

Jorjin Technologies Inc.

WG7A51E01A

WG7A51-01 Evaluation SDIO (uSD/TF) Board

History Change

Revision	Date	Description	Prepared By
D01	2024/09/26	Initial Release	Dennis Chiu

RD Approved			
Dennis Chiu			



JORJIN TECHNOLOGIES INC.

Title

Title Page

Size A

Document Number

Rev

WG7A51E01A-SCH

D01

Date:

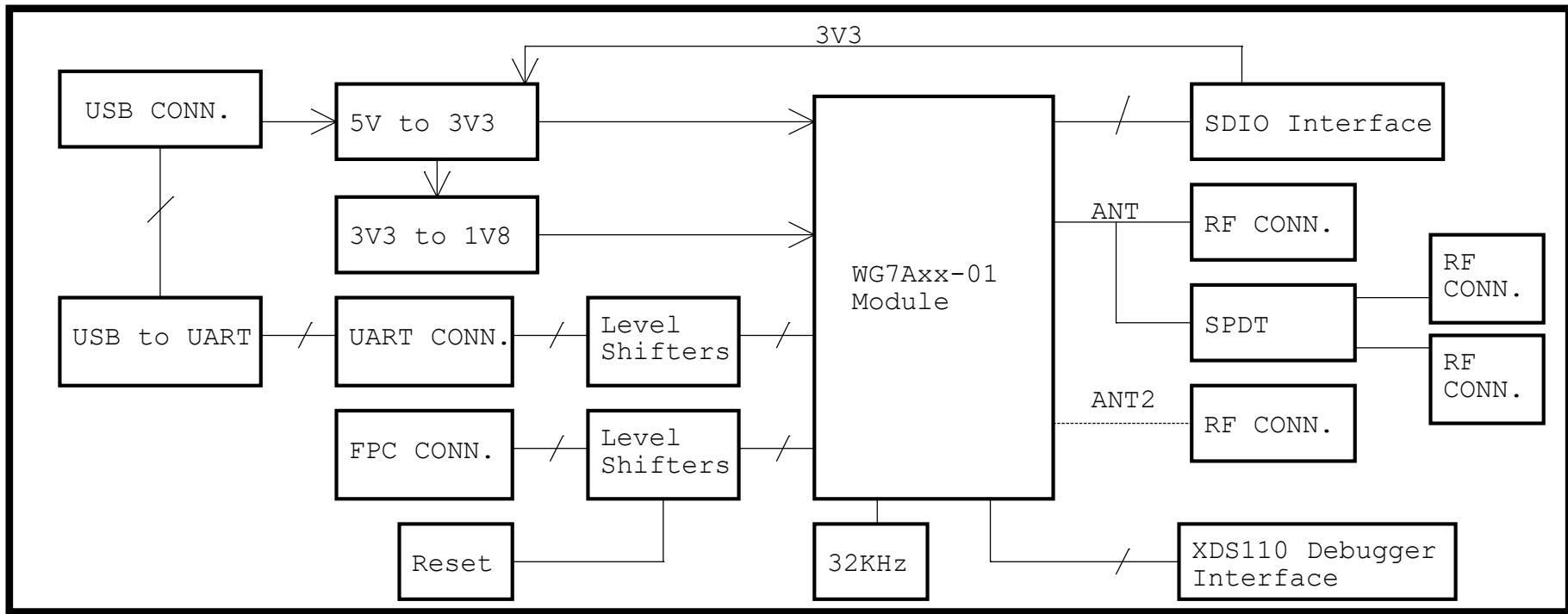
Thursday, September 26, 2024

Sheet

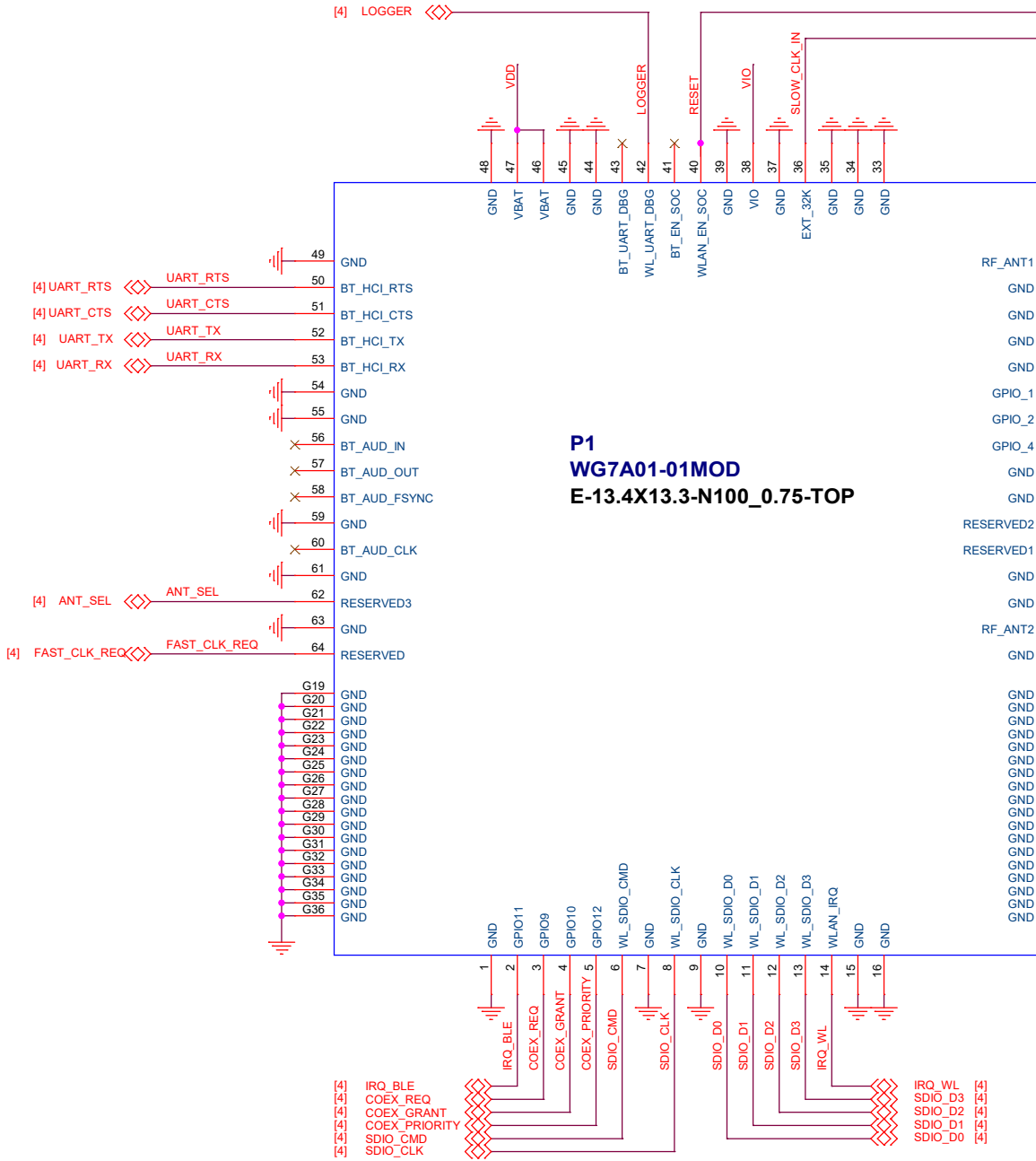
1

of

5



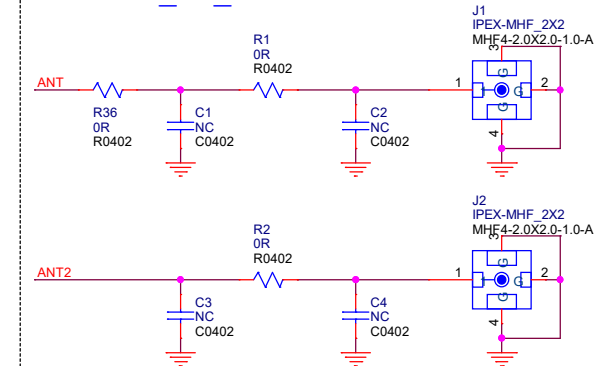
Model Name	Chipset	2.4GHz WLAN SISO (Wi-Fi 6)	5GHz WLAN SISO (Wi-Fi 6E)	6GHz WLAN SISO (Wi-Fi 6E)	Bluetooth Low Energy 5.3
WG7A00-01	CC3300	V			
WG7A01-01	CC3301	V			V
WG7A50-01	CC3350	V	V		
EUT WG7A51-01	CC3351	V	V		V
WG7A60-01	CC3360	V	V	V	
WG7A61-01	CC3361	V	V	V	V



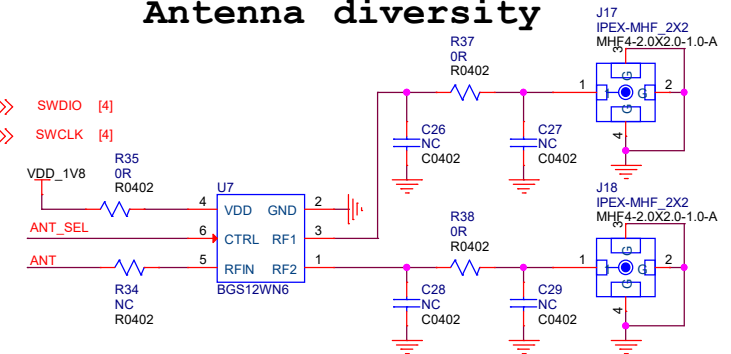
RF

RF_50_ohm Trace

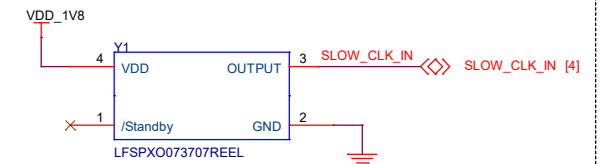
WIFI/BT



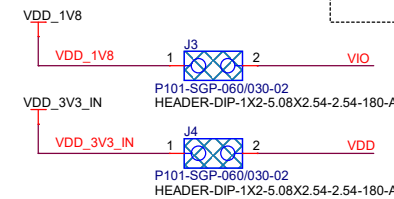
Antenna diversity



32.768KHz Clock Source



Current



JORJIN TECHNOLOGIES INC.			
WiFi Module			
Size B	Document Number	Rev D01	
WG7A51E01A-SCH			
Date:	Thursday, September 26, 2024	Sheet	3 of 5

Level Shifters

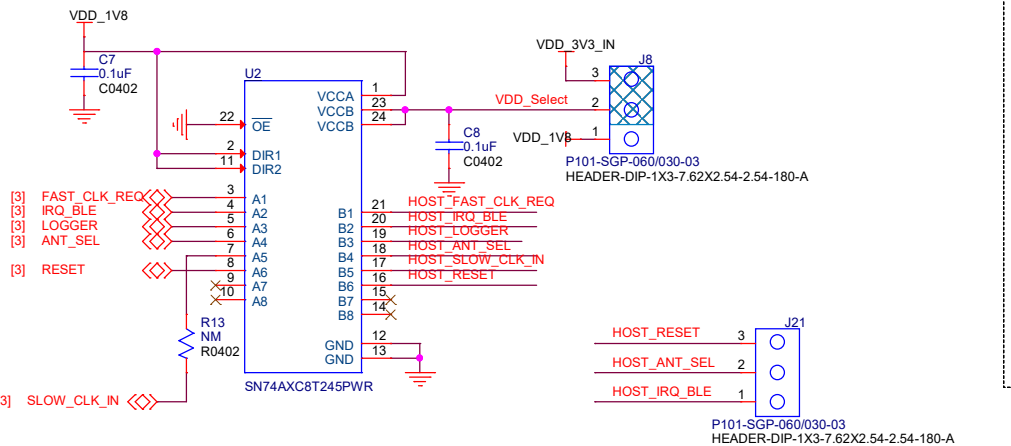
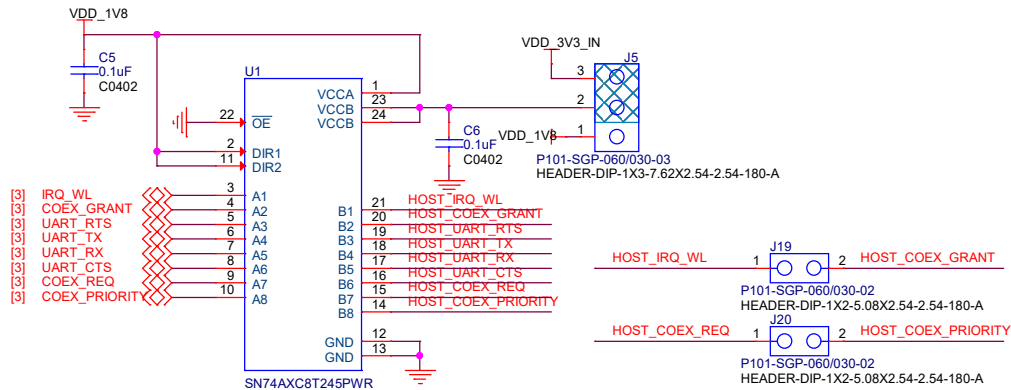
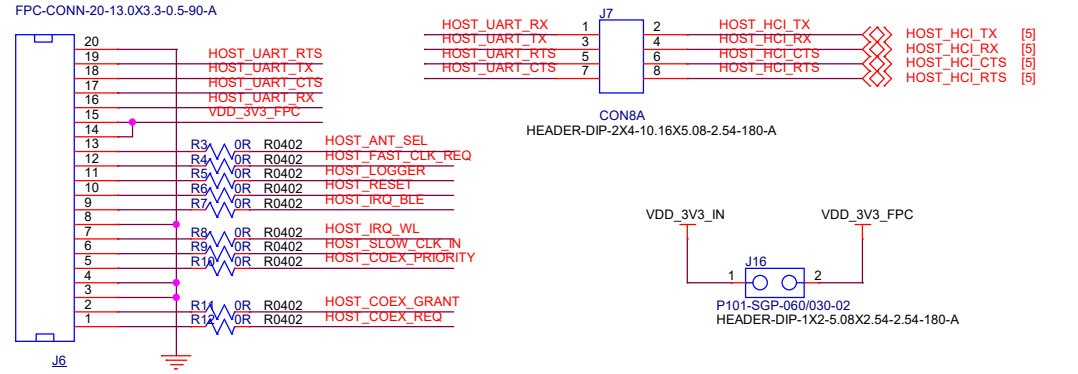


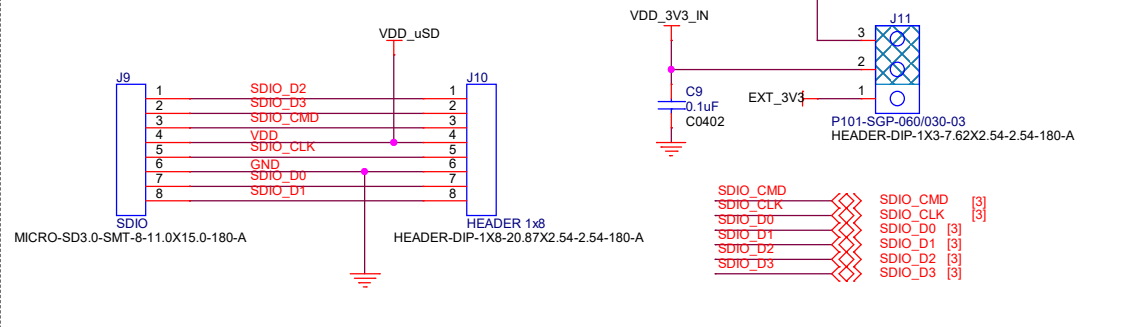
Table 1. Function Table⁽¹⁾

CONTROL INPUTS			Signal Direction	
OE	DIR1	DIR2	Bits 1:4	Bits 5:8
H	X	X	Disabled (Hi-Z)	
L	L	L	B to A	
L	L	H	B to A	A to B
L	H	L	A to B	
L	H	H	A to B	B to A

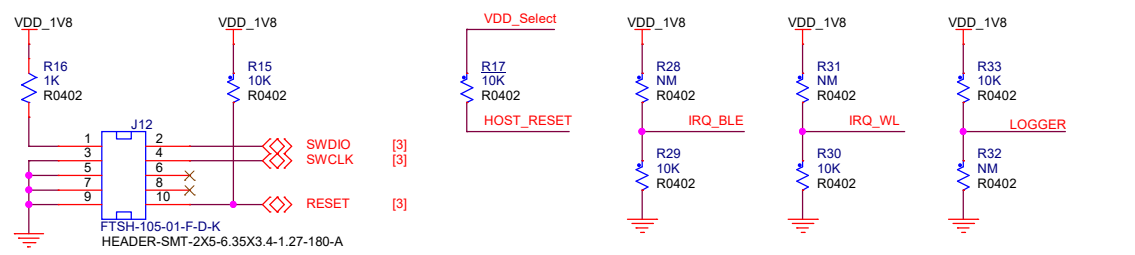
FPC



uSD Interface



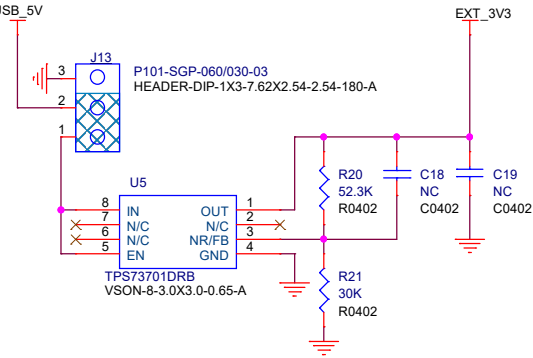
XDS110 Debugger



SoP MODES

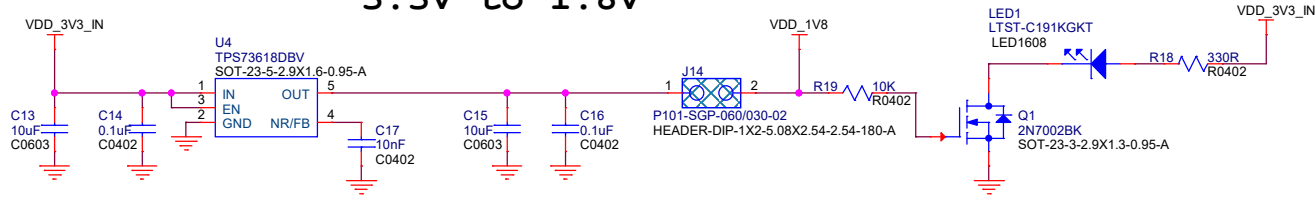
Title			Interface
Size	Document Number	Rev	D01
B	WG7A51E01A-SCH		
Date:	Thursday, September 26, 2024	Sheet	4 of 5

External Power Supply
5V to 3.3V

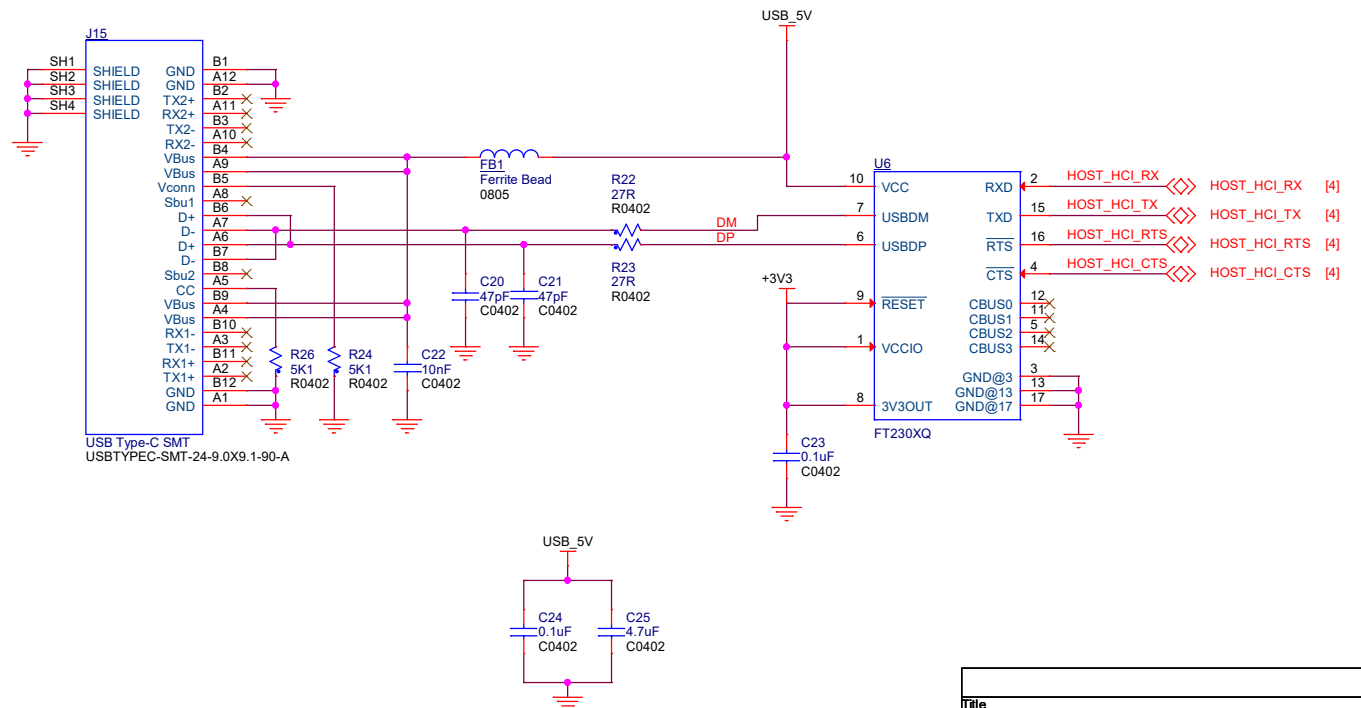


Resistor Values for Output Voltages:
3.3V => R22=52.3K / R23=30K

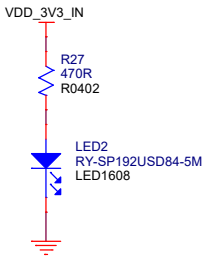
3.3V to 1.8V



UART to USB



Power Indicator LED



Title		
Power		
Size	Document Number	Rev
B	WG7A51E01A-SCH	D01
Date:	Thursday, September 26, 2024	Sheet 5 of 5