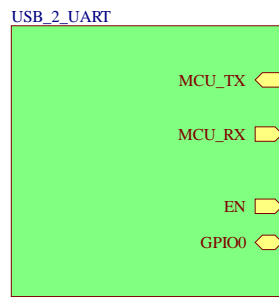
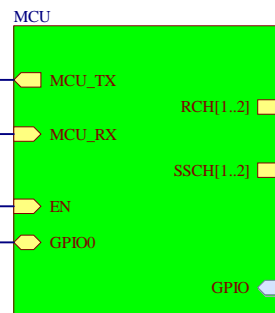


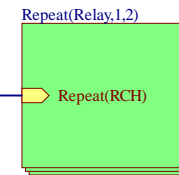
01.Power.SchDoc



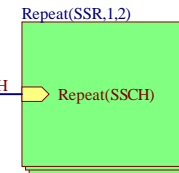
02.USB\_2\_UART.SchDoc



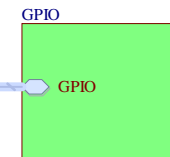
03.MCU.SchDoc



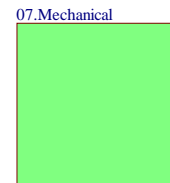
04.Relays.SchDoc



05.SSRs.SchDoc



06.GPIO.SchDoc

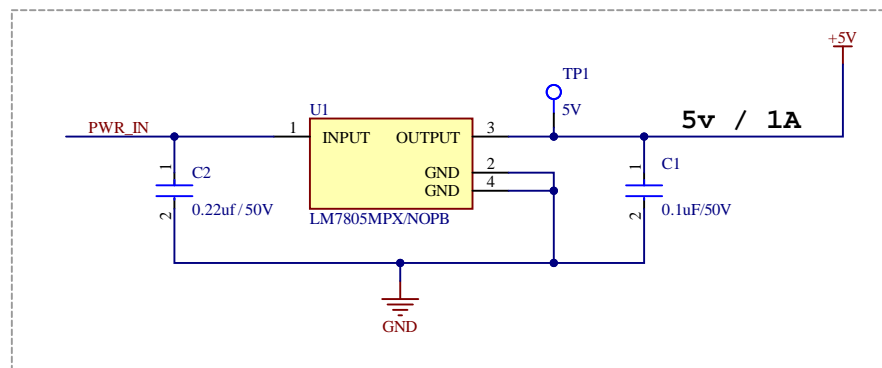
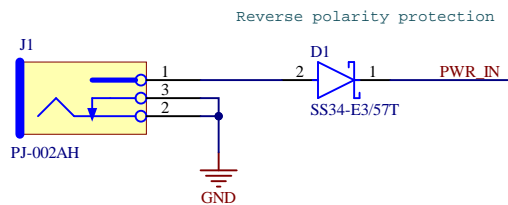


07.Mechanical.SchDoc

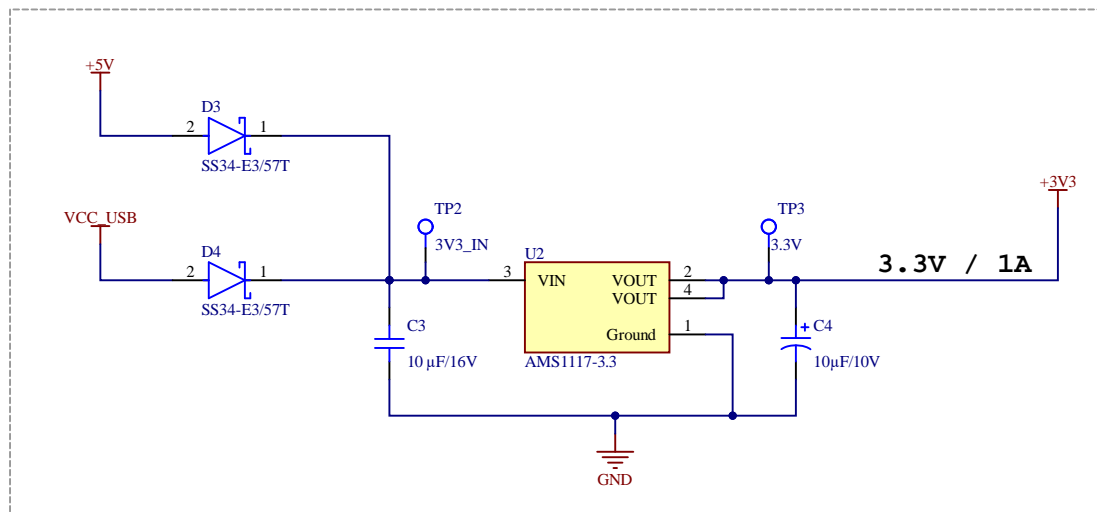
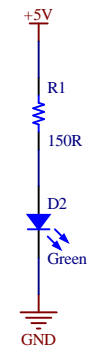
Title : <b>Smart_Wifi_Control_System_Rev_A.1.0</b>			
Page : <b>Block Diagram</b>			
Size: A4	Number:01.	Revision:A.1.0	
Date: 2/3/2024	Time: 6:53:23 PM	Sheet1	of 10
Sheet Name: 0.Main.SchDoc			Drawn By : H.M.K Shehan



# DC Power Input



# Power ON/OFF LED



Title : **Smart\_Wifi\_Control\_System\_Rev\_A.1.0**

Page : **Power**

Size: A4

Number:02.

Revision:A.1.0

Date: 2/3/2024

Time: 6:53:23 PM

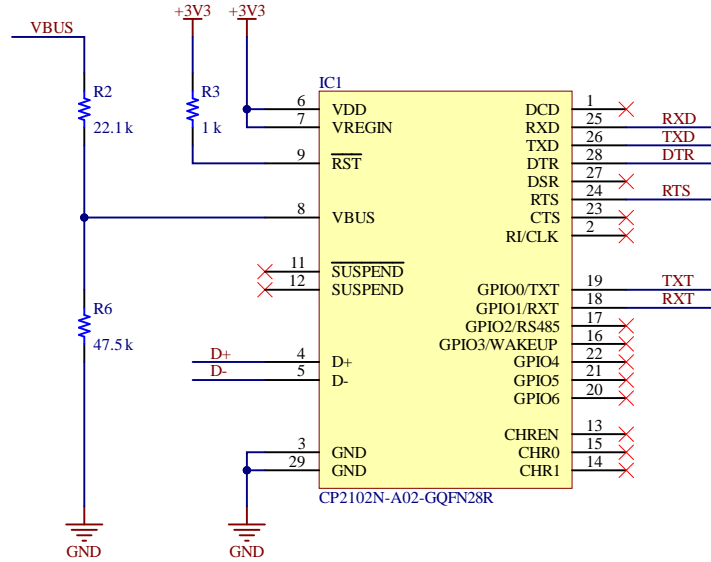
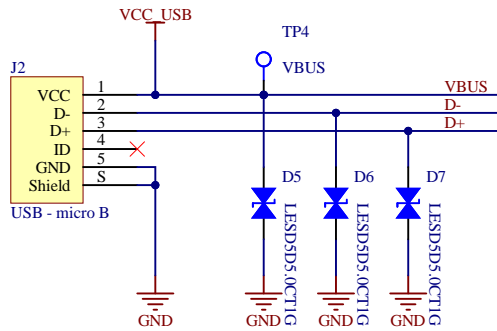
Sheet2 of 10

Sheet Name: 01.Power.SchDoc

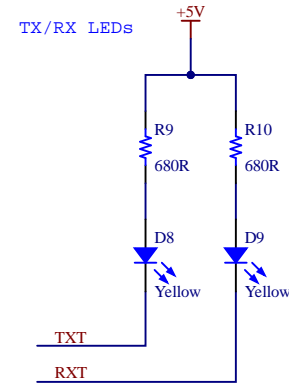
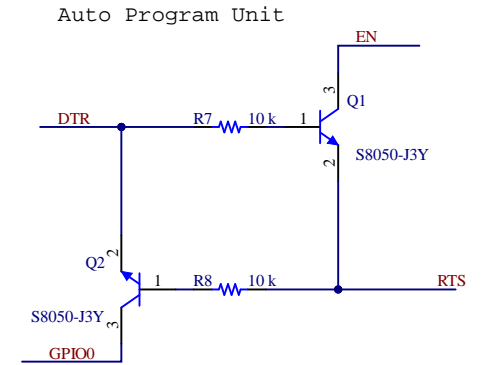


Drawn By : H.M.K Shehan

# USB Interface



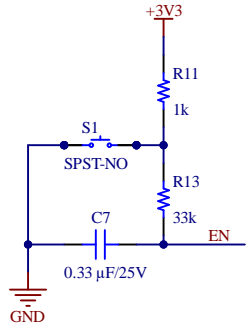
# MCU UART Interface



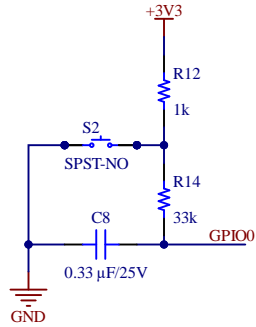
Title : <b>Smart_Wifi_Control_System_Rev_A.1.0</b>			
Page : <b>USB to UART</b>			
Size: A4	Number:03.	Revision:A.1.0	
Date: 2/3/2024	Time: 6:53:23 PM	Sheet3 of 10	
Sheet Name: 02.USB_2_UART.SchDoc		Drawn By : H.M.K.Shehan	



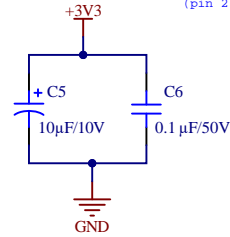
### Enable Button



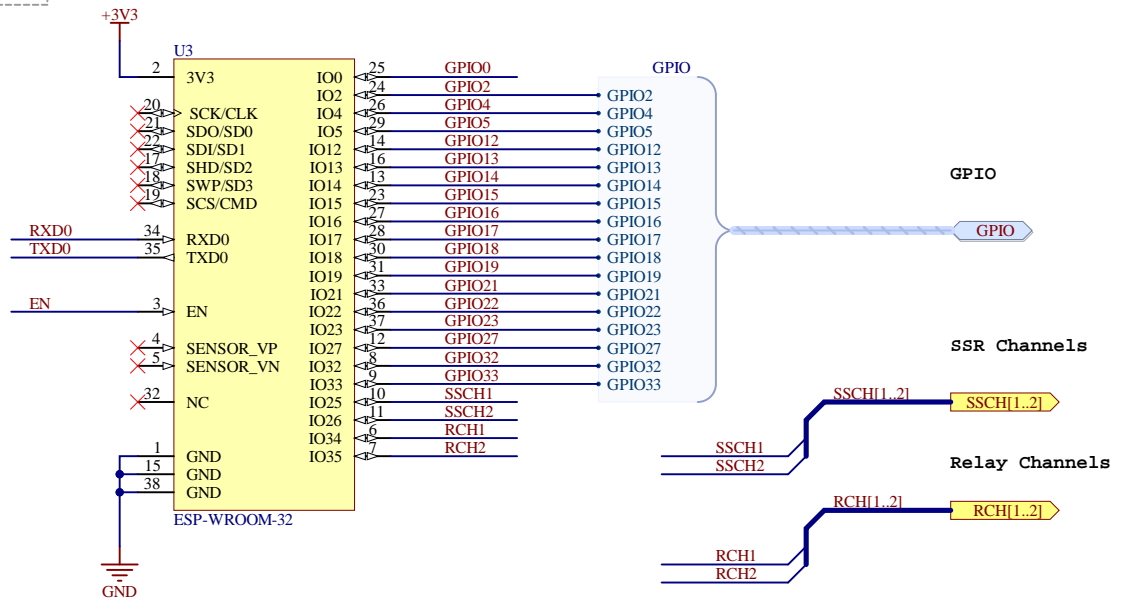
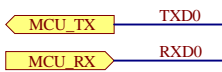
### Program Button



### Decoupling Cap



### MCU UART Interface



Title : **Smart\_Wifi\_Control\_System\_Rev\_A.1.0**

Page : **MCU**

Size: A4

Number:04.

Revision:A.1.0

Date: 2/3/2024

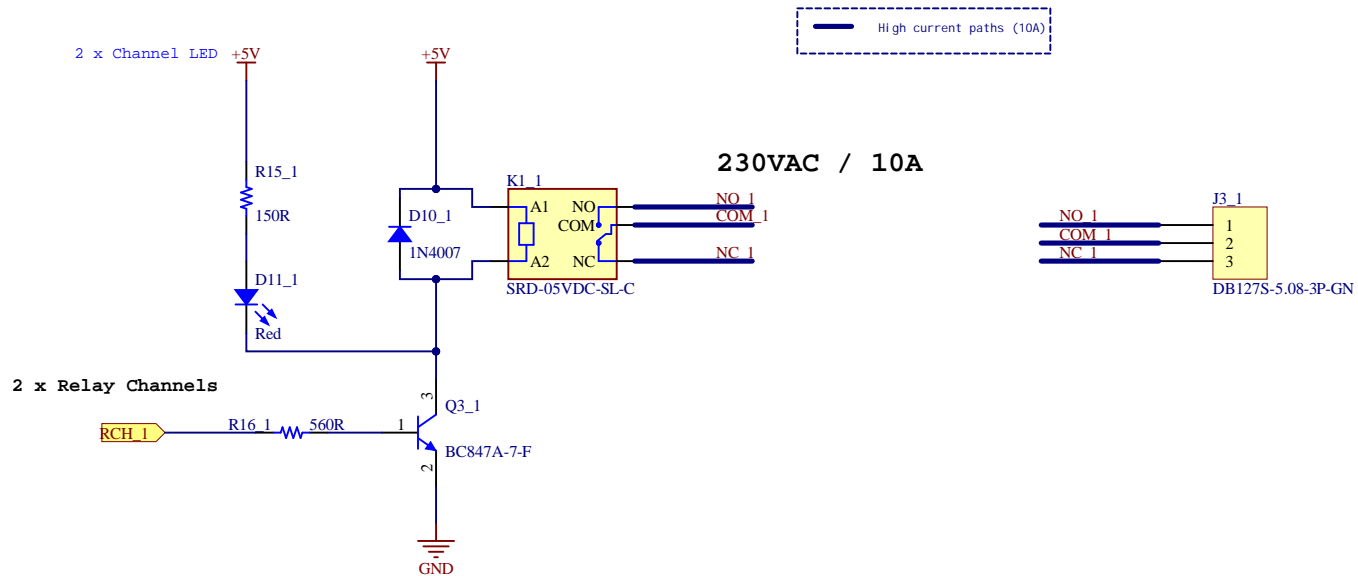
Time: 6:53:23 PM

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Sheet Name: 03.MCU.SchDoc

Drawn By : H.M.K Shehan





Title : **Smart\_Wifi\_Control\_System\_Rev\_A.1.0**

Page : **Relay Channels**

Size: A4

Number:05.1

Revision:A.1.0

Date: 2/3/2024

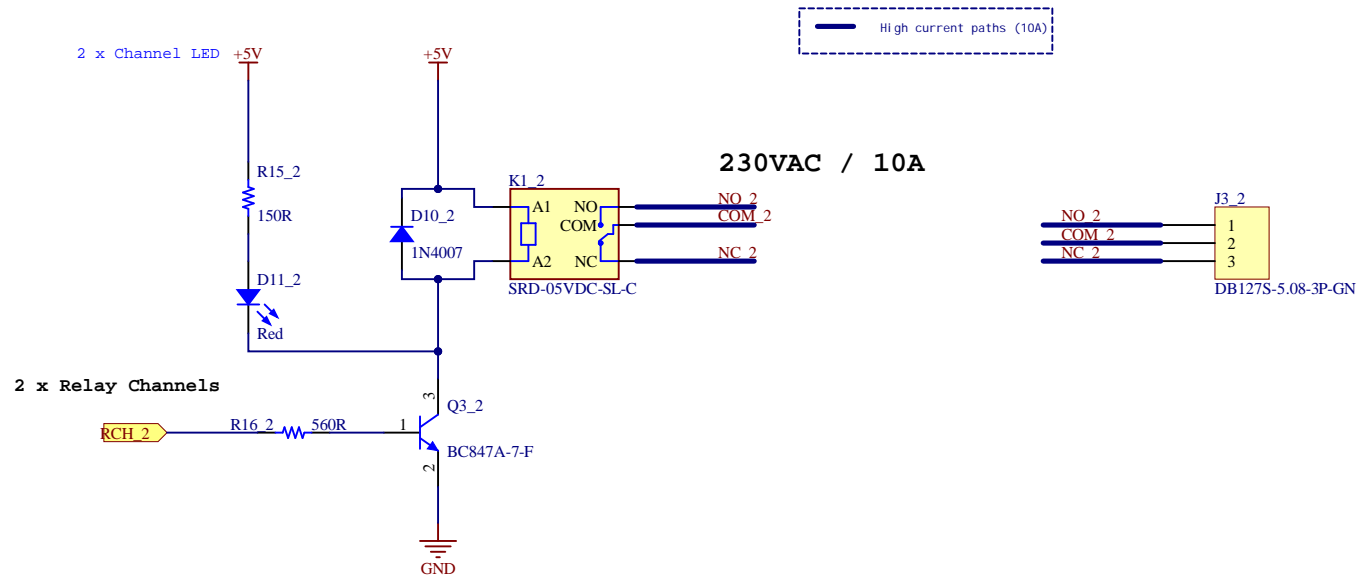
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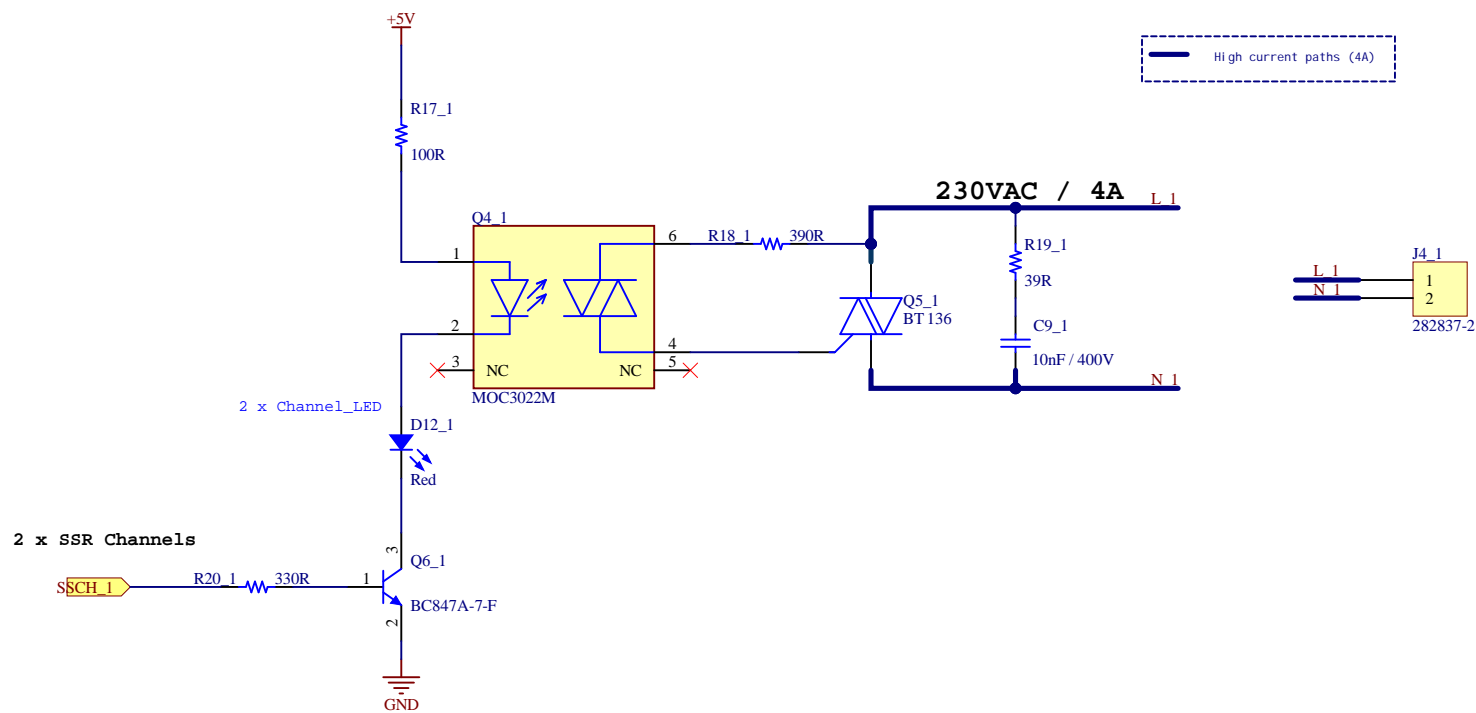
Sheet5.1 of 10

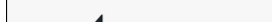
Sheet Name: 04.Relays.SchDoc



Drawn By : H.M.K.Shehan

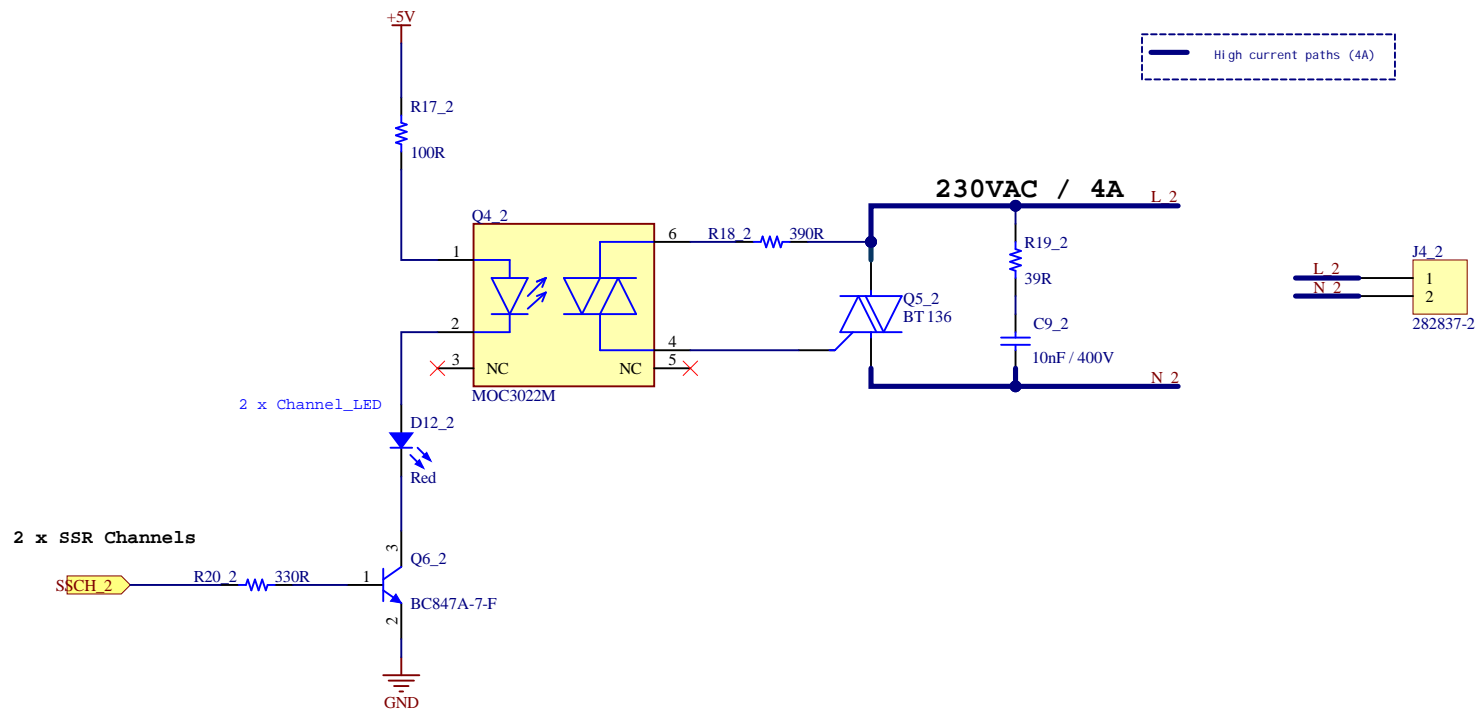




Title : <b>Smart_Wifi_Control_System_Rev_A.I.0</b>				
Page : <b>SSR Channels</b>				
Size: A4	Number:06.1	Revision:A.1.0		
Date: 2/3/2024	Time: 6:53:24 PM	Sheet6.1 of 10		
Sheet Name : 05.SSRs.SchDoc			Drawn By : H.M.K Shehan	

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Title : **Smart\_Wifi\_Control\_System\_Rev\_A.1.0**

Page : **SSR Channels**

Size: A4

Number:06.2

Revision:A.1.0

Date: 2/3/2024

Time: 6:53:24 PM

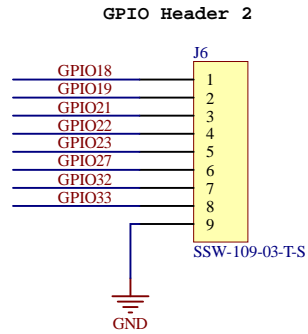
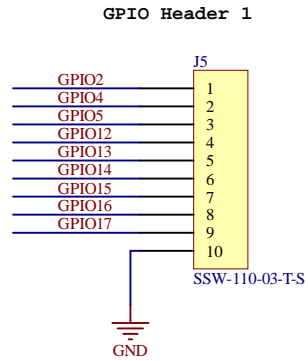
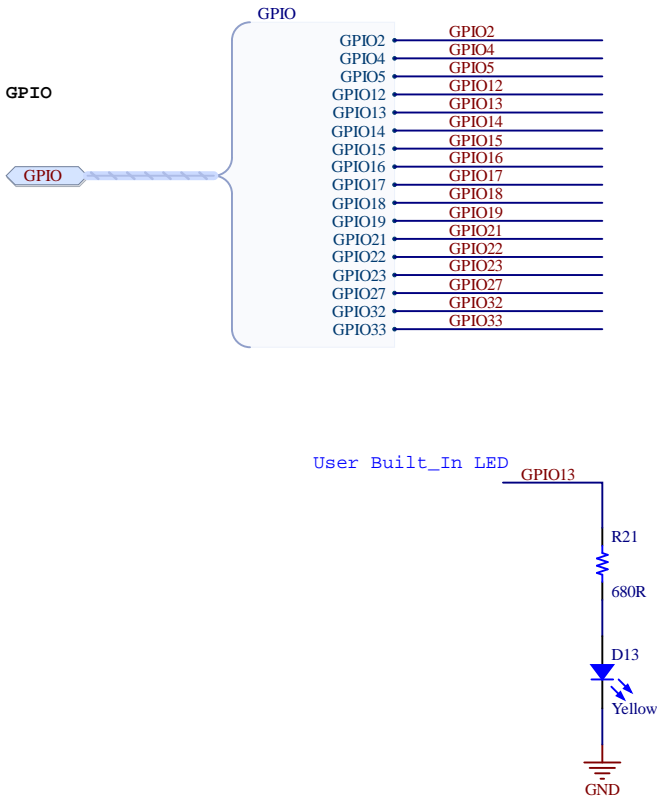
Sheet6.2 of 10

Sheet Name: 05.SSRs.SchDoc



Drawn By : H.M.K Shehan





Title : <b>Smart_Wifi_Control_System_Rev_A.1.0</b>			
Page : <b>GPIO</b>			
Size: A4	Number:07.	Revision:A.1.0	
Date: 2/3/2024	Time: 6:53:24 PM	Sheet7 of 10	
Sheet Name : 06.GPIO.SchDoc			Drawn By : H.M.K Shehan



1

2

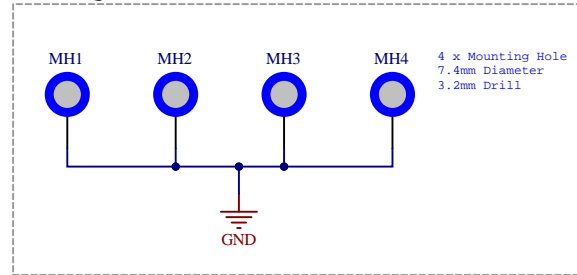
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4

A

A

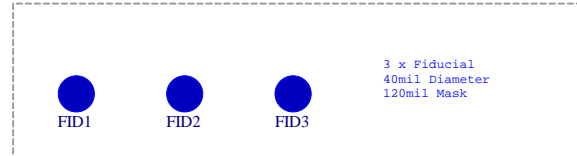
**Mounting Holes**



B

B

**Fiducials**



C

C

D

D

1

2

3

4

Title : <b>Smart_Wifi_Control_System_Rev_A.1.0</b>			
Page : <b>Mechanical parts</b>			
Size: A4	Number:08.	Revision:A.1.0	
Date: 2/3/2024	Time: 6:53:24 PM	Sheet8	of 10
Sheet Name: 07.Mechanical.SchDoc			Drawn By : H.M.K.Shehan