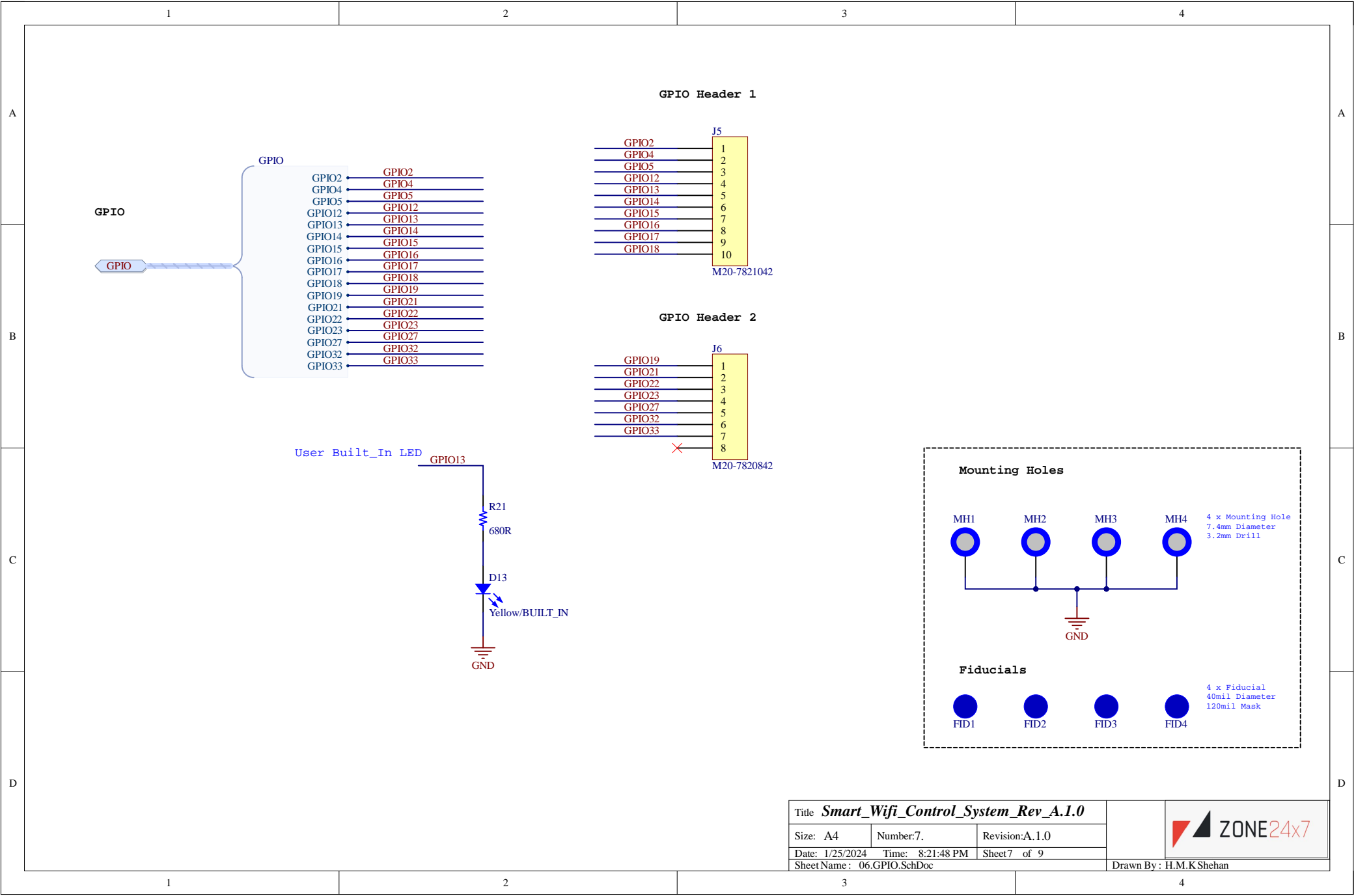
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Size: A4	Number:5.1	Revision:A.1.0	
Date: 1/25/2024	Time: 8:21:47 PM	Sheet5.1 of 9	
Sheet Name: 04.Relays.SchDoc			
Drawn By : H.M.K Shehan			



Title <i>Smart_Wifi_Control_System_Rev_A.1.0</i>			
Size: A4	Number:5.2	Revision:A.1.0	
Date: 1/25/2024	Time: 8:21:47 PM	Sheet5.2 of 9	
Sheet Name: 04.Relays.SchDoc			
Drawn By : H.M.K Shehan			



Title <i>Smart_Wifi_Control_System_Rev_A.1.0</i>			
Size: A4	Number:6.1	Revision:A.1.0	
Date: 1/25/2024	Time: 8:21:47 PM	Sheet6.1 of 9	
Sheet Name: 05.SSRs.SchDoc			
Drawn By : H.M.K.Shehan			



Title <i>Smart_Wifi_Control_System_Rev_A.1.0</i>			
Size: A4	Number:7.	Revision:A.1.0	
Date: 1/25/2024	Time: 8:21:48 PM	Sheet7 of 9	
Sheet Name: 06.GPIO.SchDoc			
			Drawn By : H.M.K.Shehan

1

2

3

4

