



Radxa Cubie A7Z

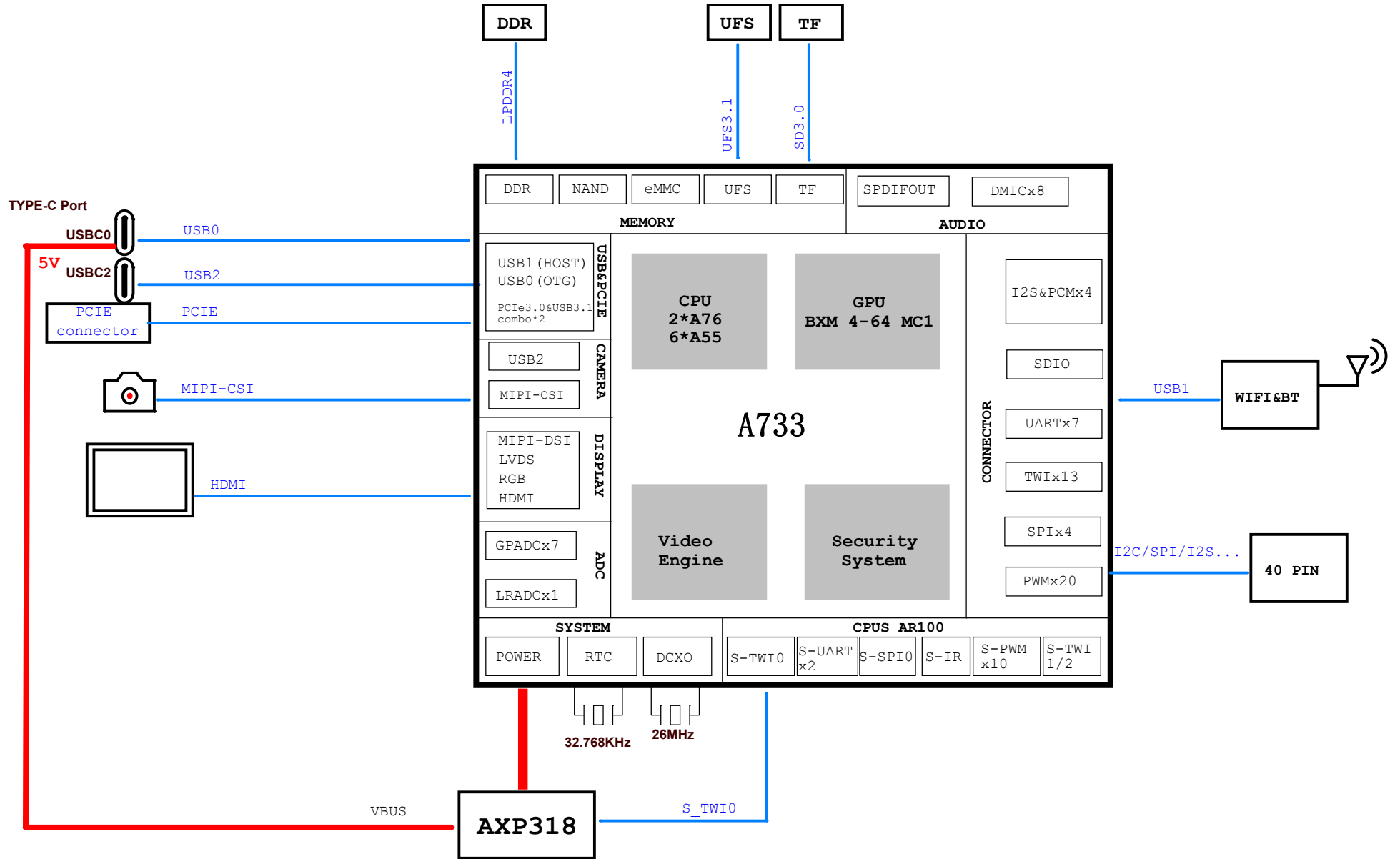
Schematic

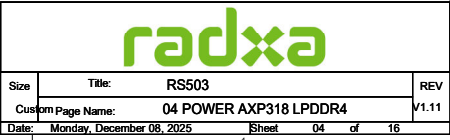
V1.11

Index

Page 1	01.Cover
Page 2	02.Index
Page 3	03.Block
Page 4	04 POWER AXP318
Page 5	05 LPDDR4
Page 6	06 A733 Analog&High-speed
Page 7	07 A733 GPIO
Page 8	08 A733 SYS
Page 9	09 UFS
Page 10	10 CAMERA
Page 11	11 WIFI/BT
Page 12	12 TYPE C
Page 13	13 DC 5V T-CARD
Page 14	14 PCIE 40PIN CONNECT
Page 15	15.HDMI
Page 16	16 LED/KEY/FAN

BLOCK





LPDDR4

U1A

LPDDR4/x

LPDDR5

WCK0N-A

AU33

AT33

SDQS3N

SDQS0P

SDQM0

SDQ0

SDQ1

SDQ2

SDQ3

SDQ4

SDQ5

SDQ6

SDQ7

SDQ8

SDQ9

SDQ10

SDQ11

SDQ12

SDQ13

SDQ14

SDQ15

SDQ16

SDQ17

SDQ18

SDQ19

SDQ20

SDQ21

SDQ22

SDQ23

SDQ24

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SDQ53

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SDQ57

SDQ58

SDQ59

SDQ60

SDQ61

SDQ62

SDQ63

SDQ64

LPDDR4

LPDDR4X

LPDDR5

WCK0N-B

AU33

AT33

SDQS3N

SDQS0P

SDQM0

SDQ0

SDQ1

SDQ2

SDQ3

SDQ4

SDQ5

SDQ6

SDQ7

SDQ8

SDQ9

SDQ10

SDQ11

SDQ12

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SDQ73

LPDDR4

LPDDR4X

LPDDR5

WCK0N-B

AU33

AT33

SDQS3N

SDQS0P

SDQM0

SDQ0

SDQ1

SDQ2

SDQ3

SDQ4

SDQ5

SDQ6

SDQ7

SDQ8

SDQ9

SDQ10

SDQ11

SDQ12

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SDQ72

SDQ73

LPDDR4

LPDDR4X

LPDDR5

WCK0N-B

AU33

AT33

SDQS3N

SDQS0P

SDQM0

SDQ0

SDQ1

SDQ2

SDQ3

SDQ4

SDQ5

SDQ6

SDQ7

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SDQ72

SDQ73

LPDDR4

LPDDR4X

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SDQS0P

SDQM0

SDQ0

SDQ1

SDQ2

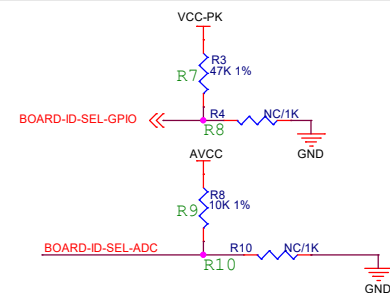
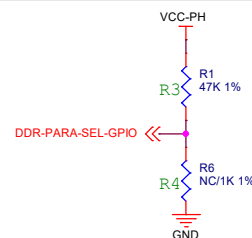
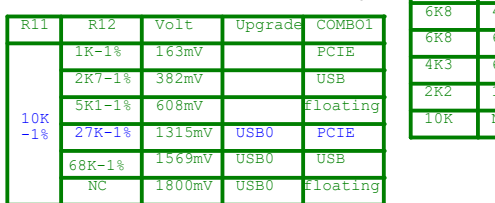
SDQ3

SDQ4

SDQ5

SDQ6

ADC

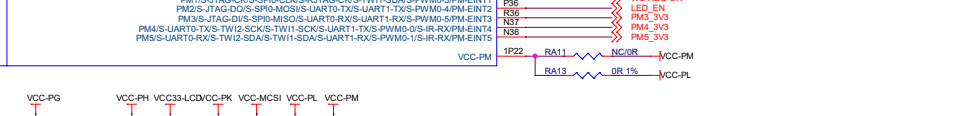
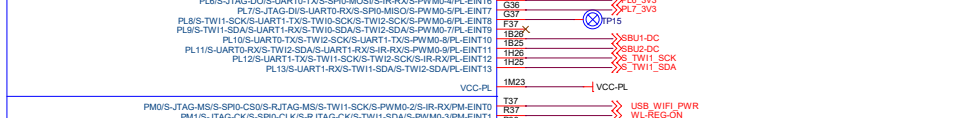
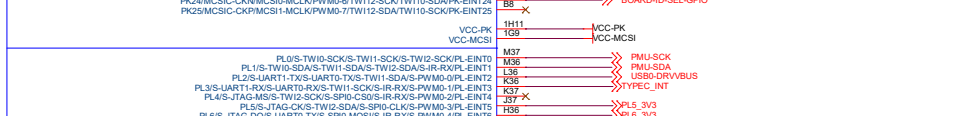
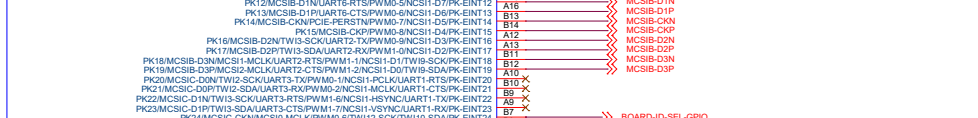
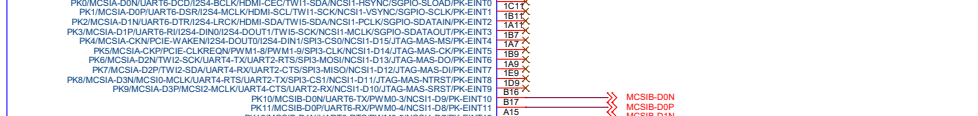
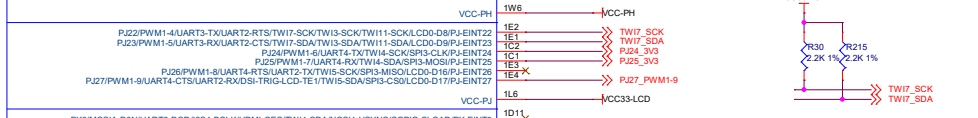
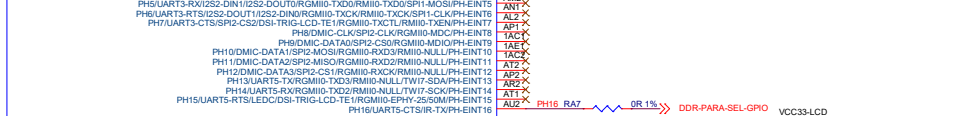
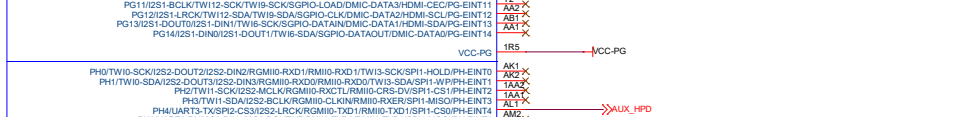
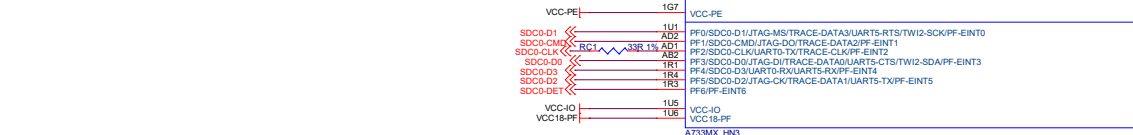
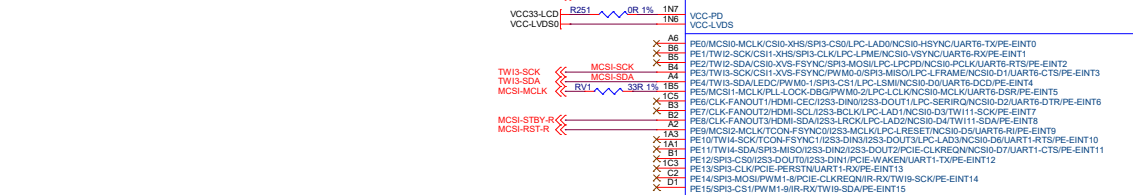
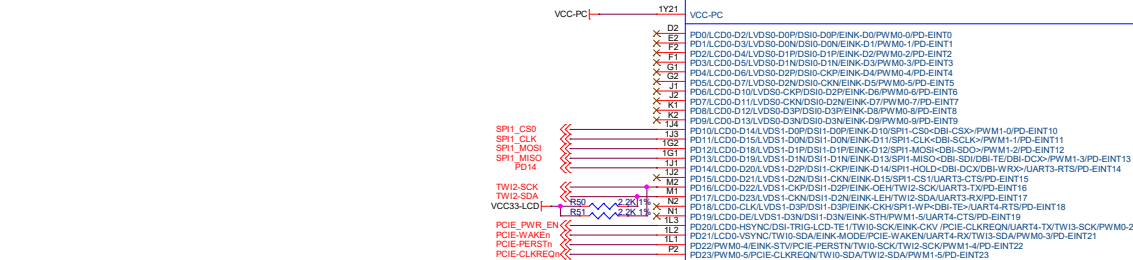
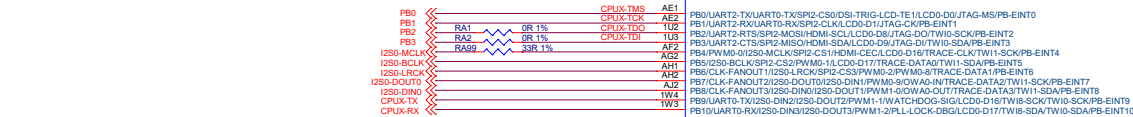


GPIO-SET		BOARD-ID-SEL-ADC			BoardID Config
R7	R8	R9	R10	Volt	
NC	1K pull down	10K -1%	1K-1%	163mV	Config-1
			2K7-1%	382mV	Config-2
			5K1-1%	608mV	Config-3
			8K2-1%	811mV	Config-4
			14K-1%	1050mV	Config-5
			27K-1%	1315mV	Config-6
			68K-1%	1569mV	Config-7
			NC	1800mV	Config-8
47K pull up	NC	10K -1%	1K-1%	163mV	Config-9
			2K7-1%	382mV	Config-10
			5K1-1%	608mV	Config-11
			8K2-1%	811mV	Config-12
			14K-1%	1050mV	Config-13
			27K-1%	1315mV	Config-14
			68K-1%	1569mV	Config-15
			NC	1800mV	Config-16

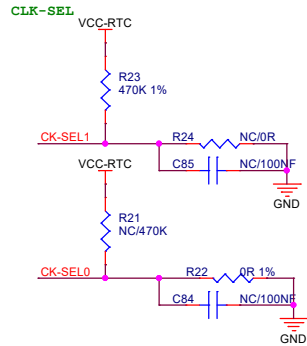
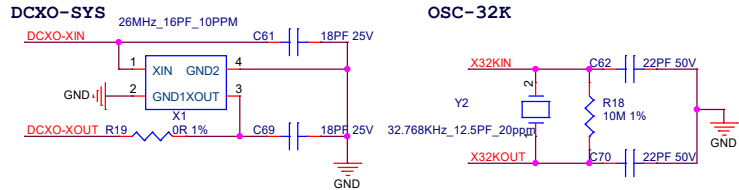
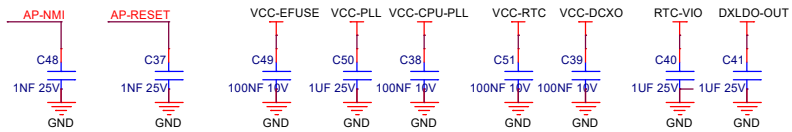
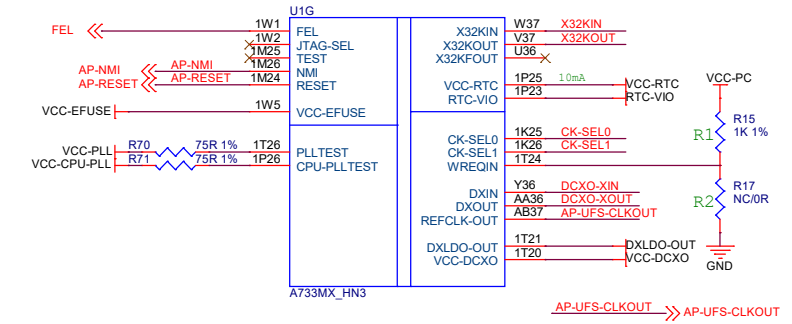
USB&EDP&PCIE



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Date:	Monday, December 08, 2025	Sheet 06 of 16

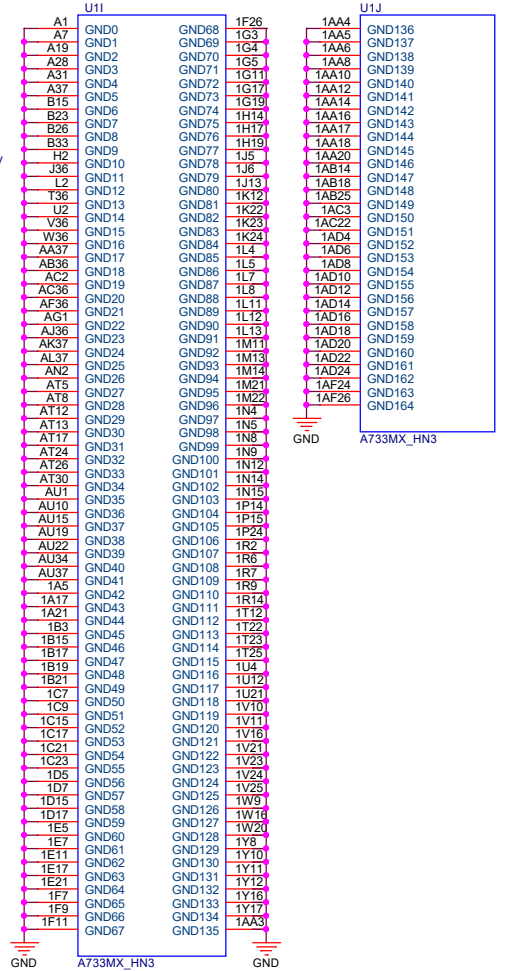
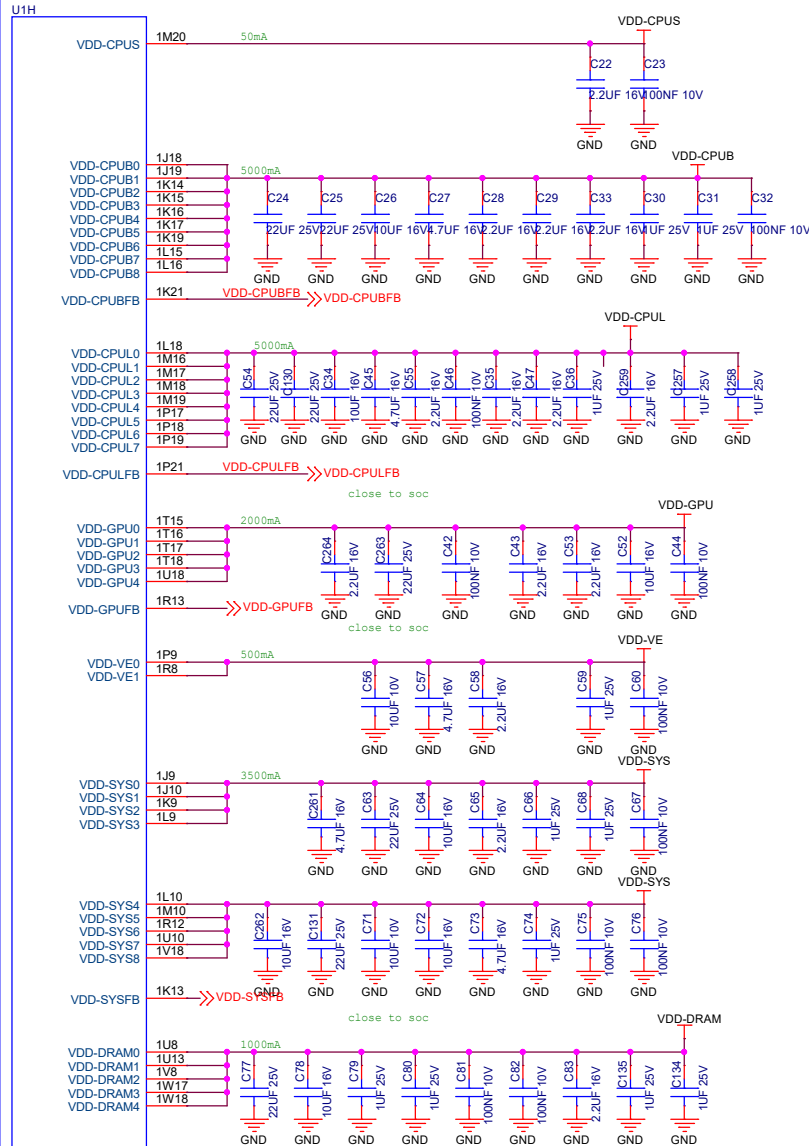


SYS



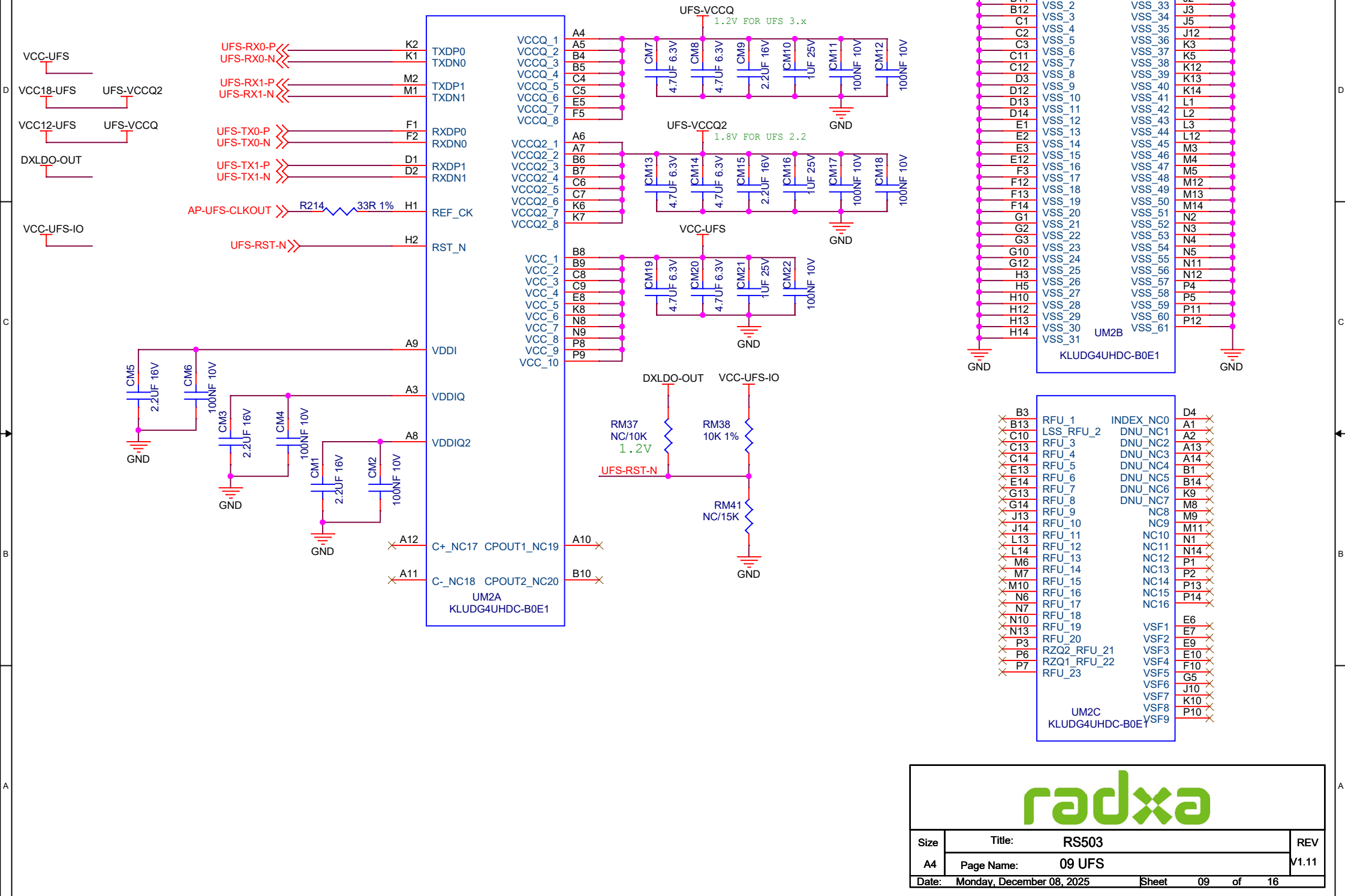
default 24M	SEL1	SEL0
SOC=19.2M	0	1
SOC=26M	1	0
SOC=24M, UFS=19.2M	1	1
SOC=24M, UFS=26M	0	0

CORE POWER



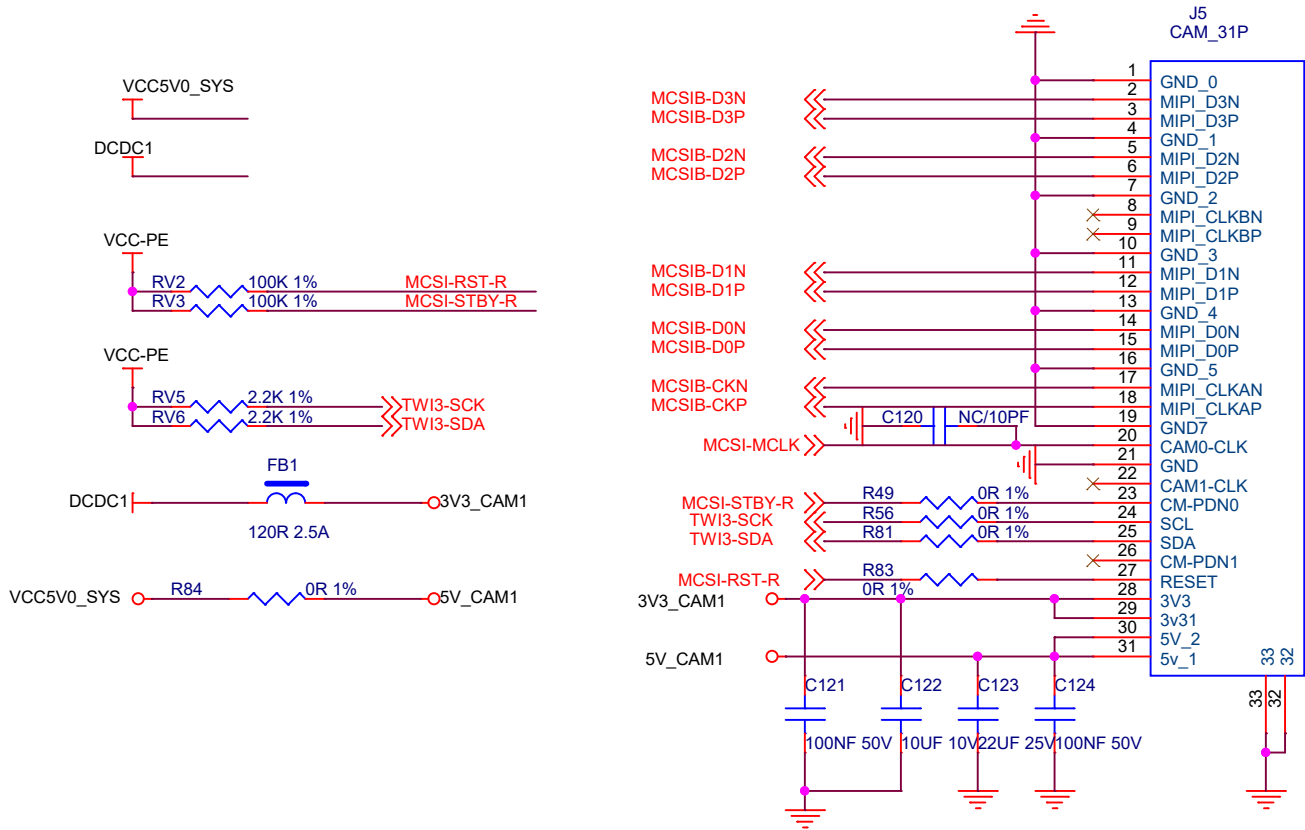
radxa

UFS



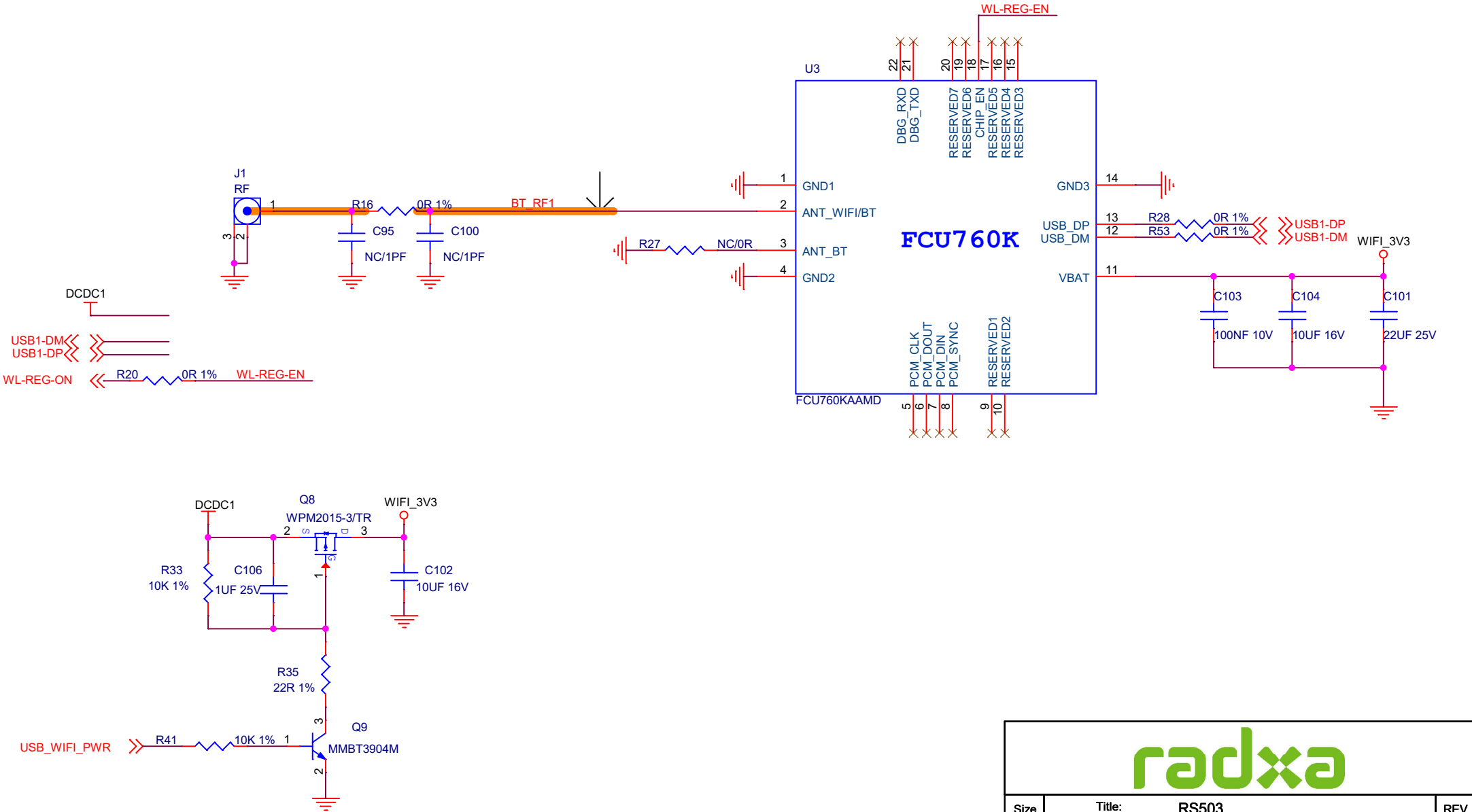
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A4	Page Name: 09 UFS	V1.11
Date: Monday, December 08, 2025	Sheet 09 of 16	

CAMERA



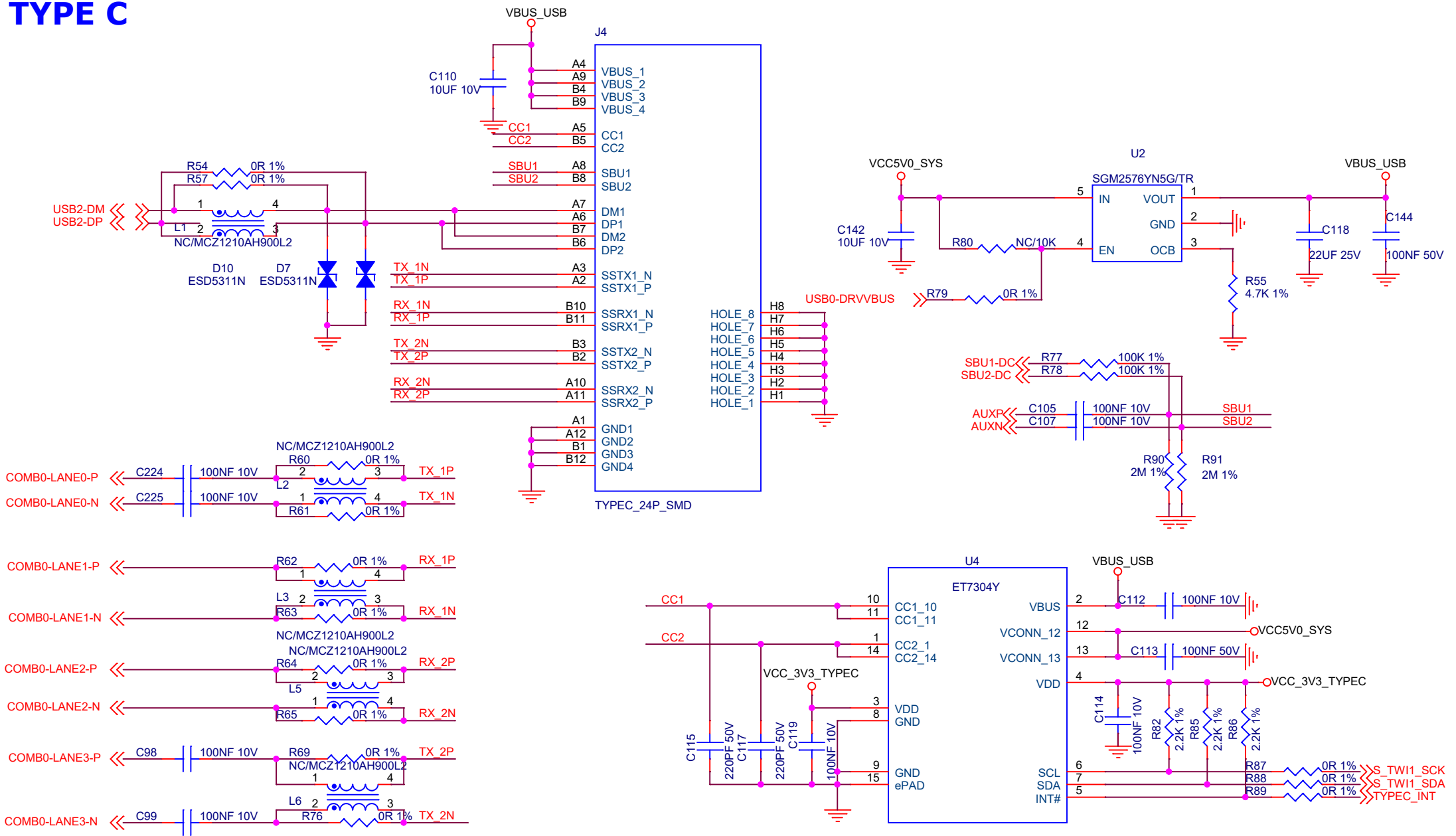
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A4	Page Name: 10 CAMERA	V1.11
Date:	Monday, December 08, 2025	Sheet 10 of 16

WIFI/BT



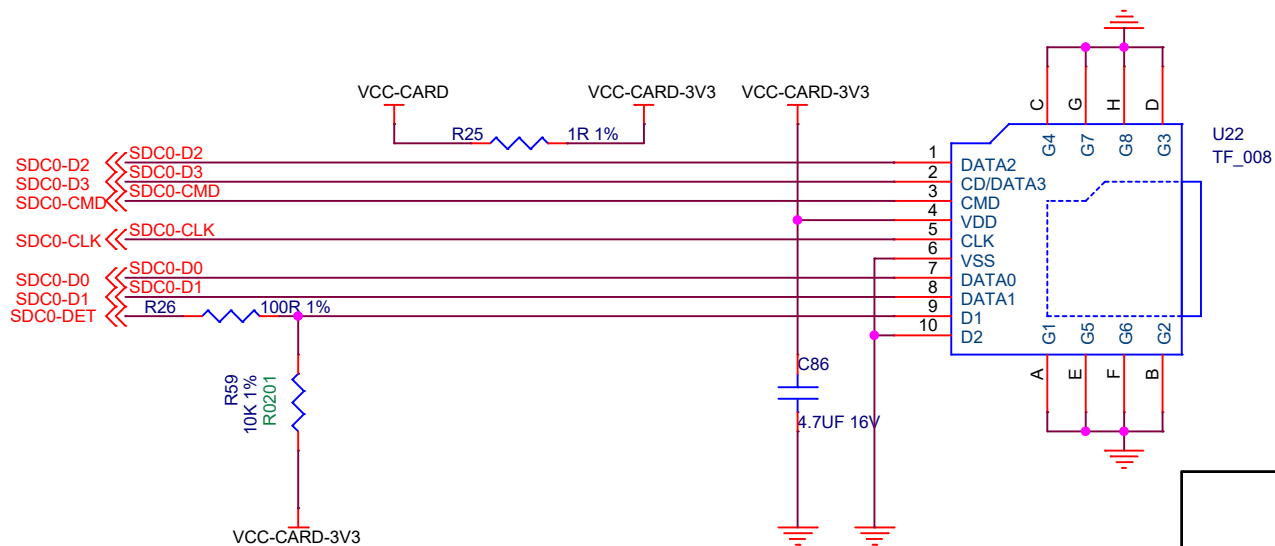
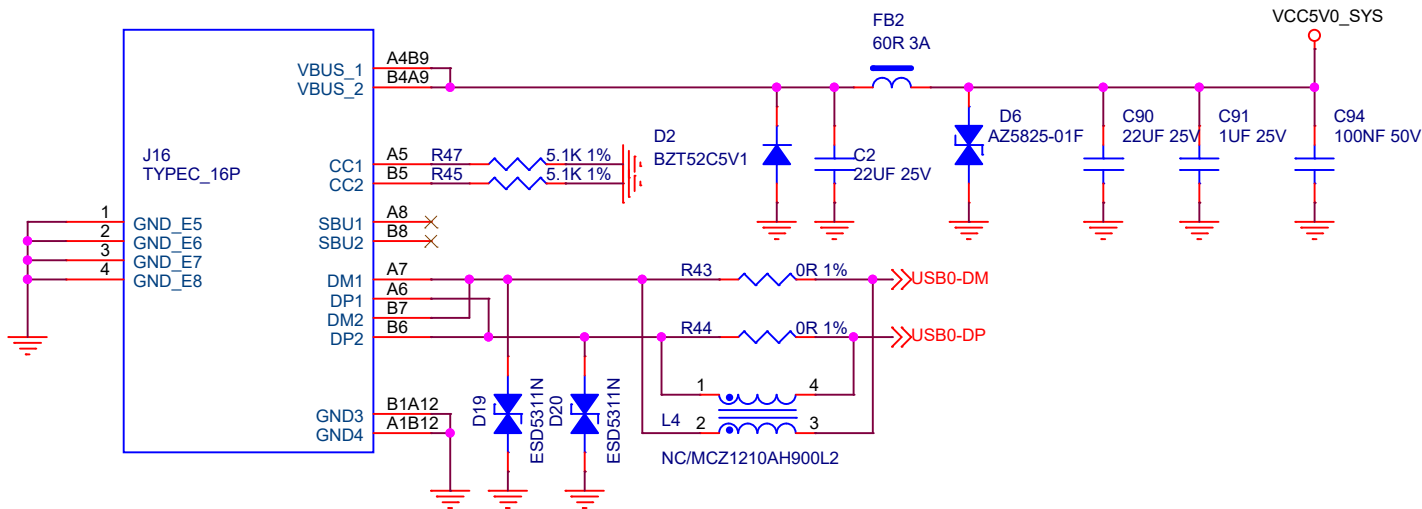
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A4	Page Name: 11 WIFI/BT	V1.11
Date: Monday, December 08, 2025	Sheet 11 of 16	

TYPE C



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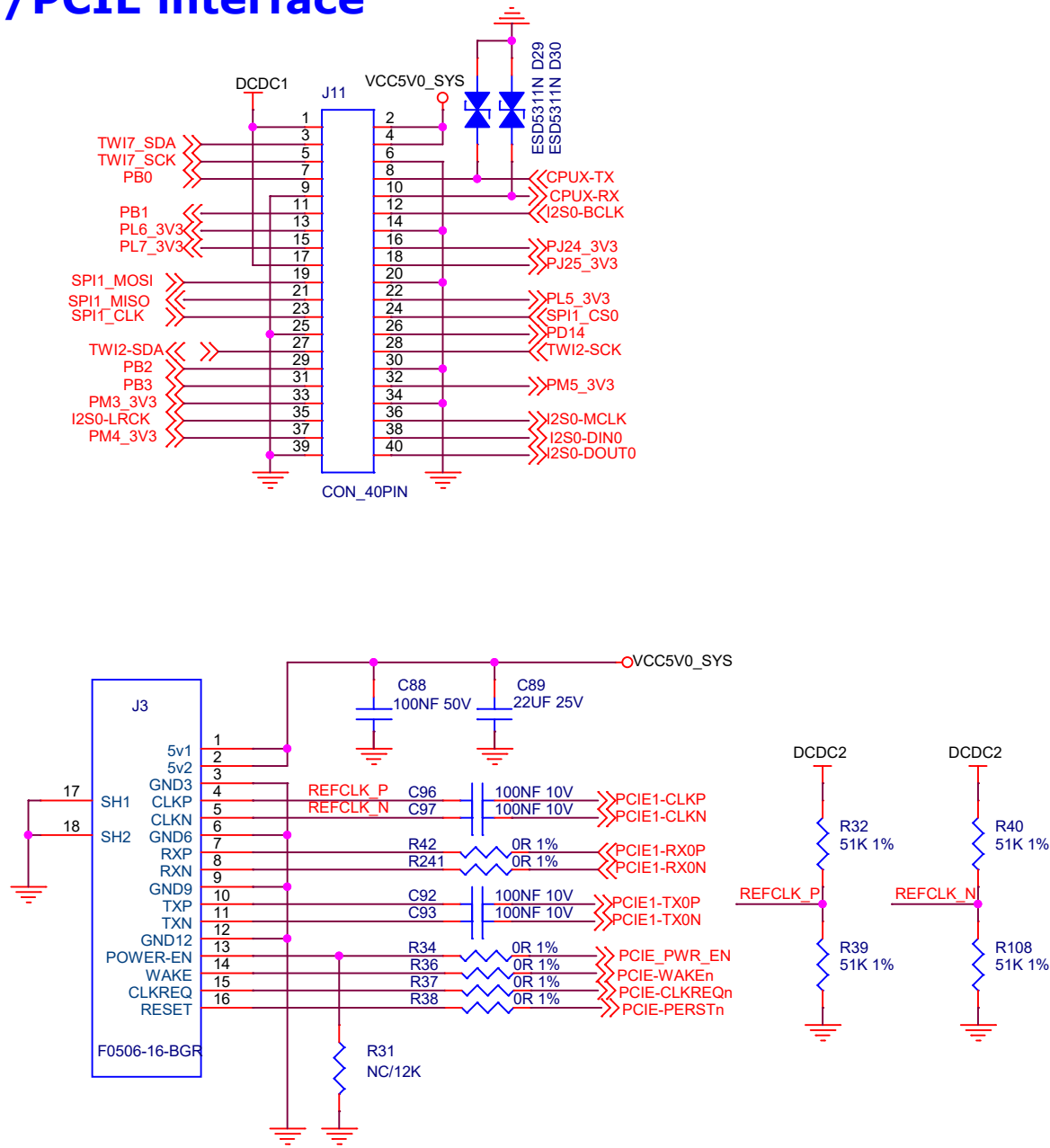
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Date: Monday, December 08, 2025	Sheet 12 of 16	



radxa

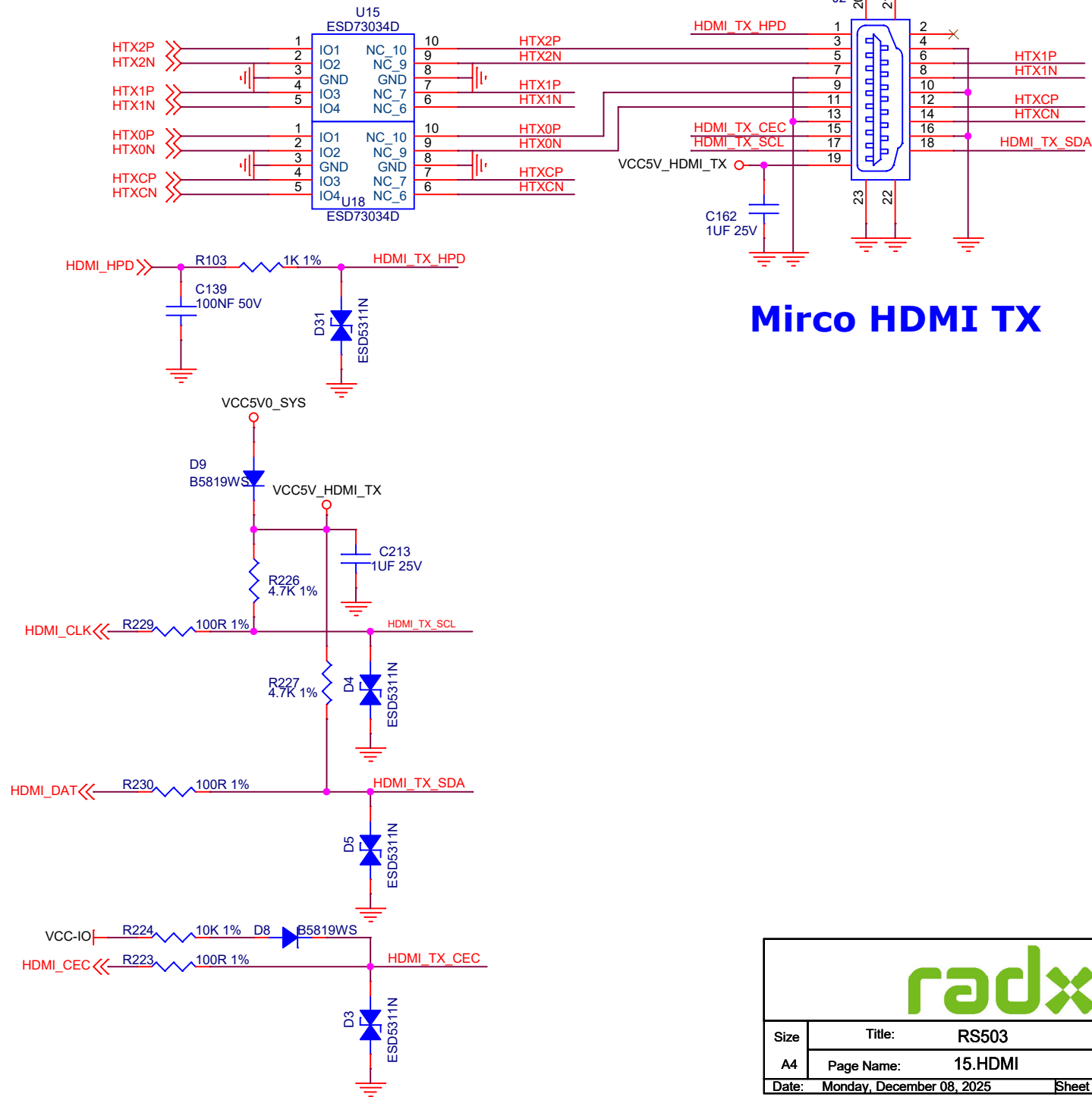
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A4	Page Name: 13 DC 5V_T-CARD	V1.11
Date: Monday, December 08, 2025	Sheet 13 of 16	

40PIN Connctor/PCIE interface



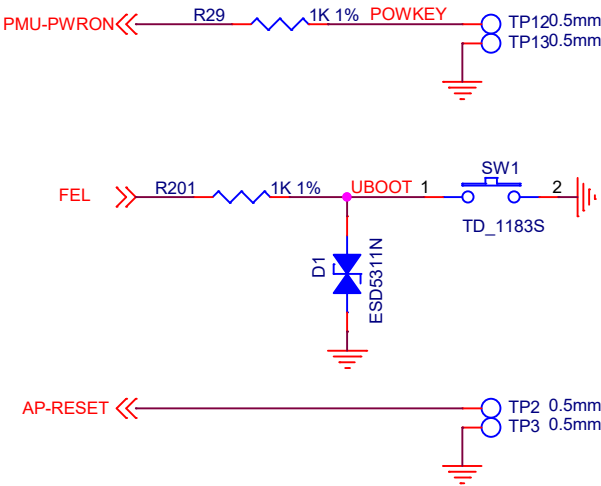
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Date: Monday, December 08, 2025	Sheet 14 of 16	

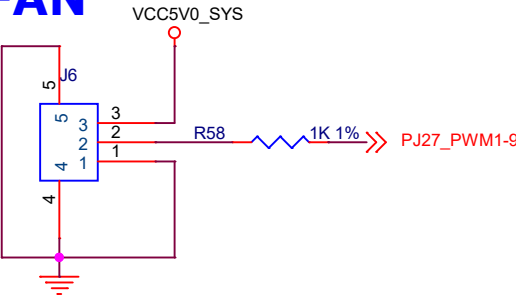


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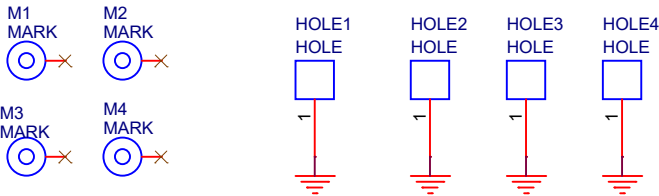
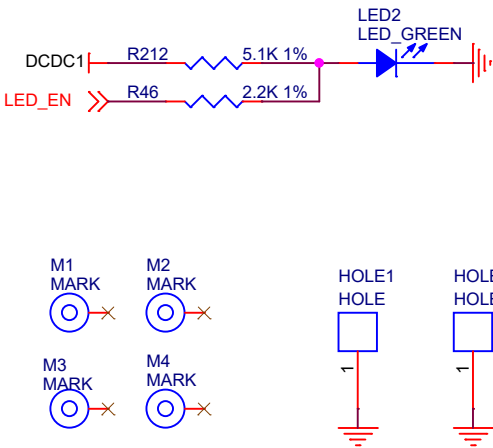
KEY



FAN



LED



Size	Title: RS503	REV
A4	Page Name: 16 LED/KEY	V1.11
Date: Monday, December 08, 2025	Sheet 16 of 16	