



Radxa CM5 IO Board

schematic

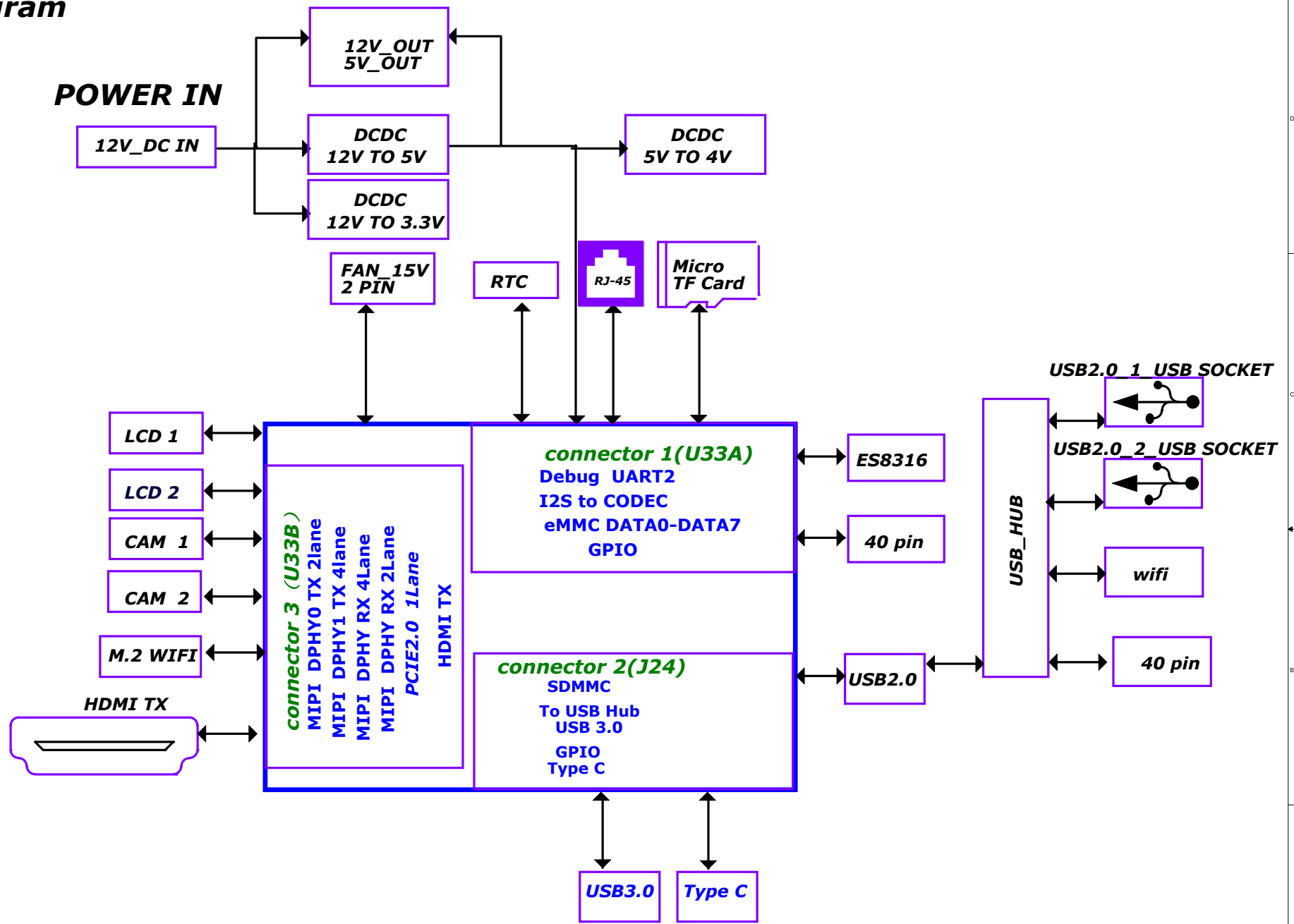
V2.2

Index

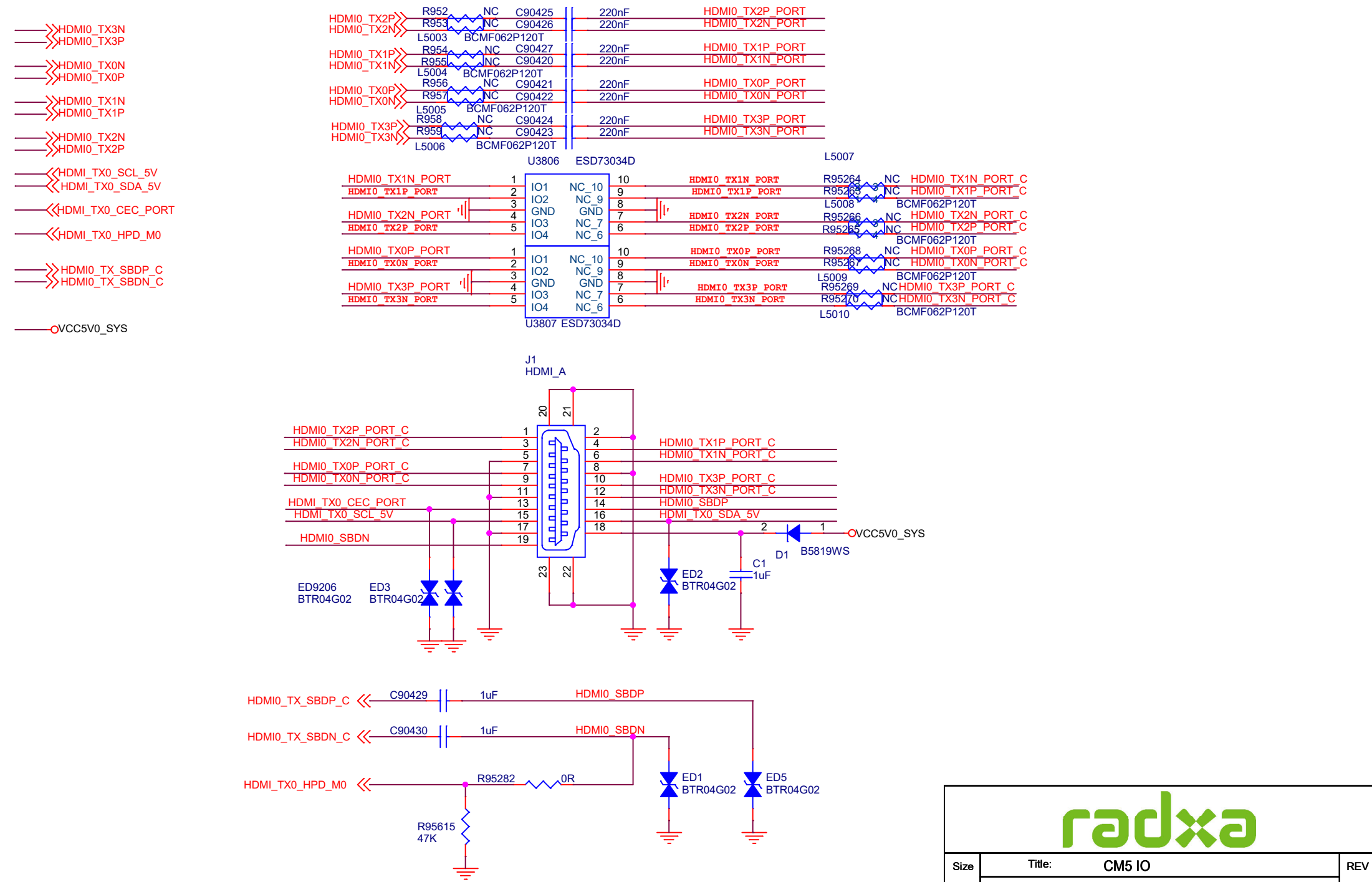
Page 1	01.Cover
Page 2	02.Index
Page 3	03.Block
Page 4	04_HDMII_TX
Page 5	05_Ethernet
Page 6	06_MicroSD_Card
Page 7	07_PCIE_WIFI
Page 8	08_AUDIO
Page 9	09_MIPI_LCD_TX0
Page 10	10_MIPI_LCD_TX1
Page 11	11_MIPI_CAM_RX
Page 12	12_USB_HUB
Page 13	13_USB30_USB20
Page 14	14_FAN_RTC
Page 15	15_Power_DCIN
Page 16	16_40PIN_Connector
Page 17	17_Connector
Page 18	18_Type_C
Page 19	19_KEY_LED



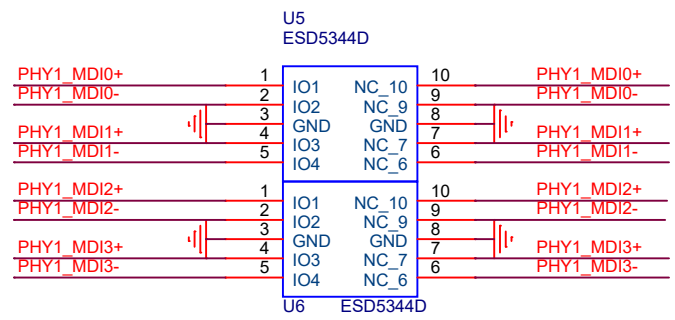
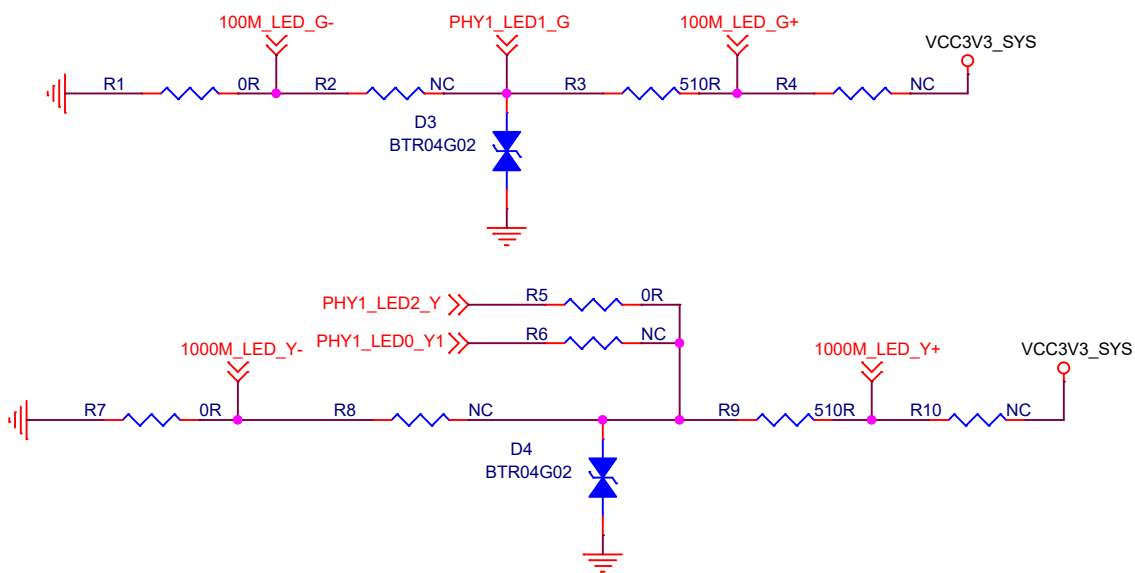
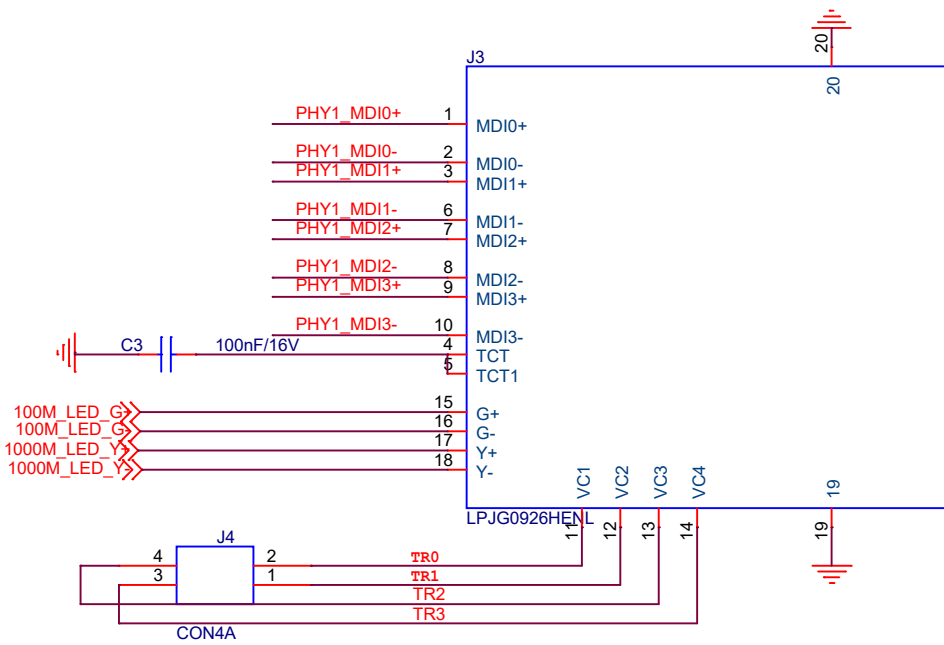
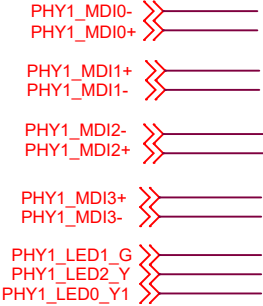
Block Diagram



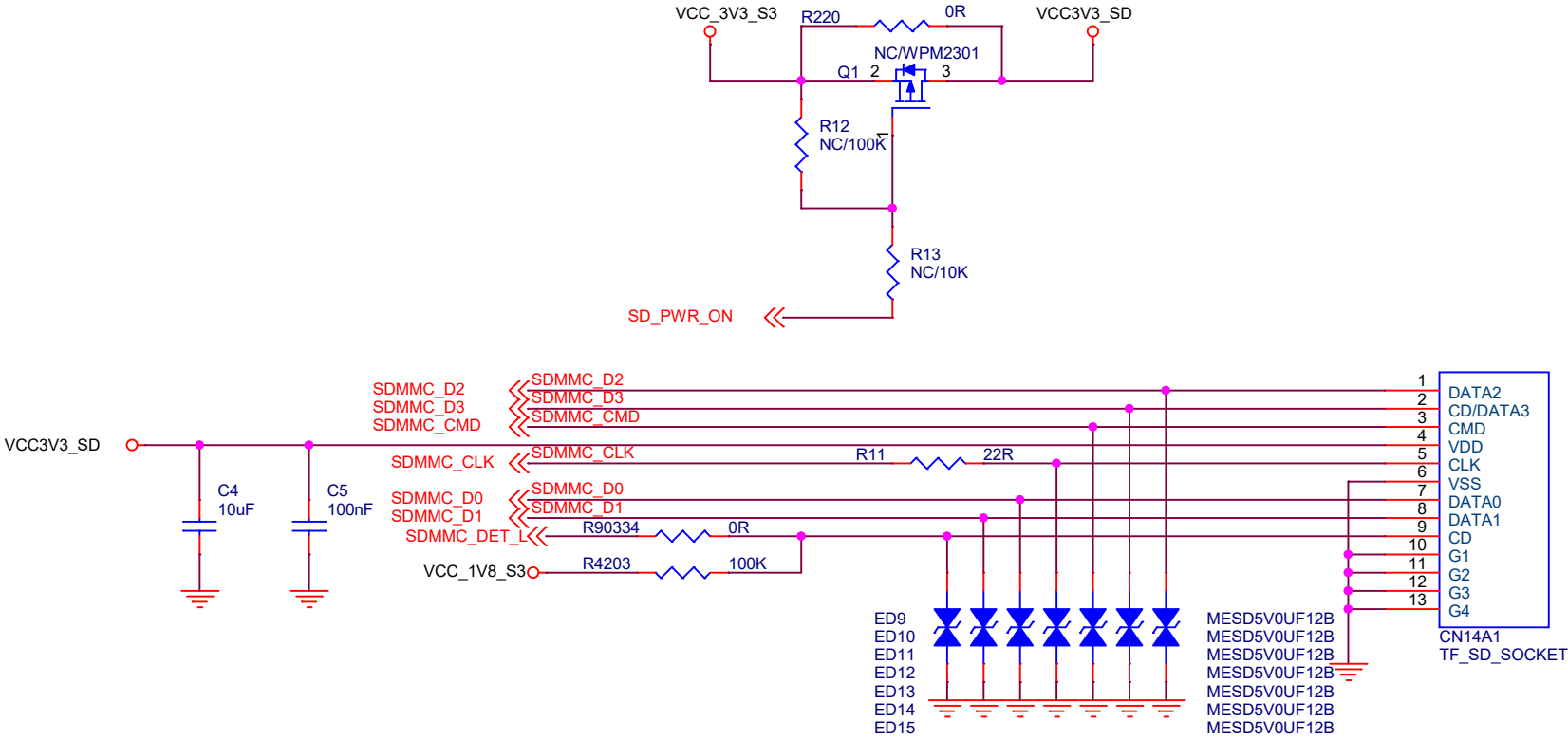
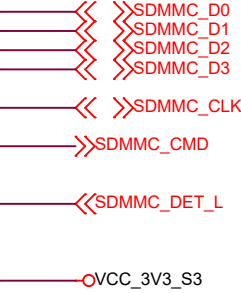
HDMI TX



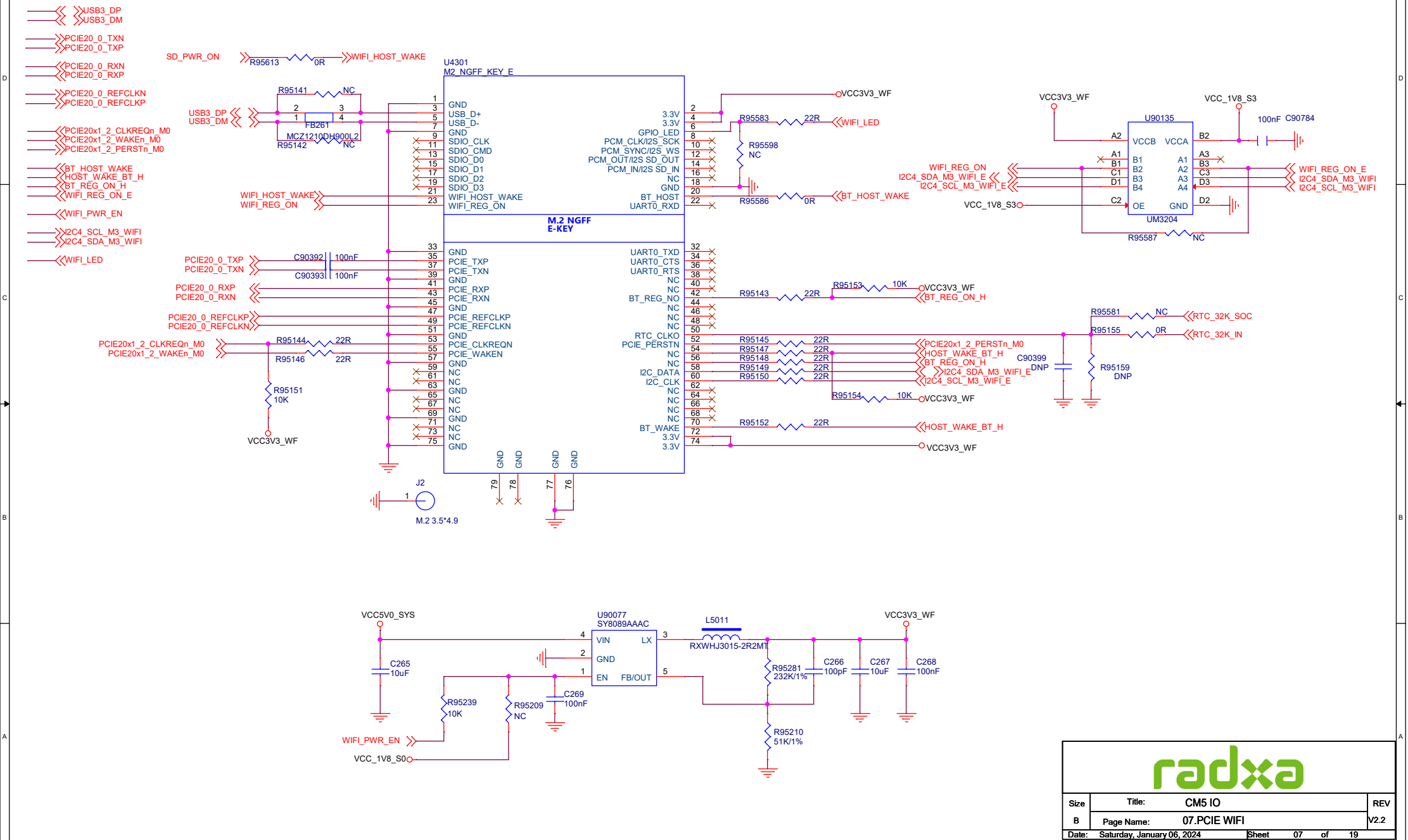
RJ45



MicroSD Card

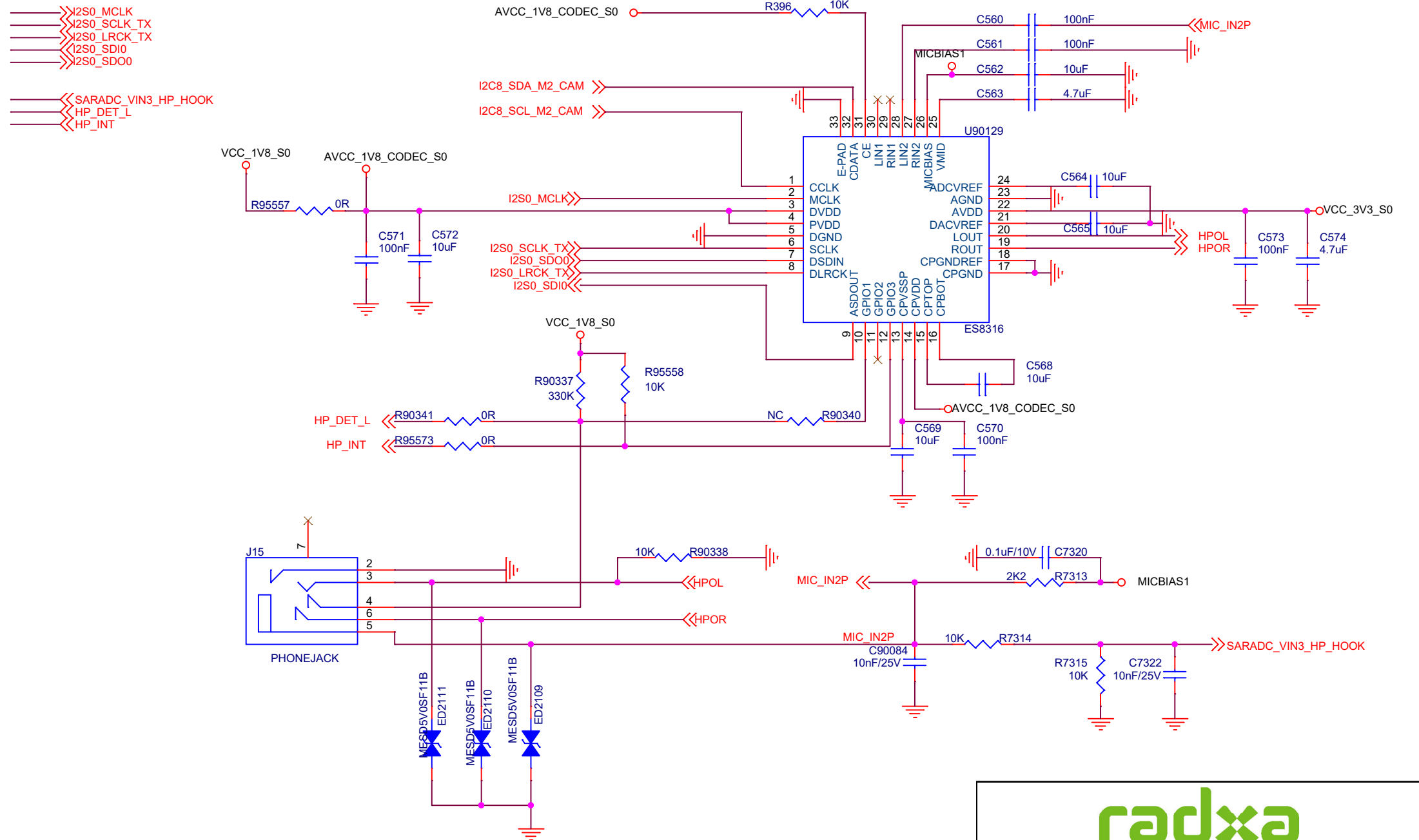


PCIE WIFI/BT MODULE



radxa		
Size	Title: CM5 IO	REV
B	Page Name: 07.PCIE WIFI	V2.2
Date:	Saturday, January 06, 2024	Sheet 07 of 19

CODEC ES8316

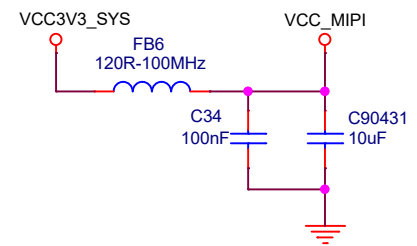
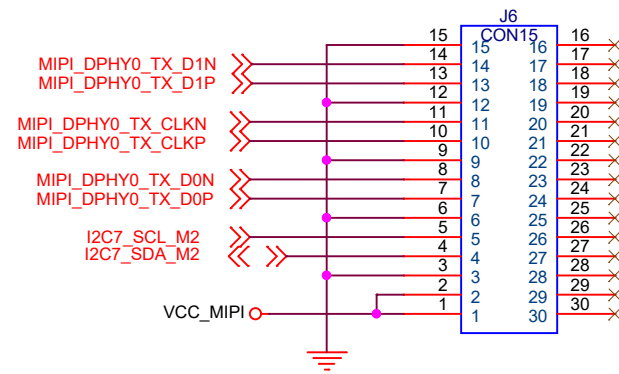




Size	Title: CM5 IO	REV
A4	Page Name: 08.Audio CODEC	V2.2
Date: Saturday, January 06, 2024	Sheet 08 of 19	

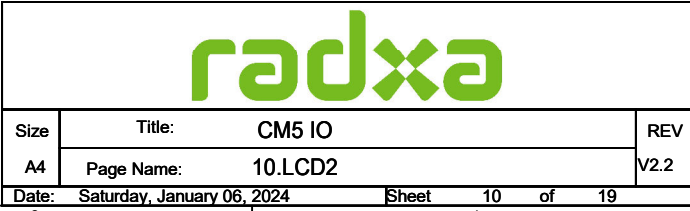
MIPI_DSI_TX 1

LCD0



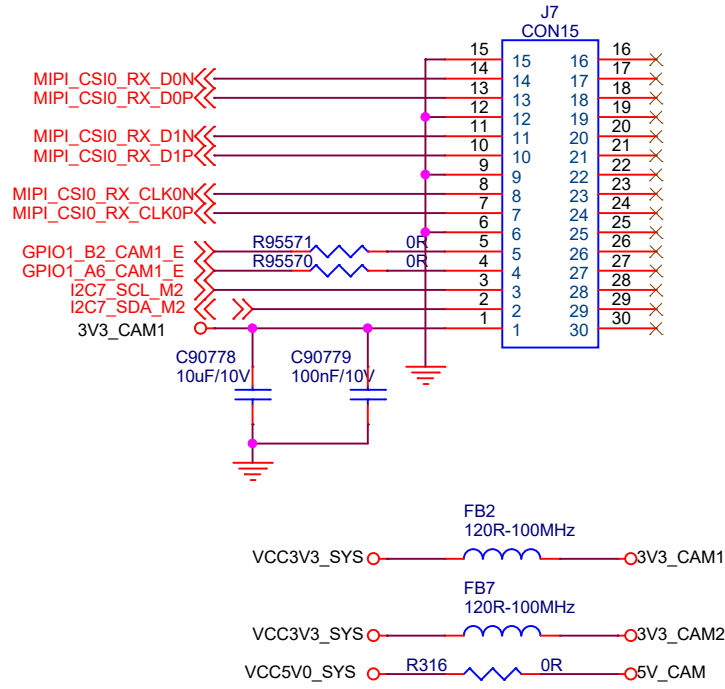
Size	Title: CM5 IO	REV
A4	Page Name: 09.LCD1	V2.2
Date: Saturday, January 06, 2024	Sheet 09 of 19	

LCD1

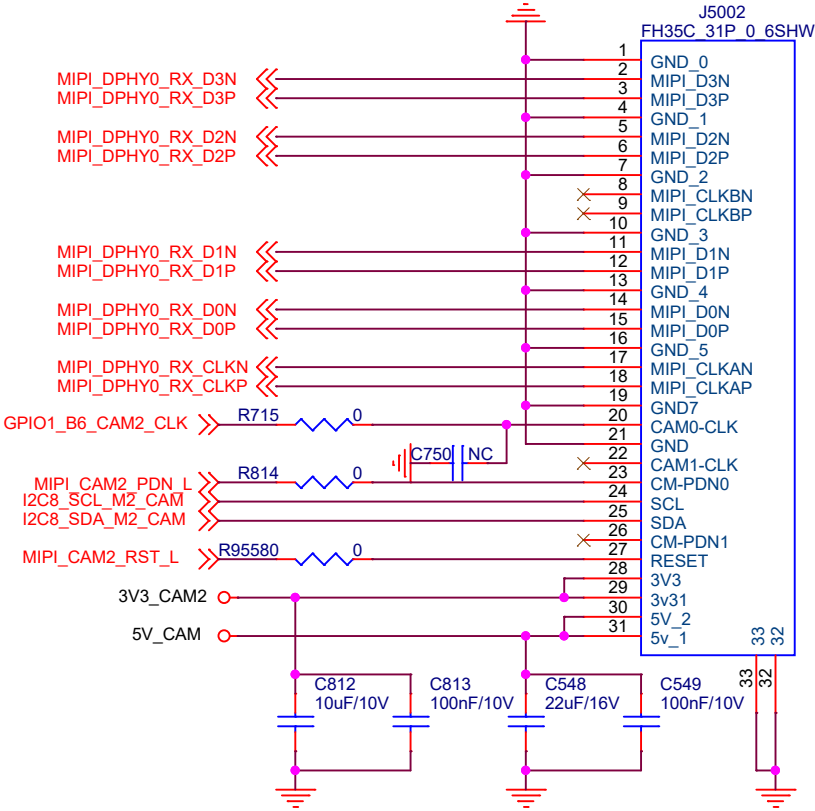


MIPI_CSI_RX

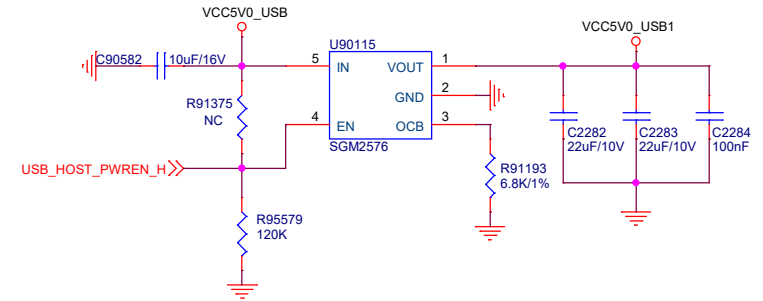
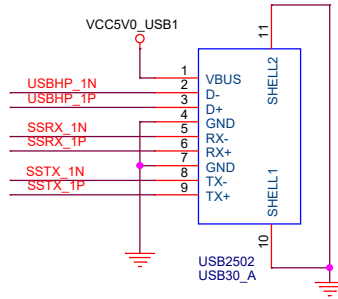
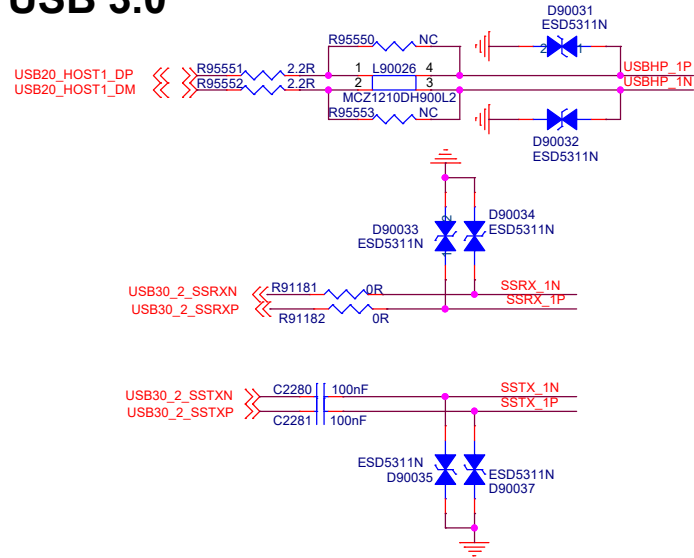
Camera 0



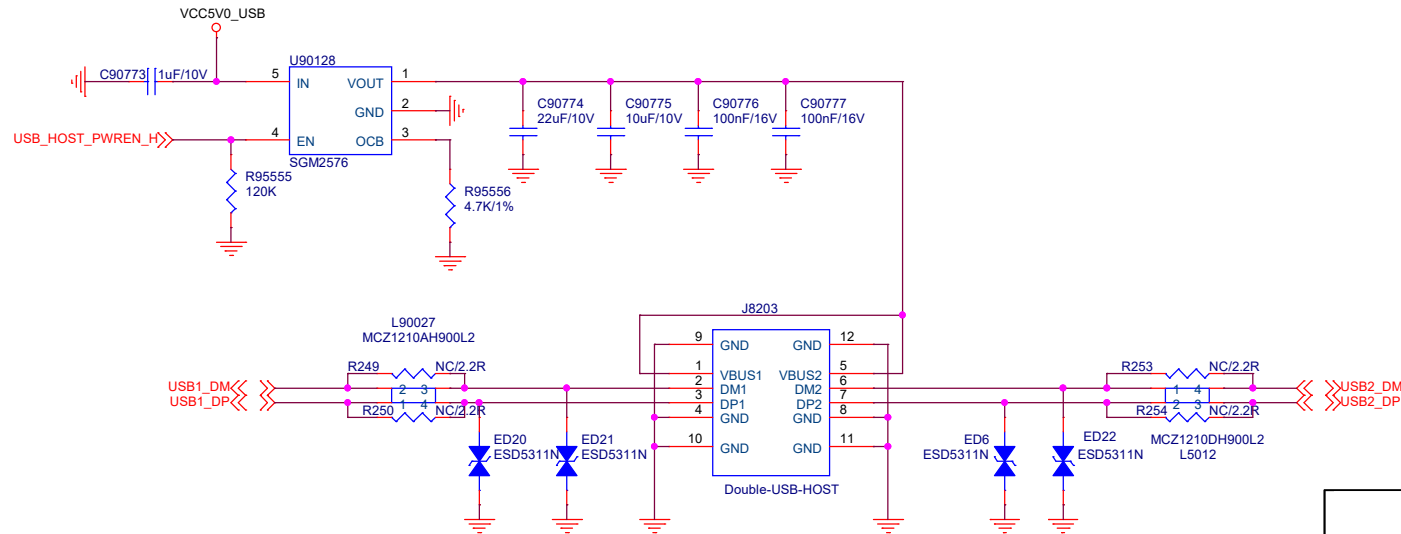
Camera 1



USB 3.0

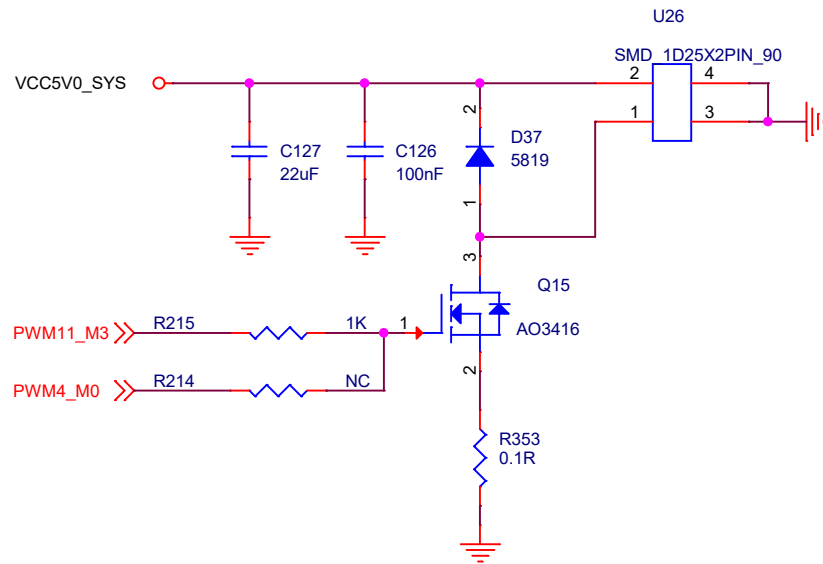


USB 2.0

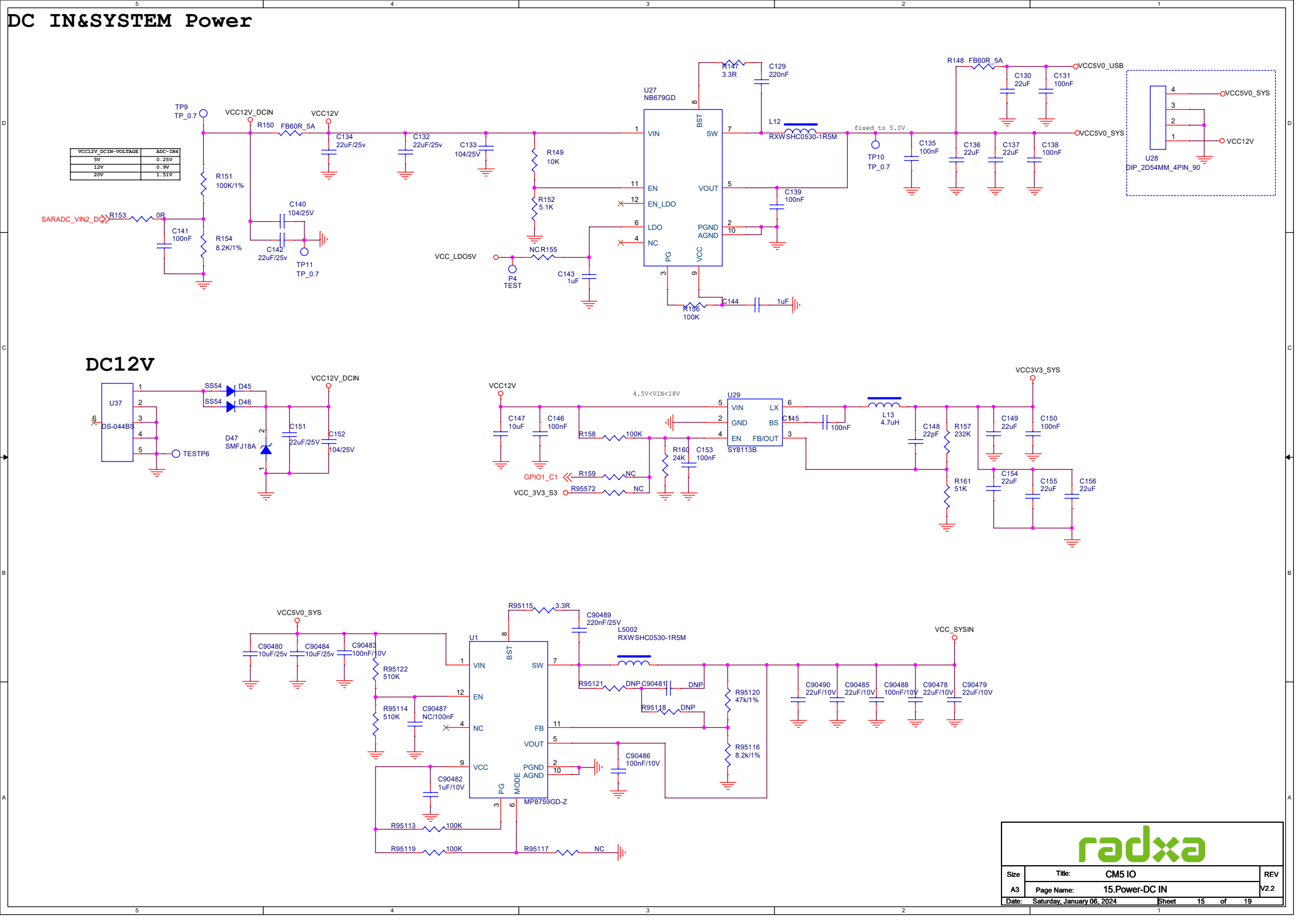


radxa		
Size	Title: CM5 IO	REV
B	Page Name: 13.USB HOST	V2.2
Date:	Saturday, January 06, 2024	Sheet 13 of 19

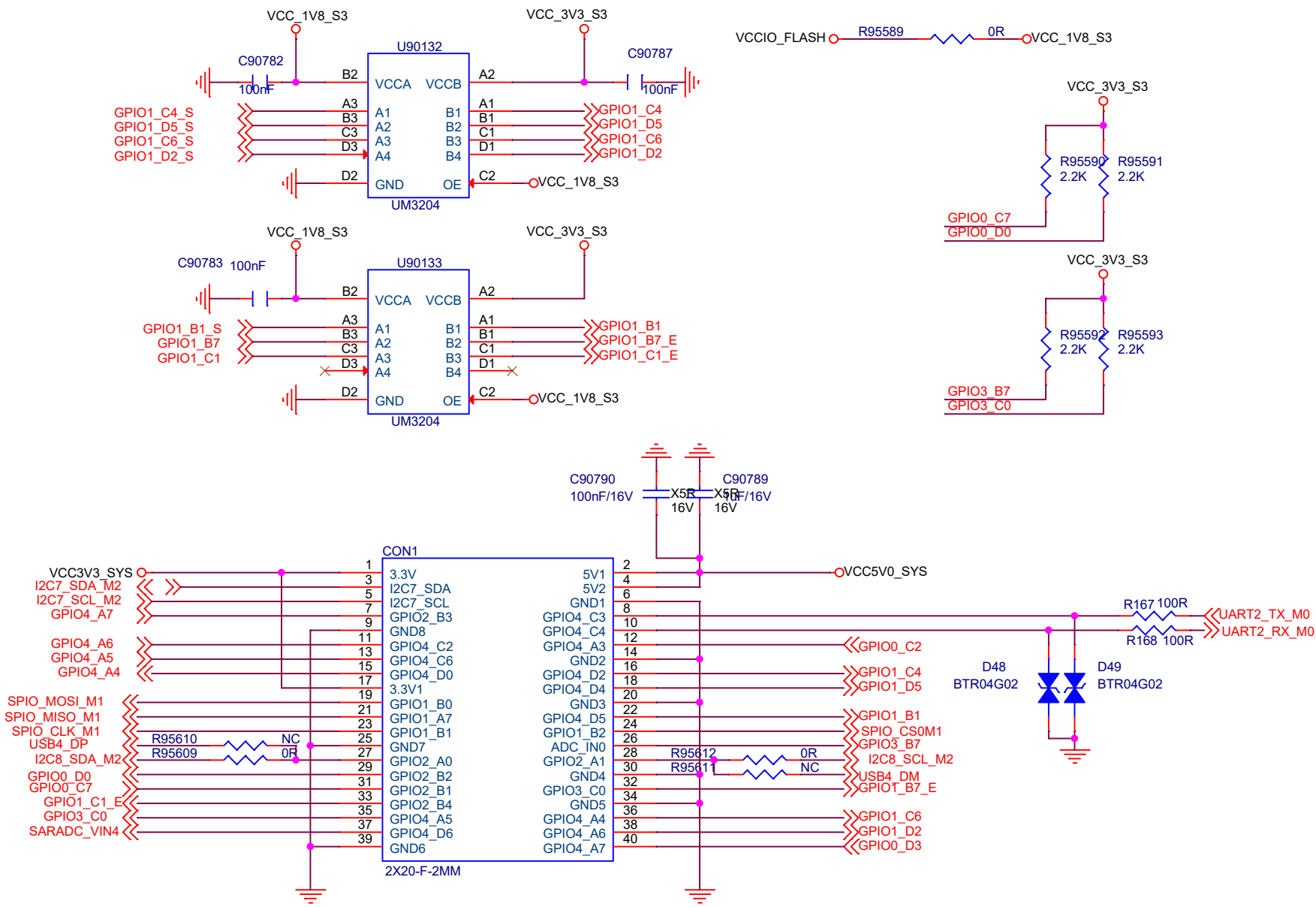
FAN



Size	Title: CM5 IO	REV
A4	Page Name: 14.FAN_RTC	V2.2
Date:	Saturday, January 06, 2024	Sheet 14 of 19

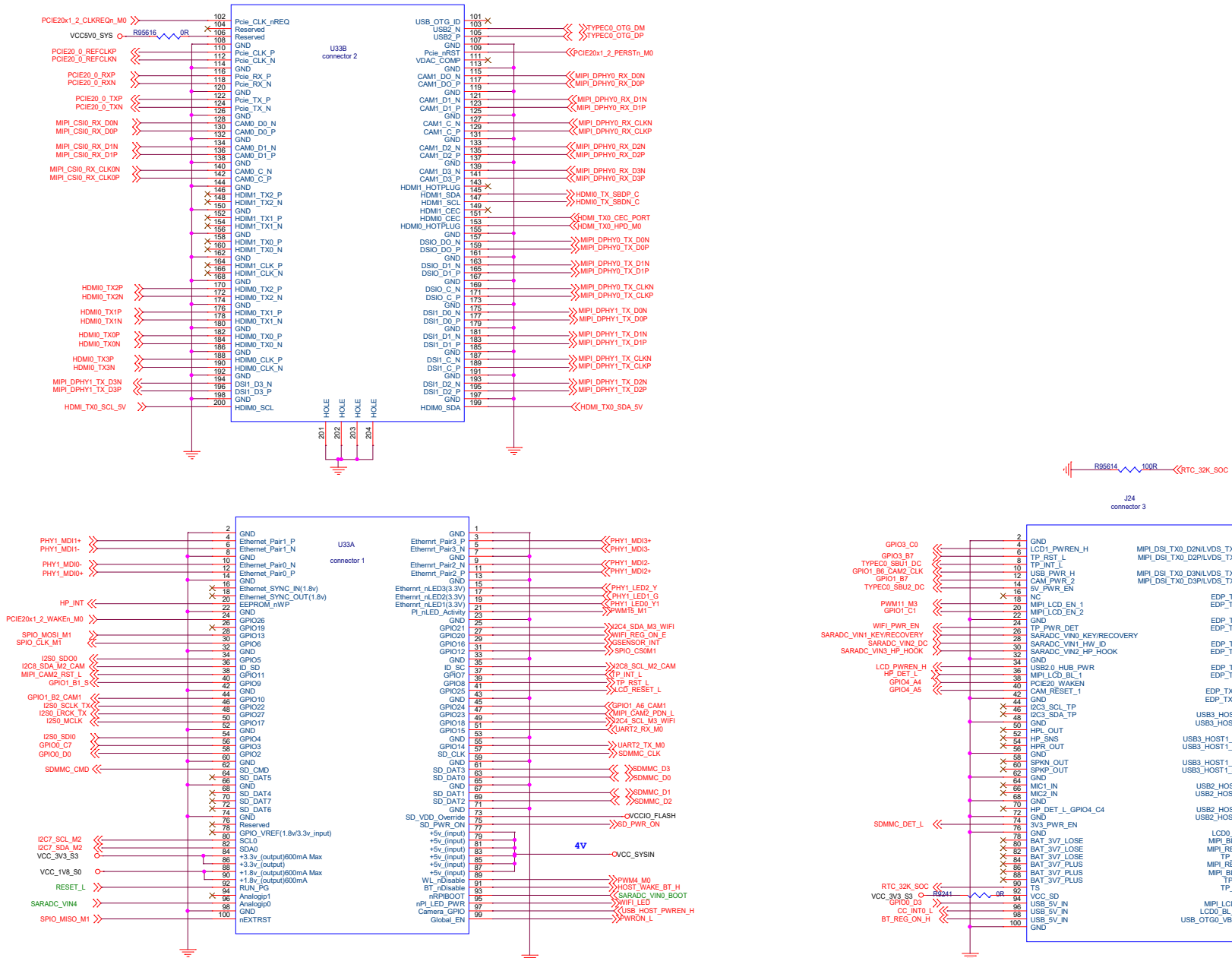


40PIN Connector



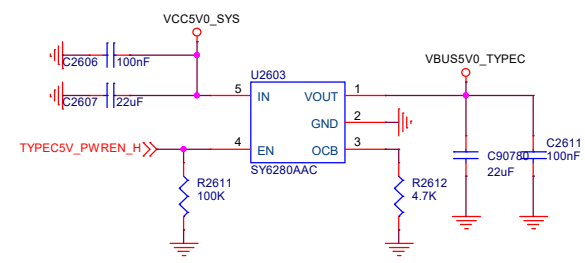
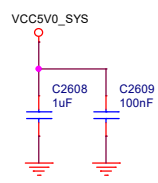
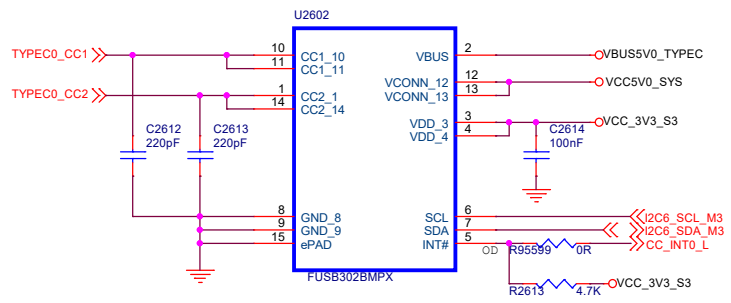
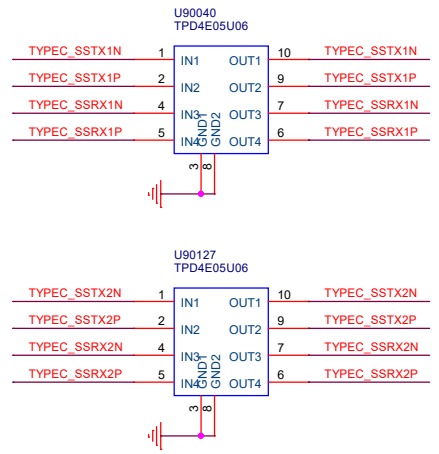
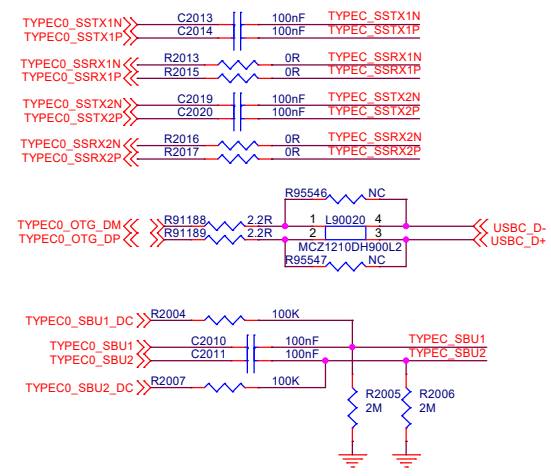
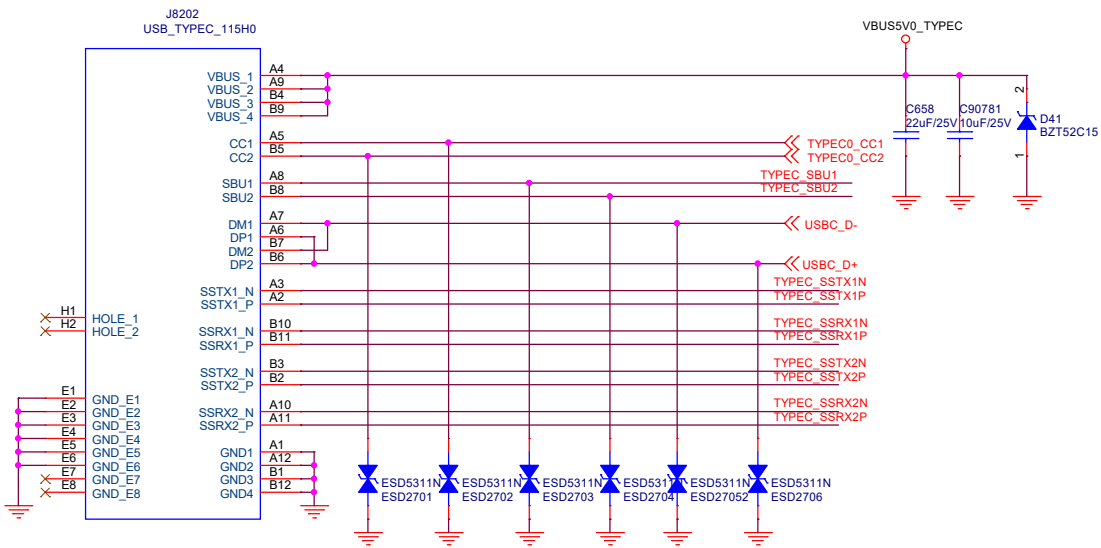
Size	Title: CM5 IO	REV
A4	Page Name: 16.40PIN Connector	V2.2
Date:	Saturday, January 06, 2024	Sheet 16 of 19

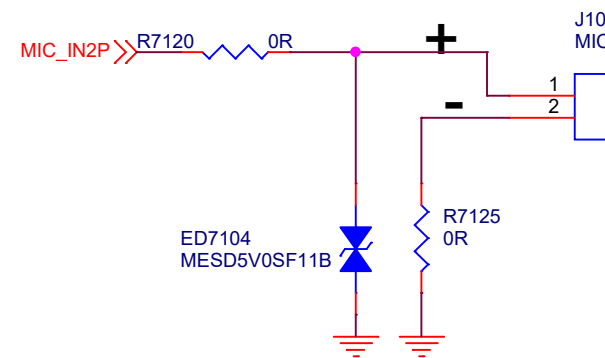
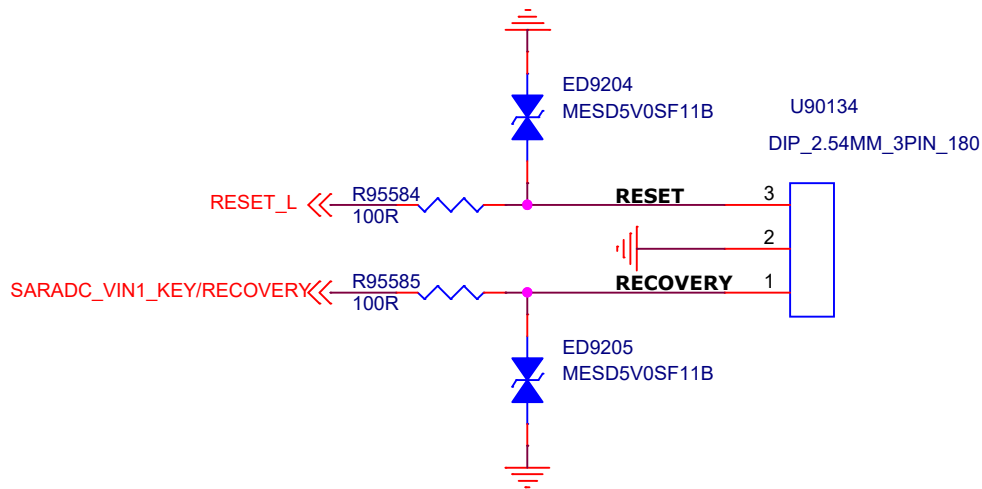
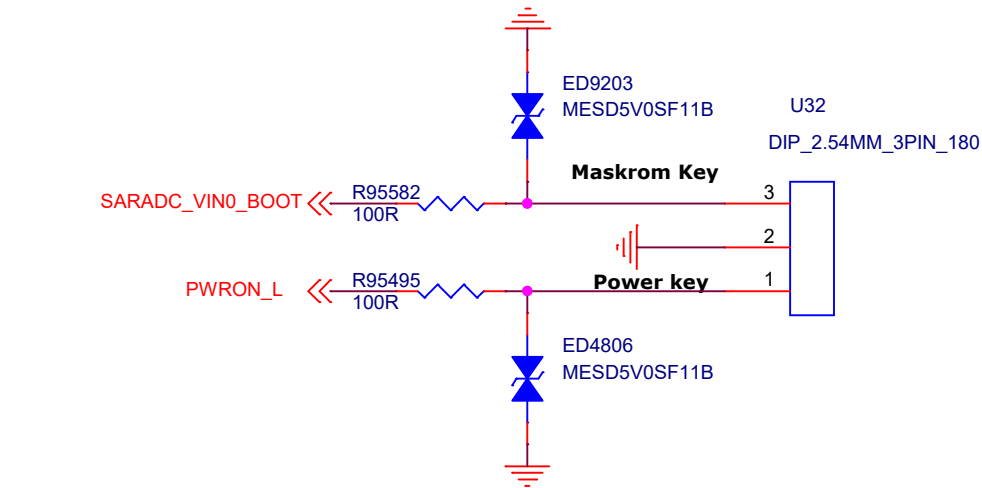
100 pin Connector



Size	Title: CM5 IO	REV
C	Page Name: 17.connector	V2.2
Date:	Saturday, January 06, 2024	Sheet 17 of 19

Type C





radxa

Size	Title: CM5 IO	REV
A	Page Name: 19.KEY	V2.2
Date: Saturday, January 06, 2024	Sheet 19 of 19	