

1

2

3

4

A

A

# SMART SWITCH - WiFi BOARD\_WE10

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B

B

C

C

D

D

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Project Name: SMART SWITCH - WiFi_Microbus-WE10		Department: Design and Development	
22-07-2022	PCB No:	Rev:1P1	Sheet: 1 of 5

1

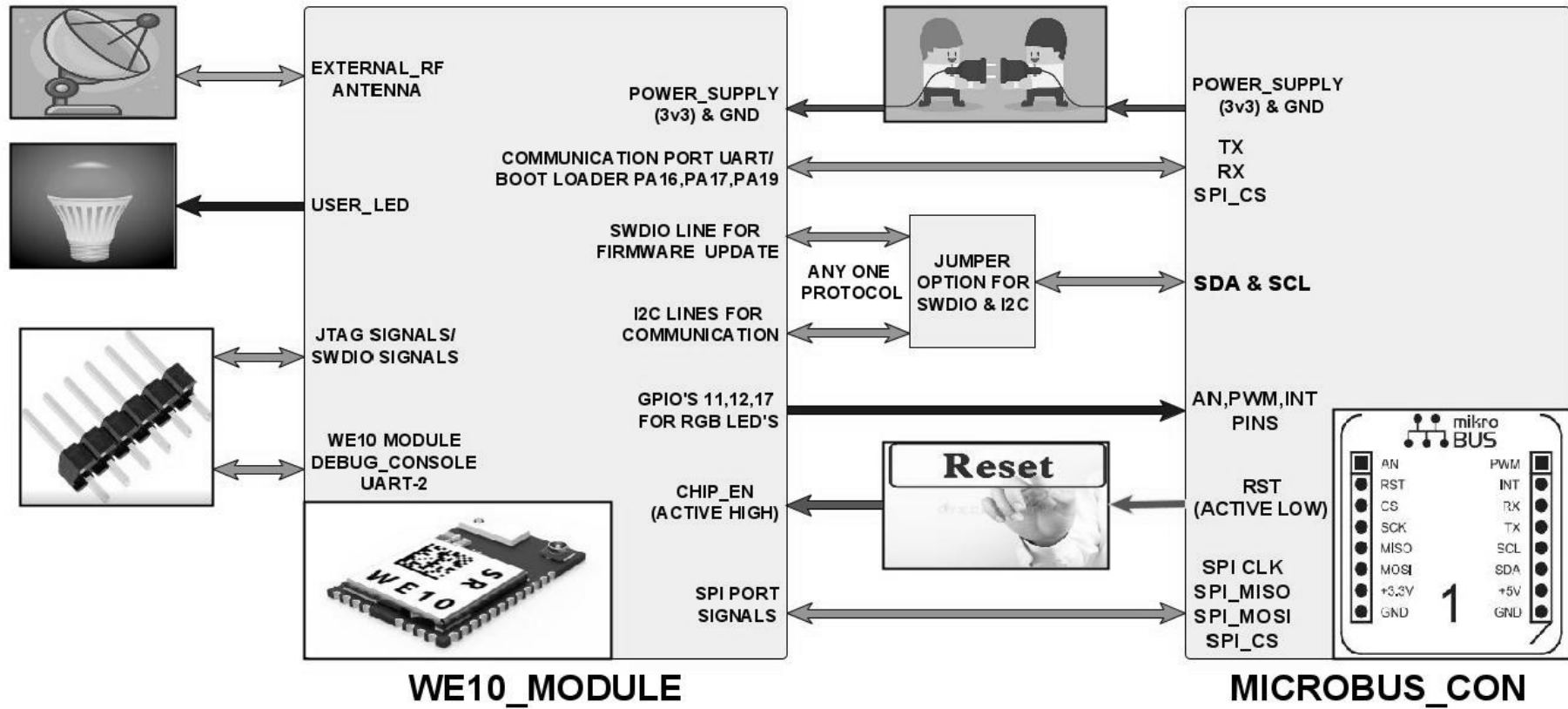
2

3

4

# Block Diagram

## WE10\_MICROBUS



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Company Name	RBCCPS IISC
Project Title	SMART SWITCH - WiFi_Microbus-WE10
Designed By	NIKHIL

Version #	Engineer Name	Release Date	Verified	Modifications Done	Remarks
1P0	NIKHIL			MICRO BUS	
1P1	NIKHIL	19MAY2022		MICRO BUS	

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1	2	3	4
A			
B			
C			
D			
1	2	3	4

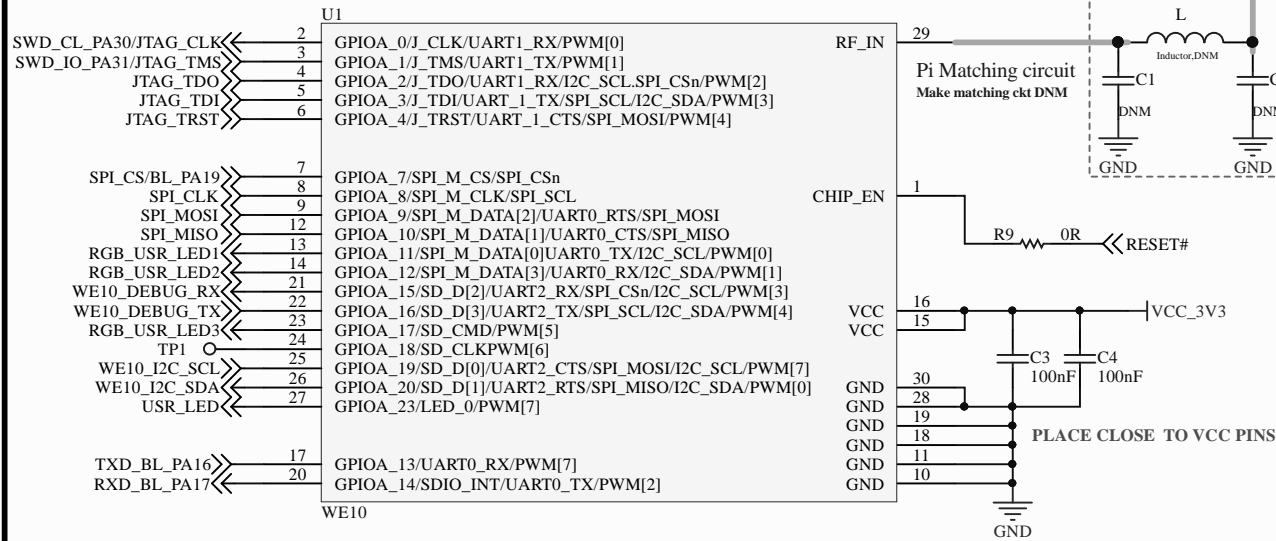
Page#	SCHEMATIC TITLE	COMMENTS
01	Introduction	
02	Block Diagram	
03	Revision History	
04	Project Review	
05	WE10_Module	

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# WE10\_MODULE

TRY TO MAINTAIN  
SOME FREE SPACE  
AROUND ANTENNA  
SECTION

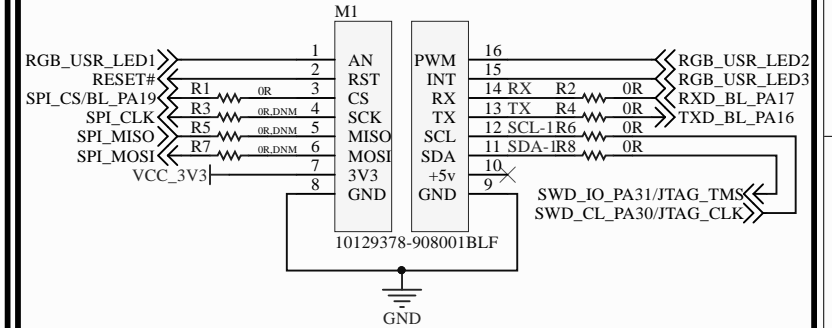
50R Impedance matching required for RF signal



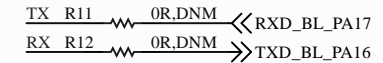
## MikroBUS Module HDR (2.54mm Berg Female Type x2)

(Place CONN @ Bottom 1:1 Interface with Pico Computer)

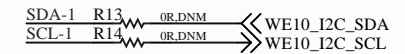
MAKE "M1" AS 02 QTY IN BOM



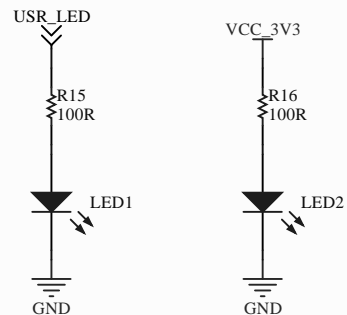
### UART SIGNAL PROVISION FOR DIFFERENT CARRIER BOARDS INTERFACE



### MICROBUS\_I2C\_PROVISION FOR DIFFERENT CARRIER BOARDS INTERFACE

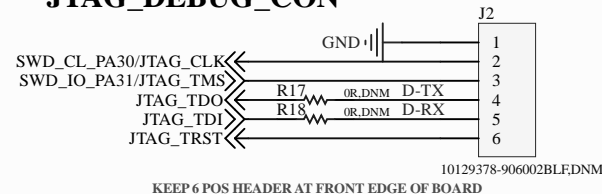


## USER\_LED POWER\_INDICATION

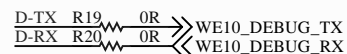


PROVIDE CATHODE SILK LEGEND MARKING FOR ALL LED  
KEEP LED'S AWAY FROM ANTENNA SECTION

## JTAG\_DEBUG\_CON



## WE10\_DEBUG\_CONSOLE UART



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