



Radxa CM5 IO Board

schematic

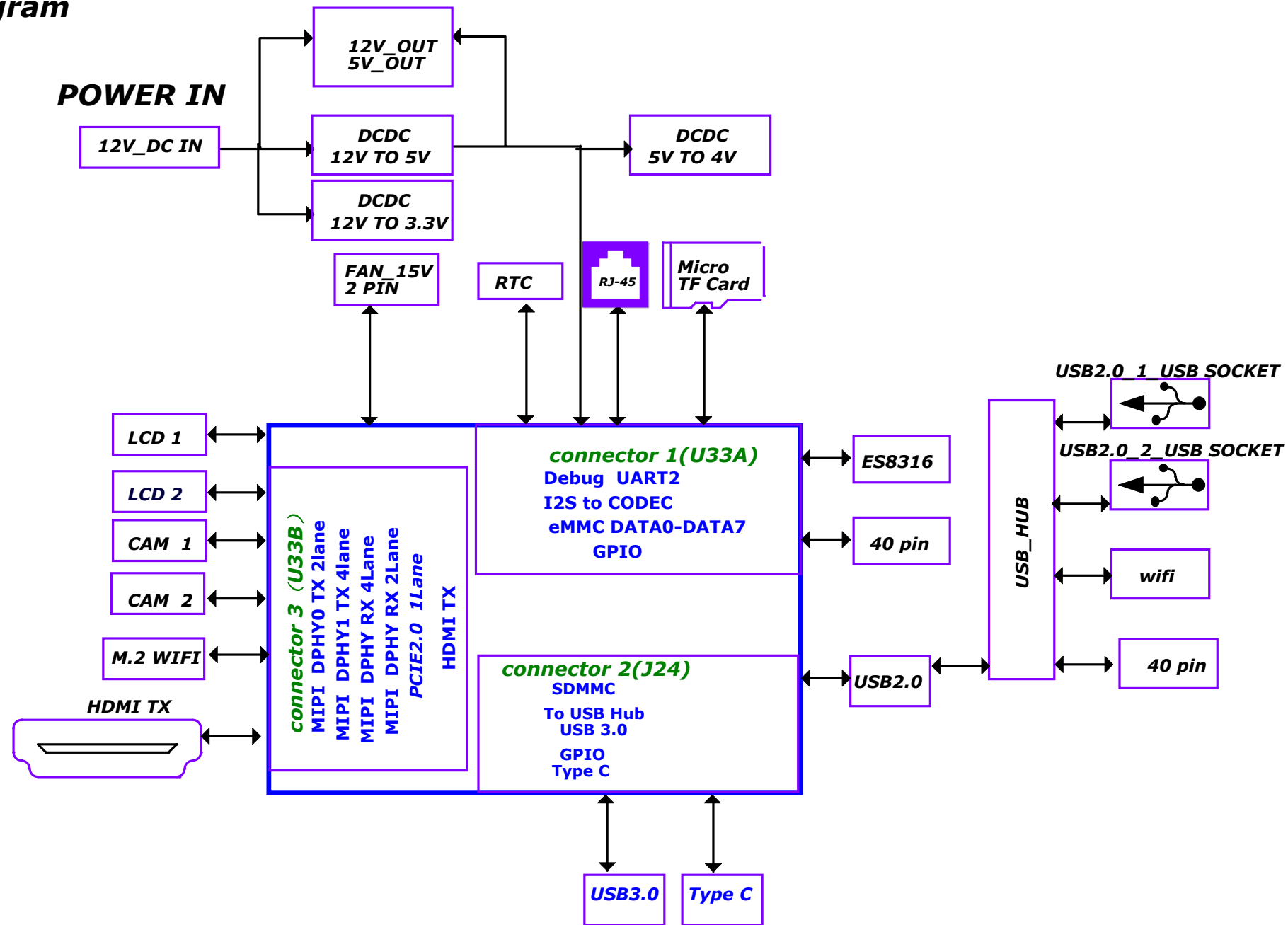
V2.2

Index

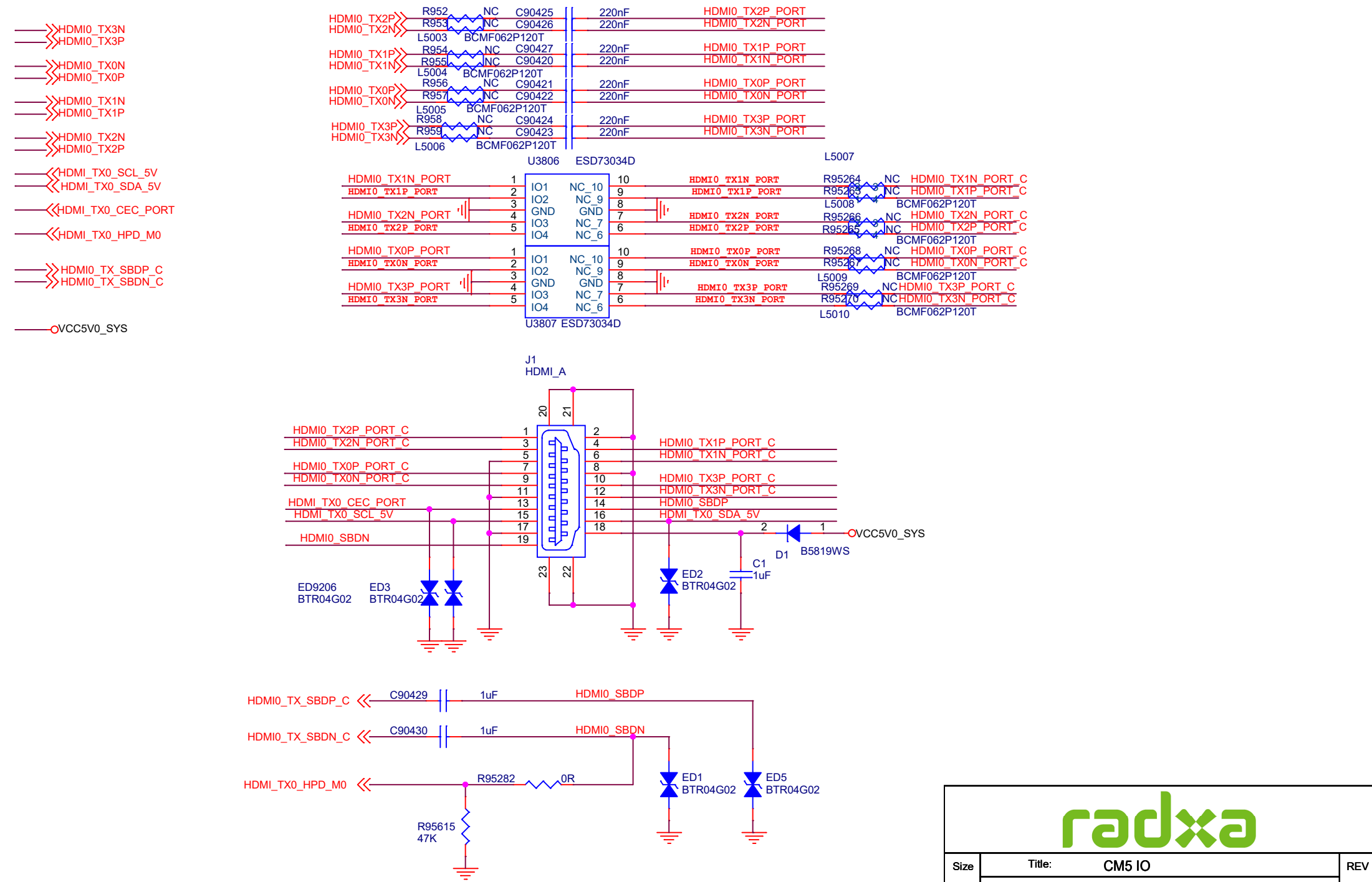
Page 1	01.Cover
Page 2	02.Index
Page 3	03.Block
Page 4	04_HDMII_TX
Page 5	05_Ethernet
Page 6	06_MicroSD_Card
Page 7	07_PCIE_WIFI
Page 8	08_AUDIO
Page 9	09_MIPI_LCD_TX0
Page 10	10_MIPI_LCD_TX1
Page 11	11_MIPI_CAM_RX
Page 12	12_USB_HUB
Page 13	13_USB30_USB20
Page 14	14_FAN_RTC
Page 15	15_Power_DCIN
Page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



Block Diagram

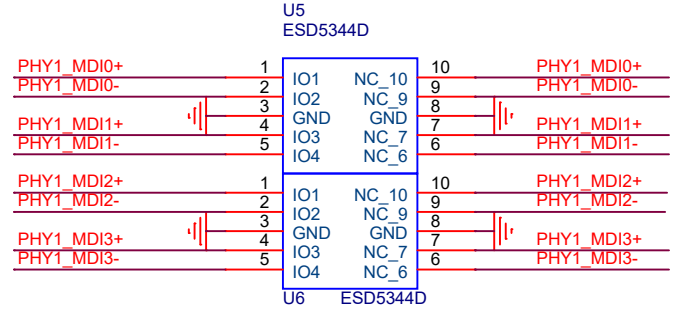
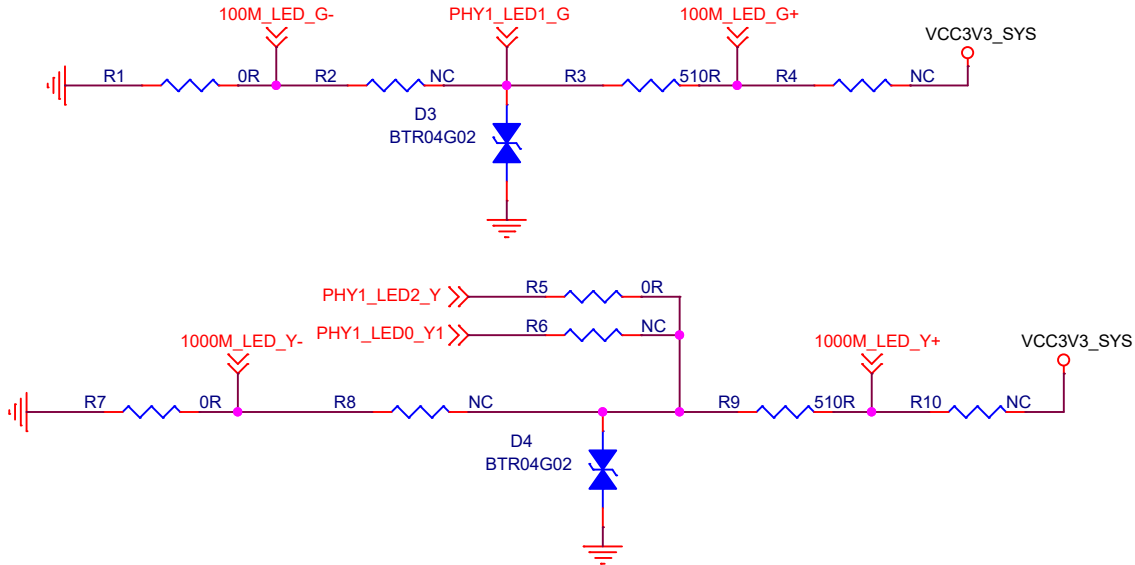
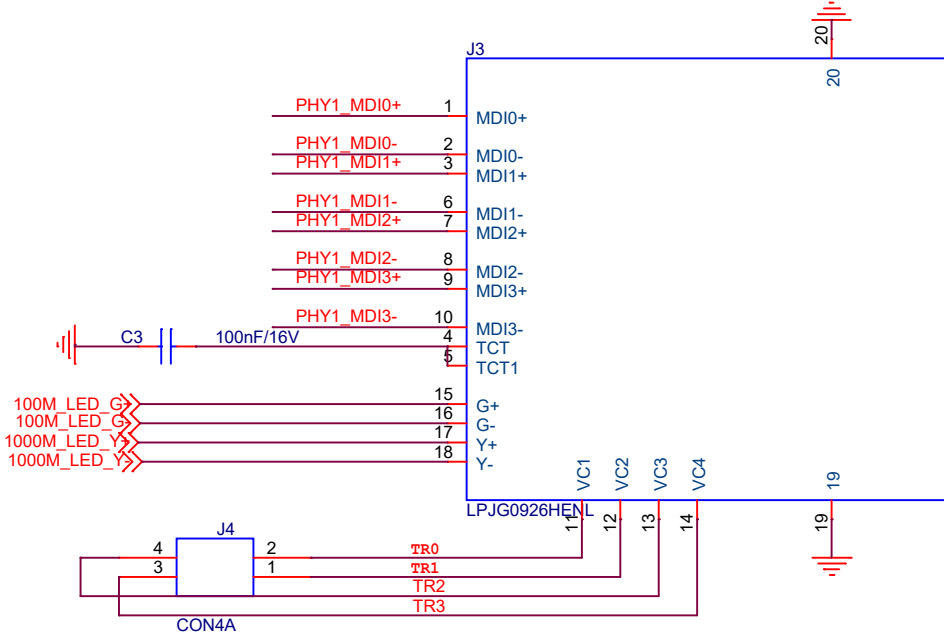
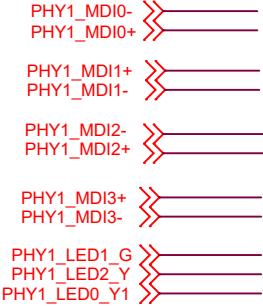


HDMI TX

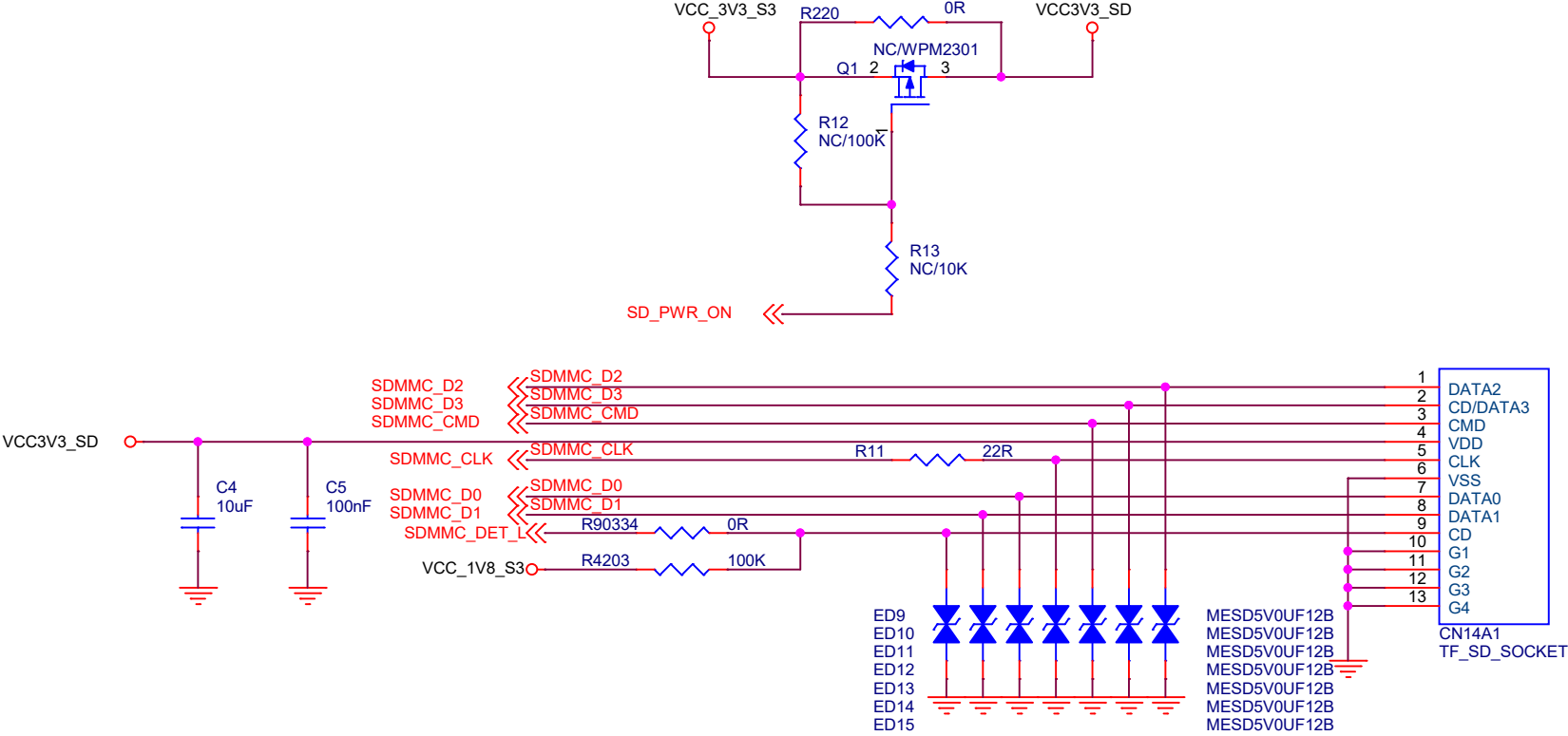
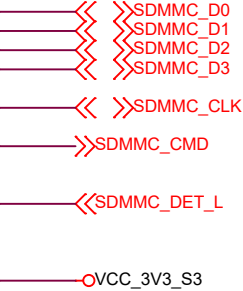


Size	Title: CM5 IO	REV
A4	Page Name: 04.HDMI TX	V2.2
Date:	Wednesday, February 28, 2024	Sheet 04 of 19

RJ45

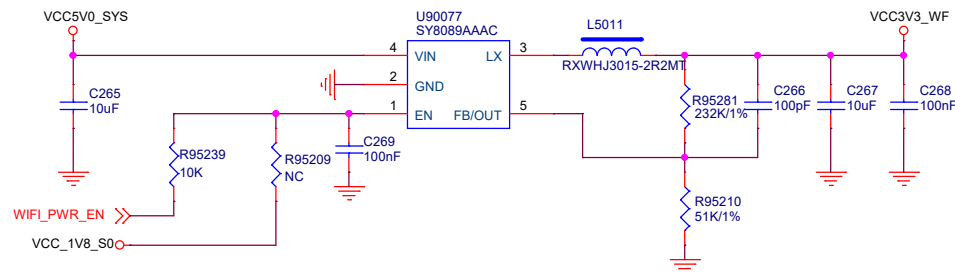
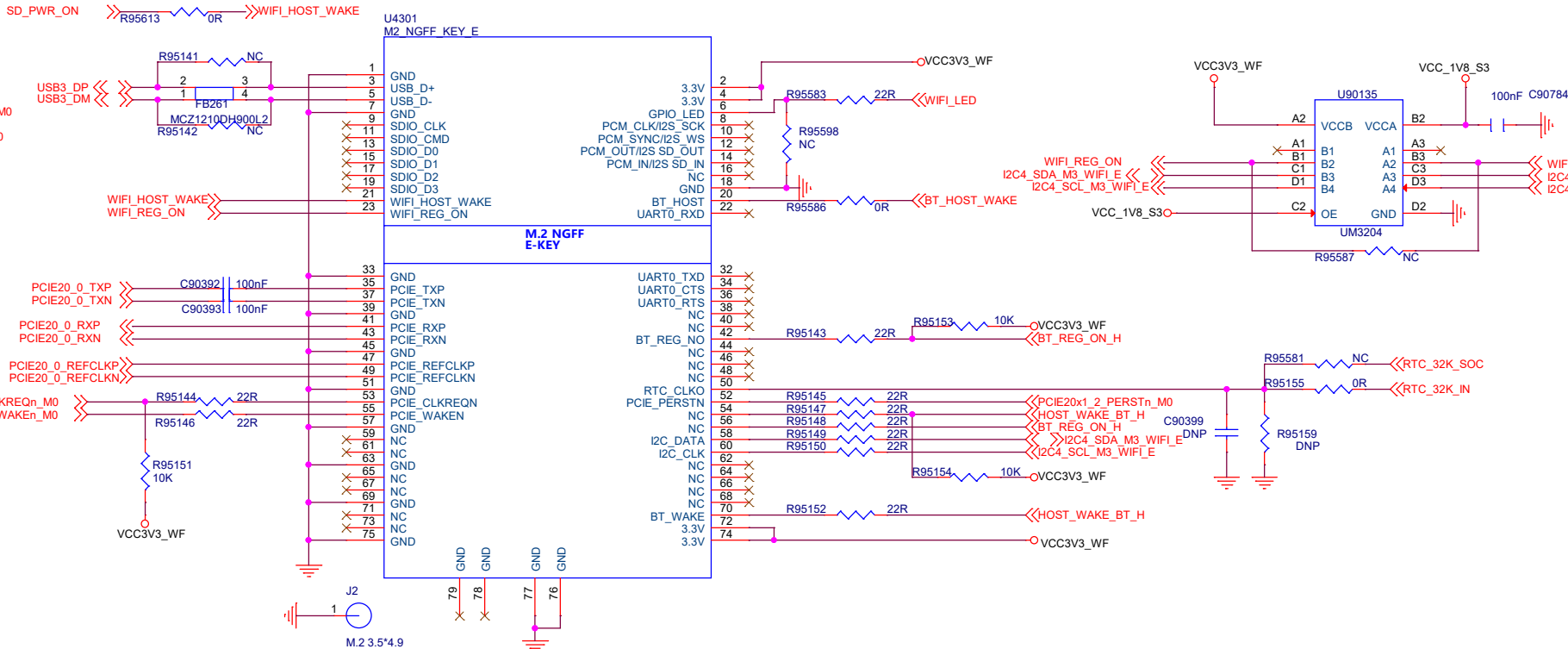


MicroSD Card



Size	Title: CM5 IO	REV
A4	Page Name: 06.MicroSD Card	V2.2
Date: Wednesday, February 28, 2024	Sheet 06 of 19	

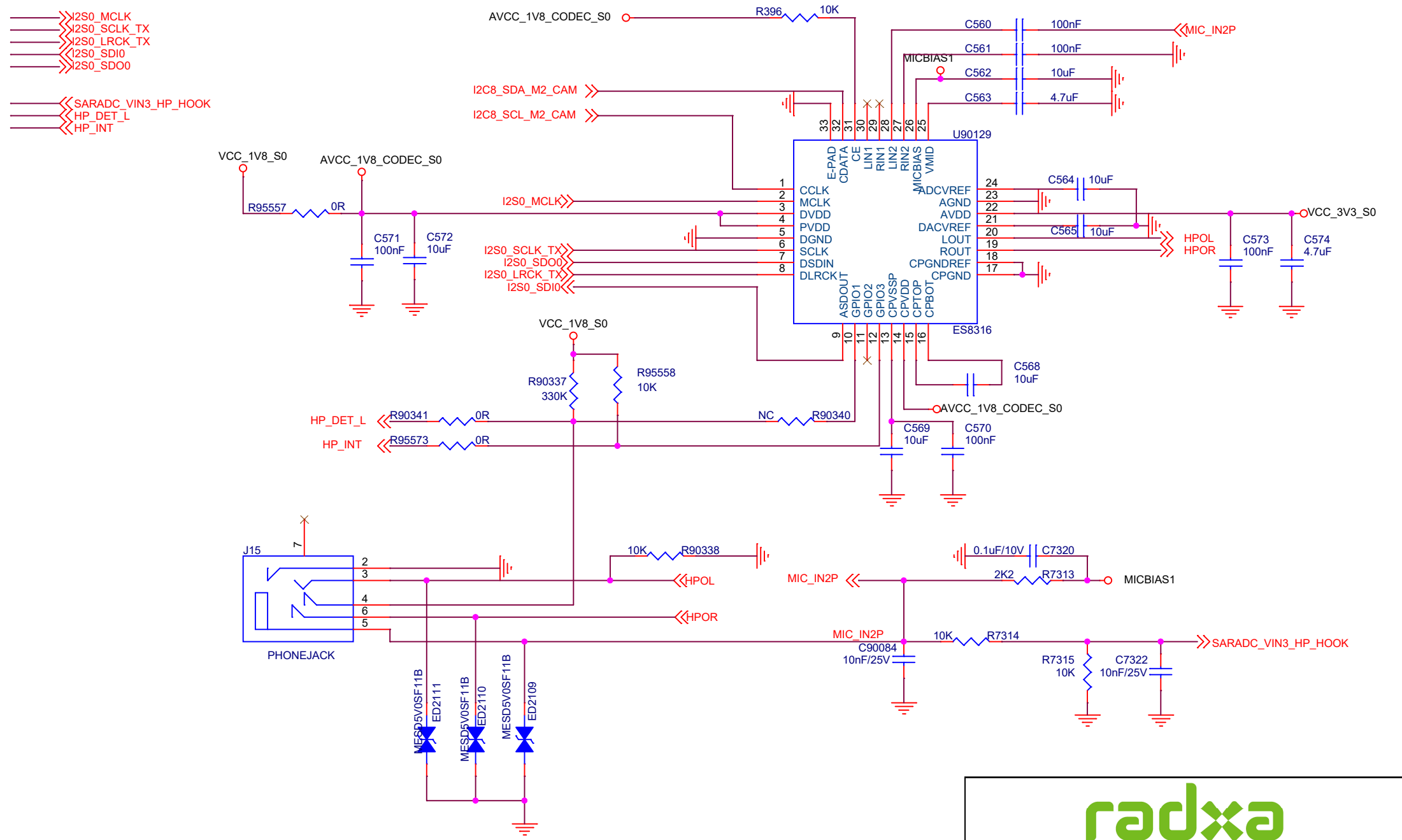
PCIE WIFI/BT MODULE




radxa

Size	Title: CM5 IO	REV
B	Page Name: 07.PCIE WIFI	V2.2
Date:	Wednesday, February 28, 2024	Sheet 07 of 19

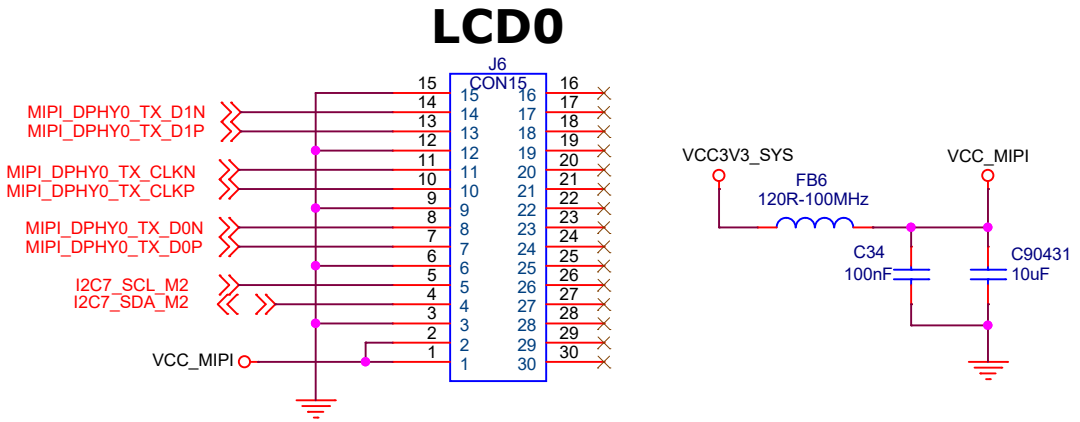
CODEC ES8316





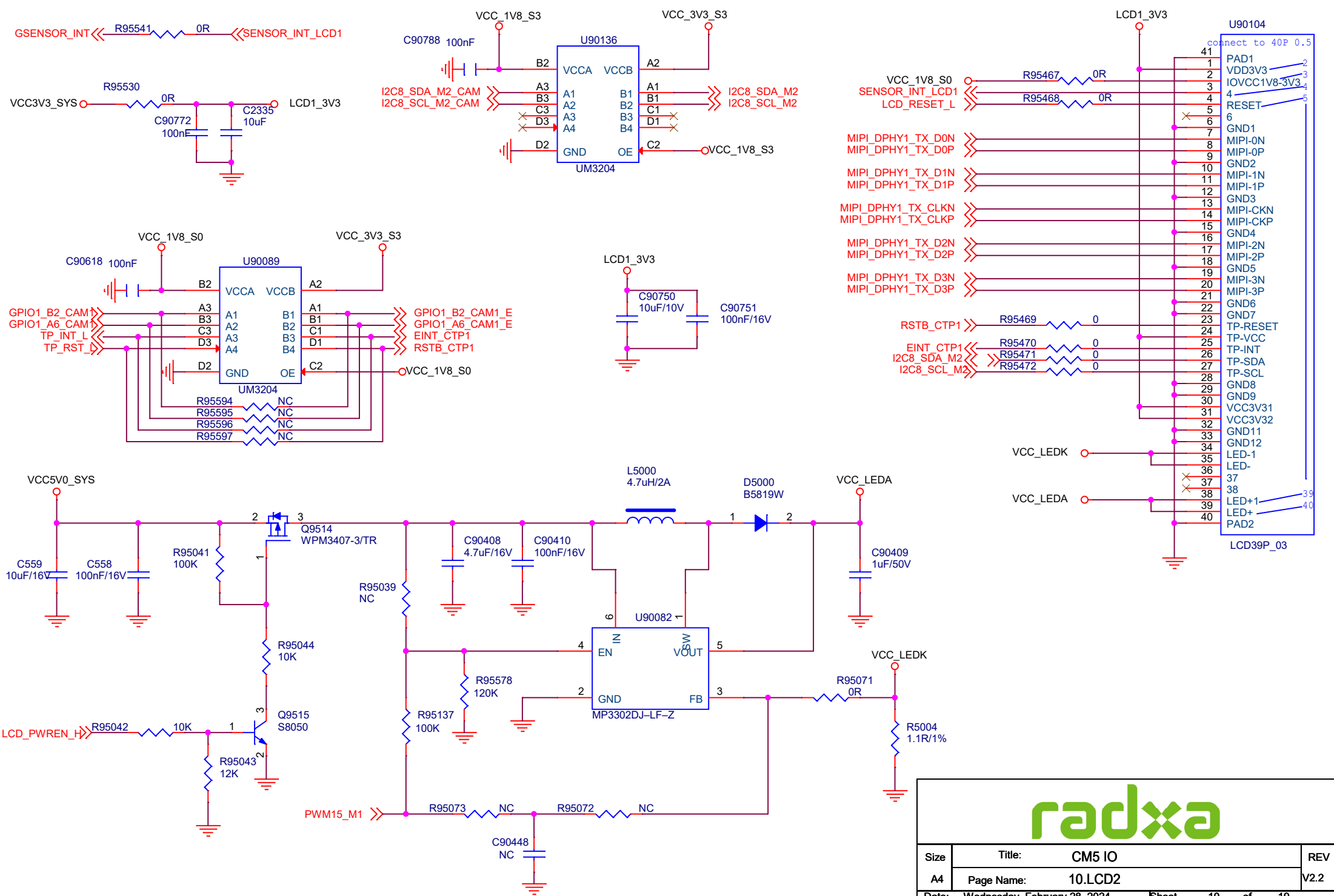
Size	Title: CM5 IO	REV
A4	Page Name: 08.Audio CODEC	V2.2
Date: Wednesday, February 28, 2024	Sheet 08 of 19	

MIPI_DSI_TX 1



MIPI DPHY1 TX2

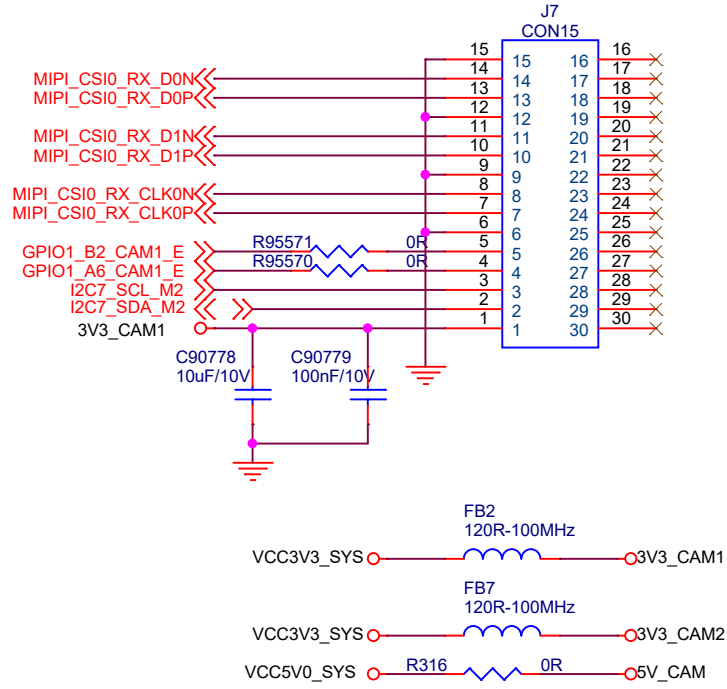
LCD1



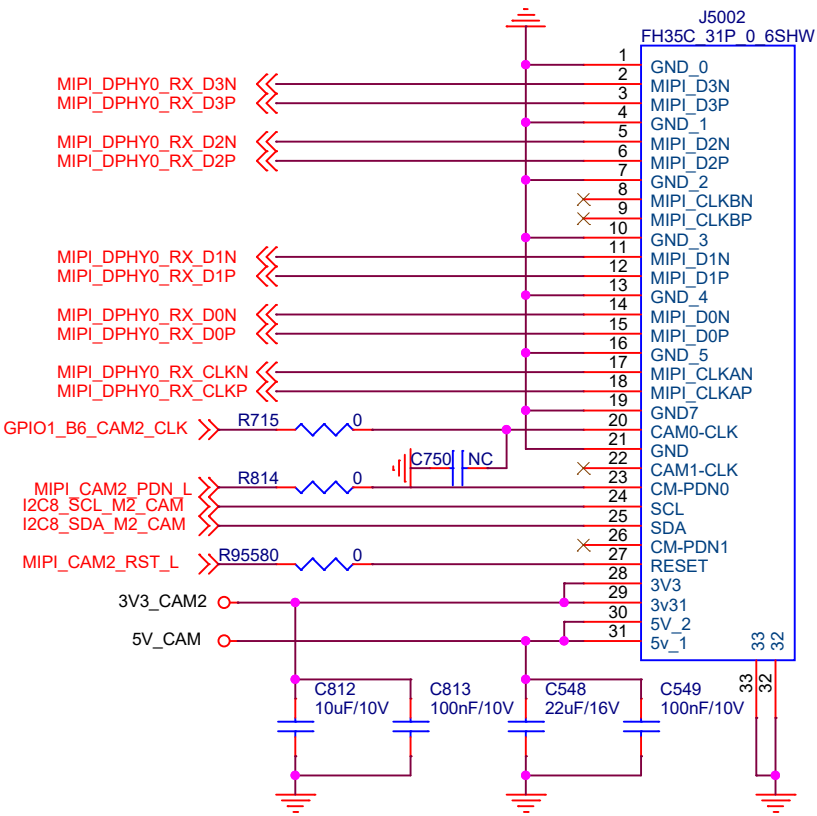
Size	Title: CM5 IO	REV
A4	Page Name: 10.LCD2	V2.2
Date:	Wednesday, February 28, 2024	Sheet 10 of 19

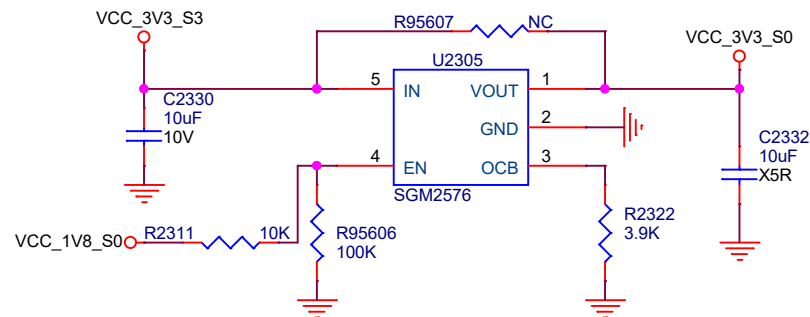
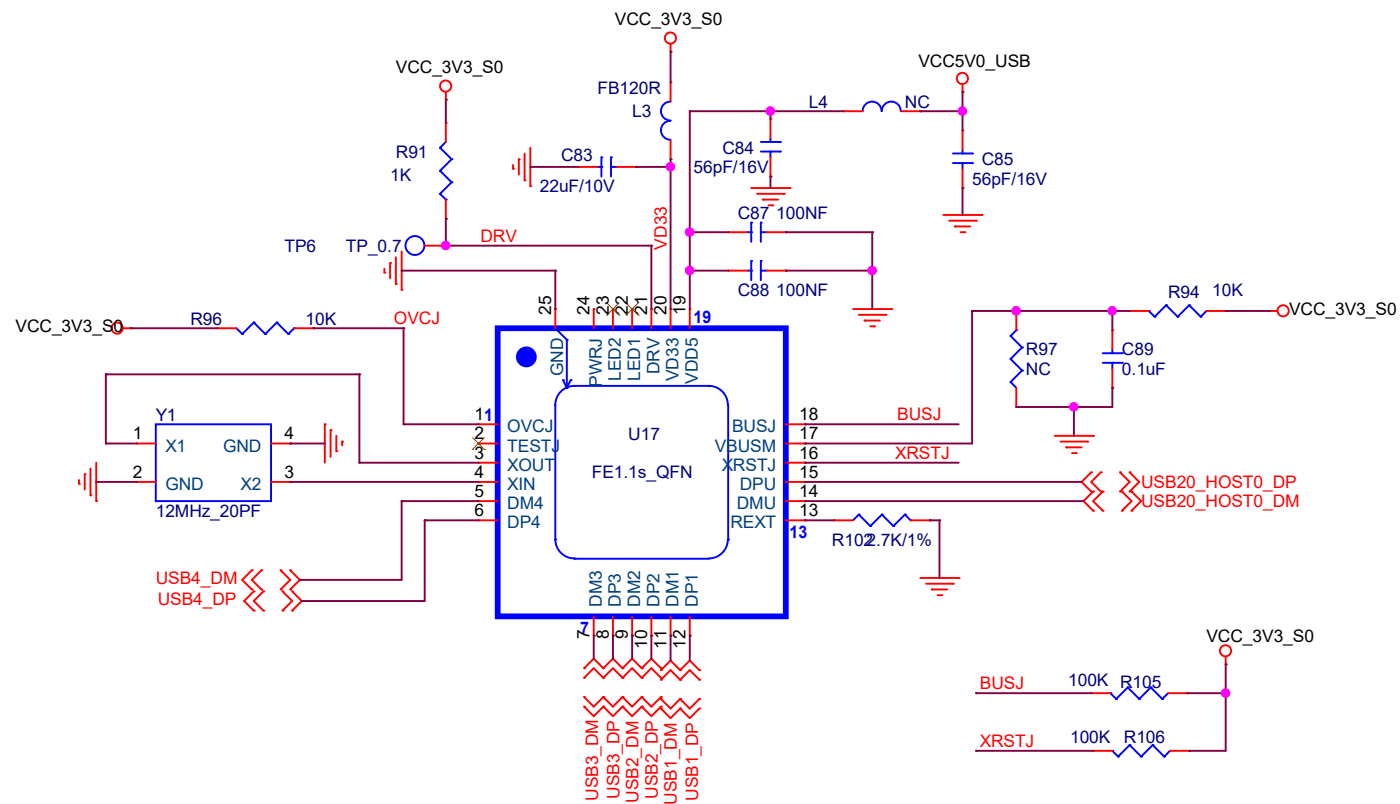
MIPI_CSI_RX

Camera 0



Camera 1

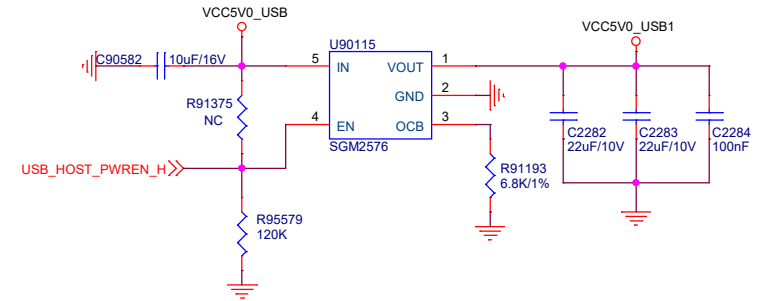
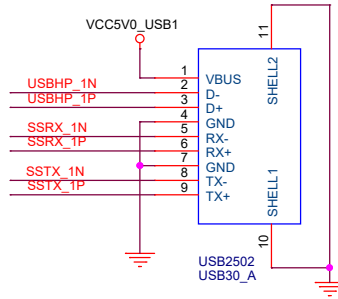
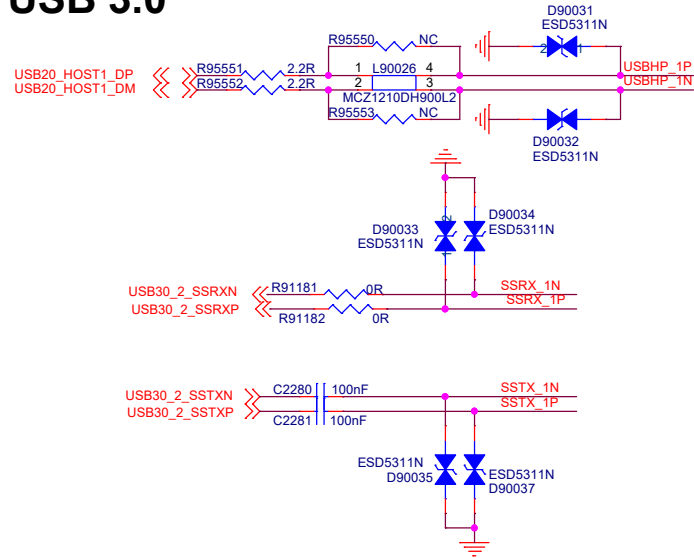




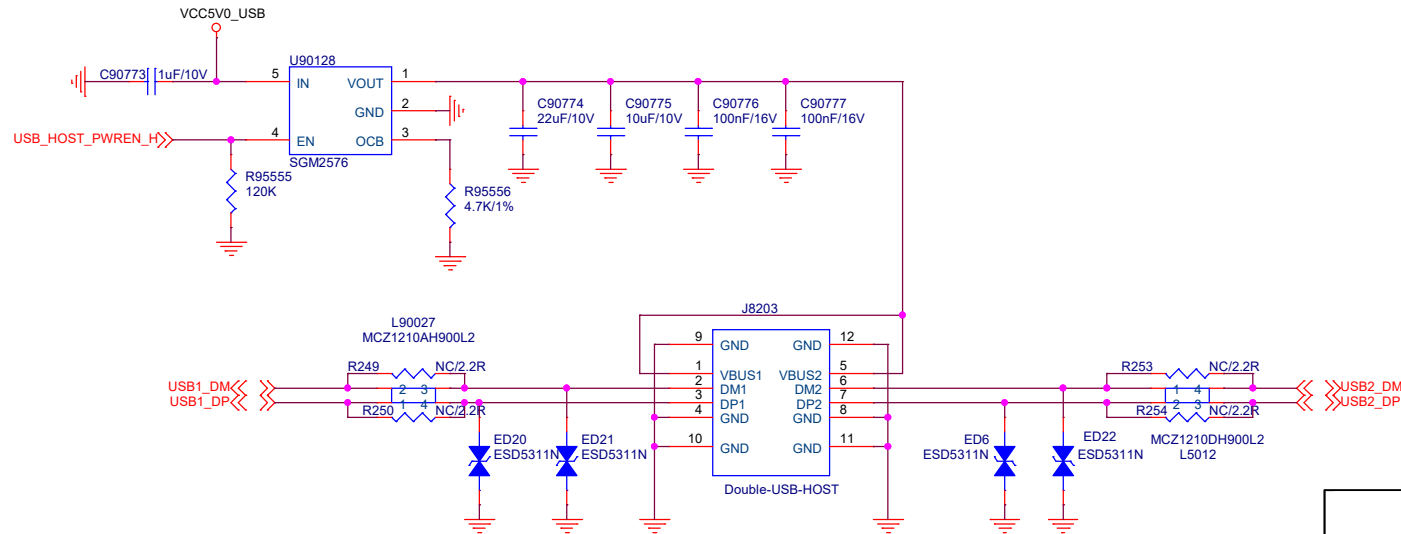
radxa

Size	Title: CM5 IO	REV
A4	Page Name: 12.USB HUB	V2.2
Date:	Wednesday, February 28, 2024	Sheet 12 of 19

USB 3.0

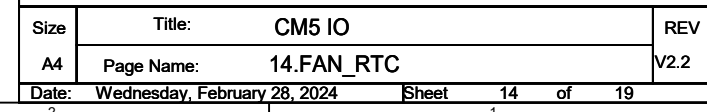
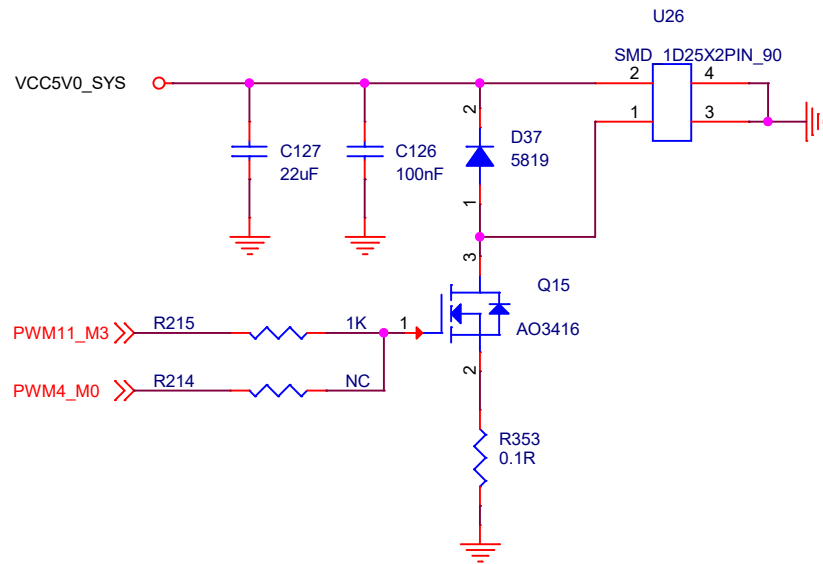


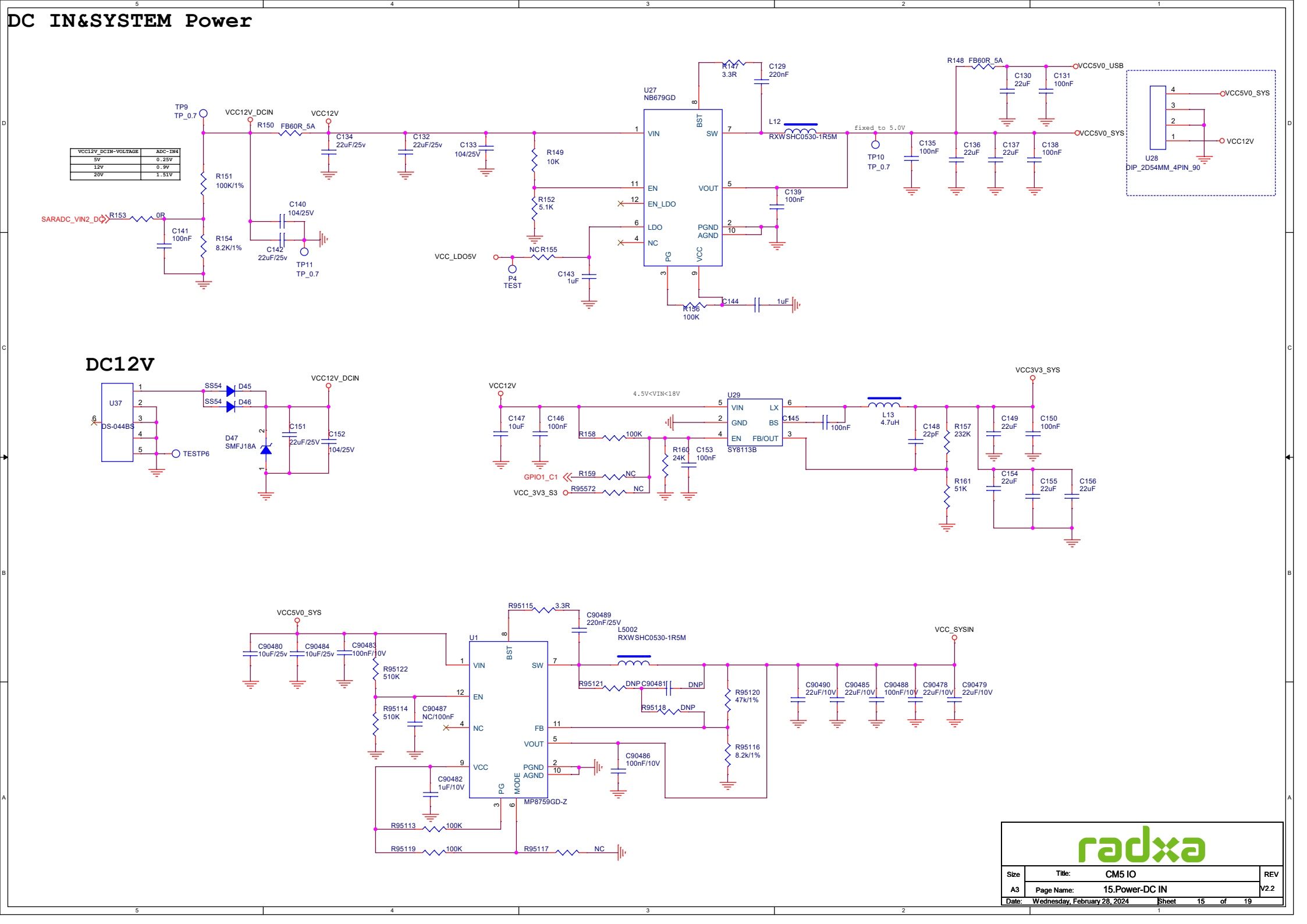
USB 2.0



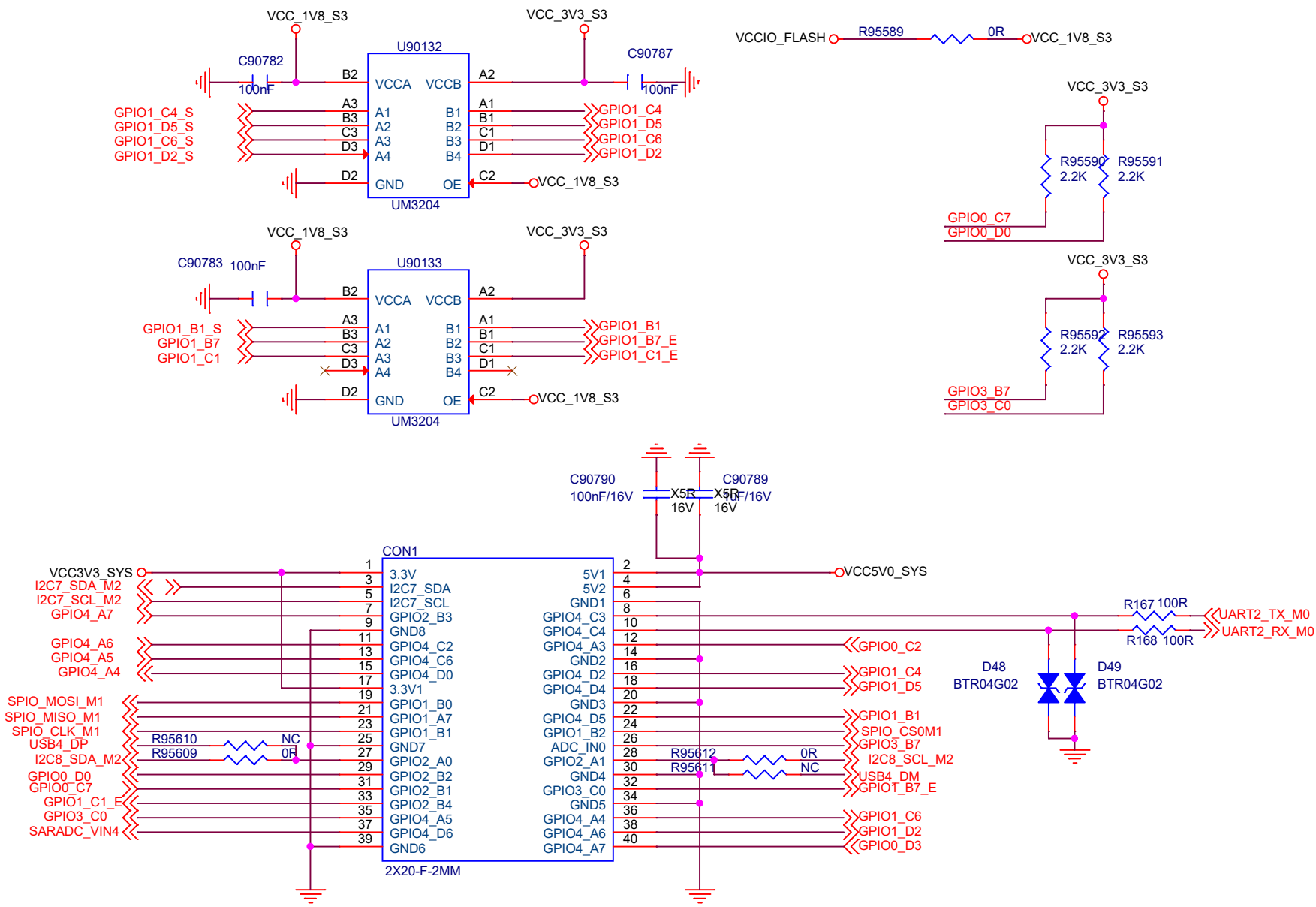
radxa		
Size	Title: CM5 IO	REV
B	Page Name: 13.USB HOST	V2.2
Date:	Wednesday, February 28, 2024	Sheet 13 of 19

FAN



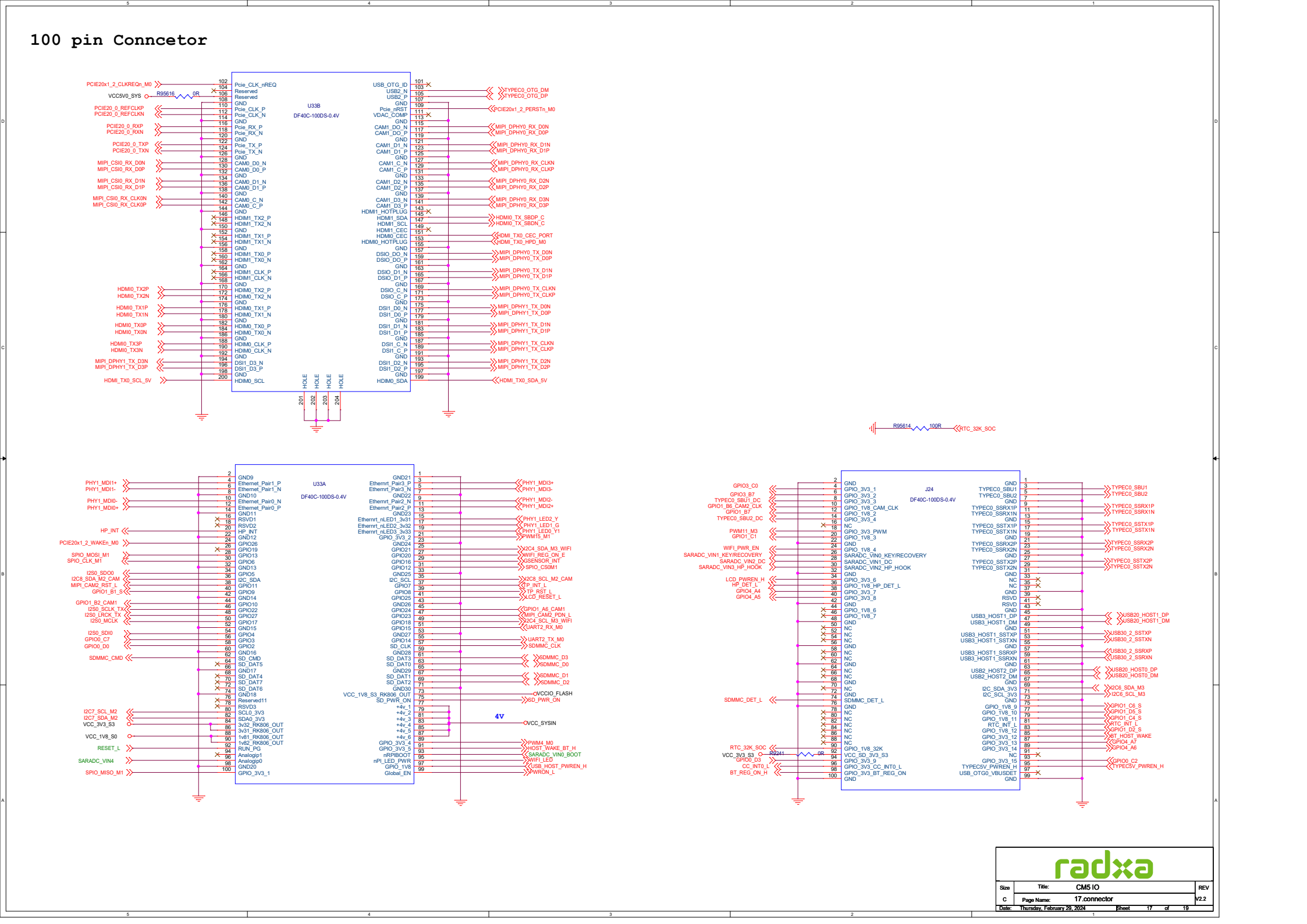


40PIN Connector

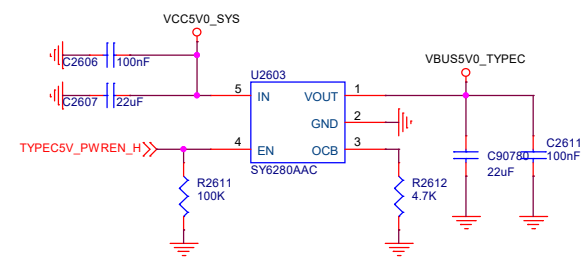
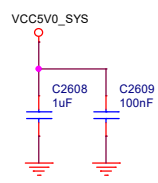
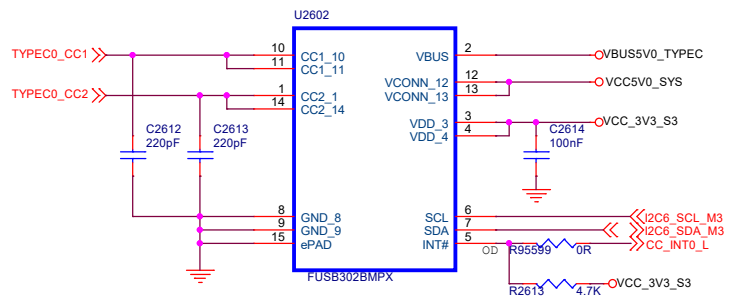
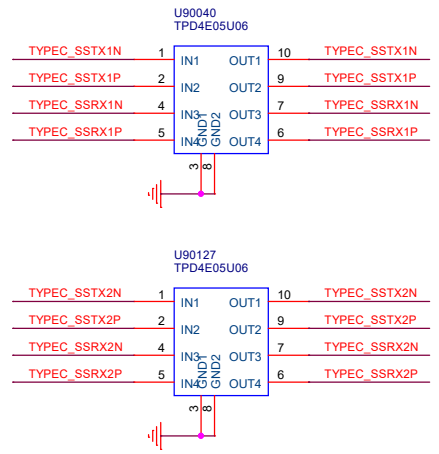
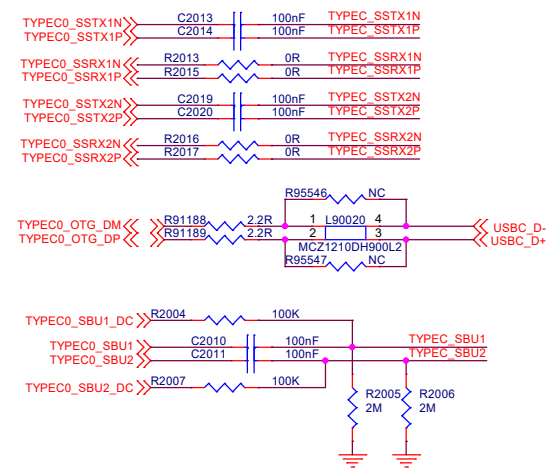
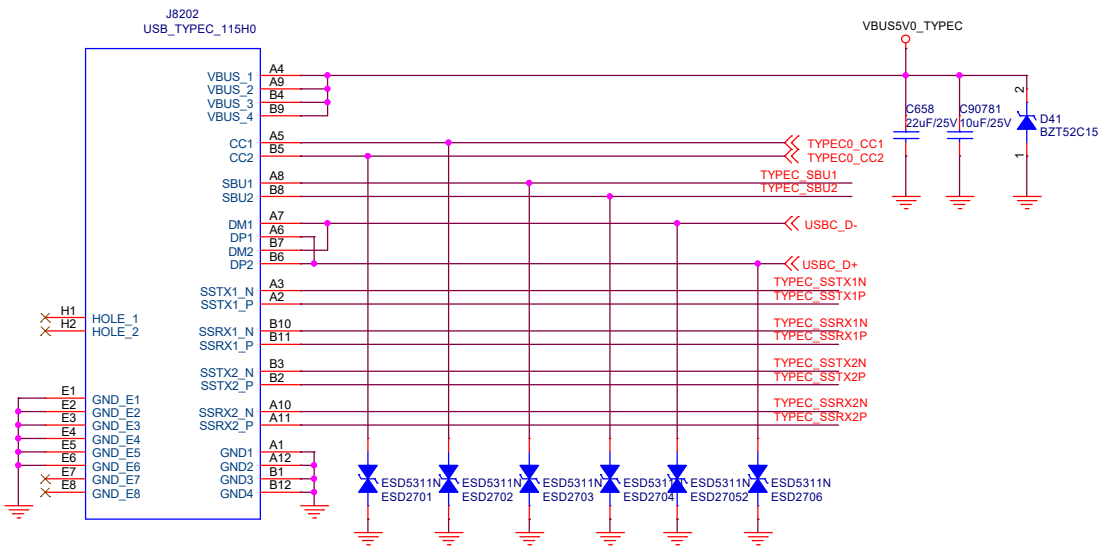


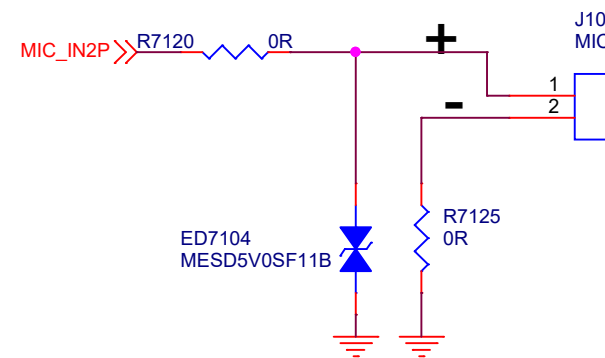
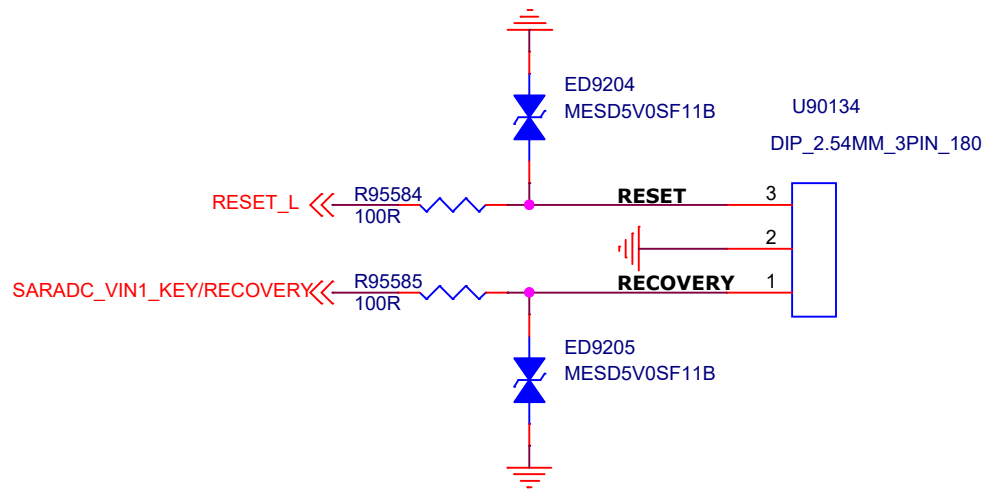
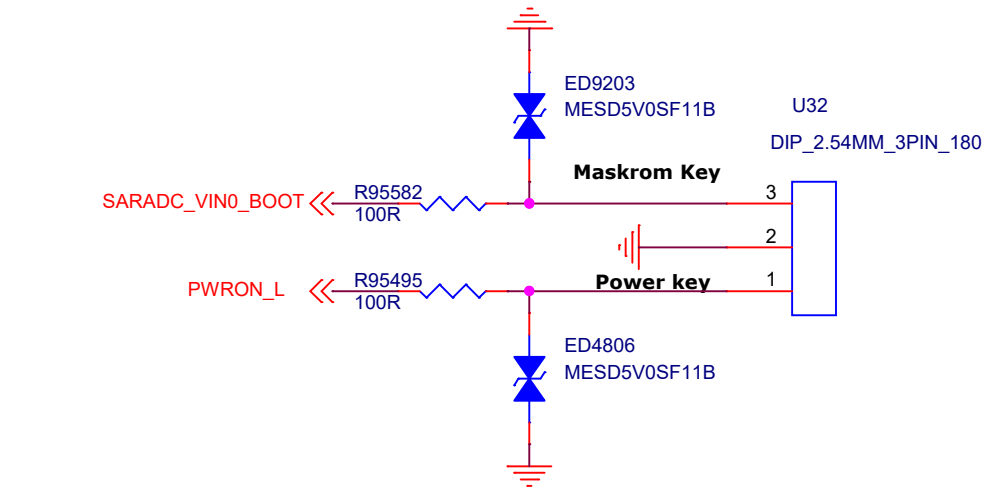
Size	Title: CM5 IO	REV
A4	Page Name: 16.40PIN Connector	V2.2
Date:	Wednesday, February 28, 2024	Sheet 16 of 19

100 pin Connector



Type C





radxa

Size	Title: CM5 IO	REV
A	Page Name: 19.KEY	V2.2
Date:	Wednesday, February 28, 2024	Sheet 19 of 19