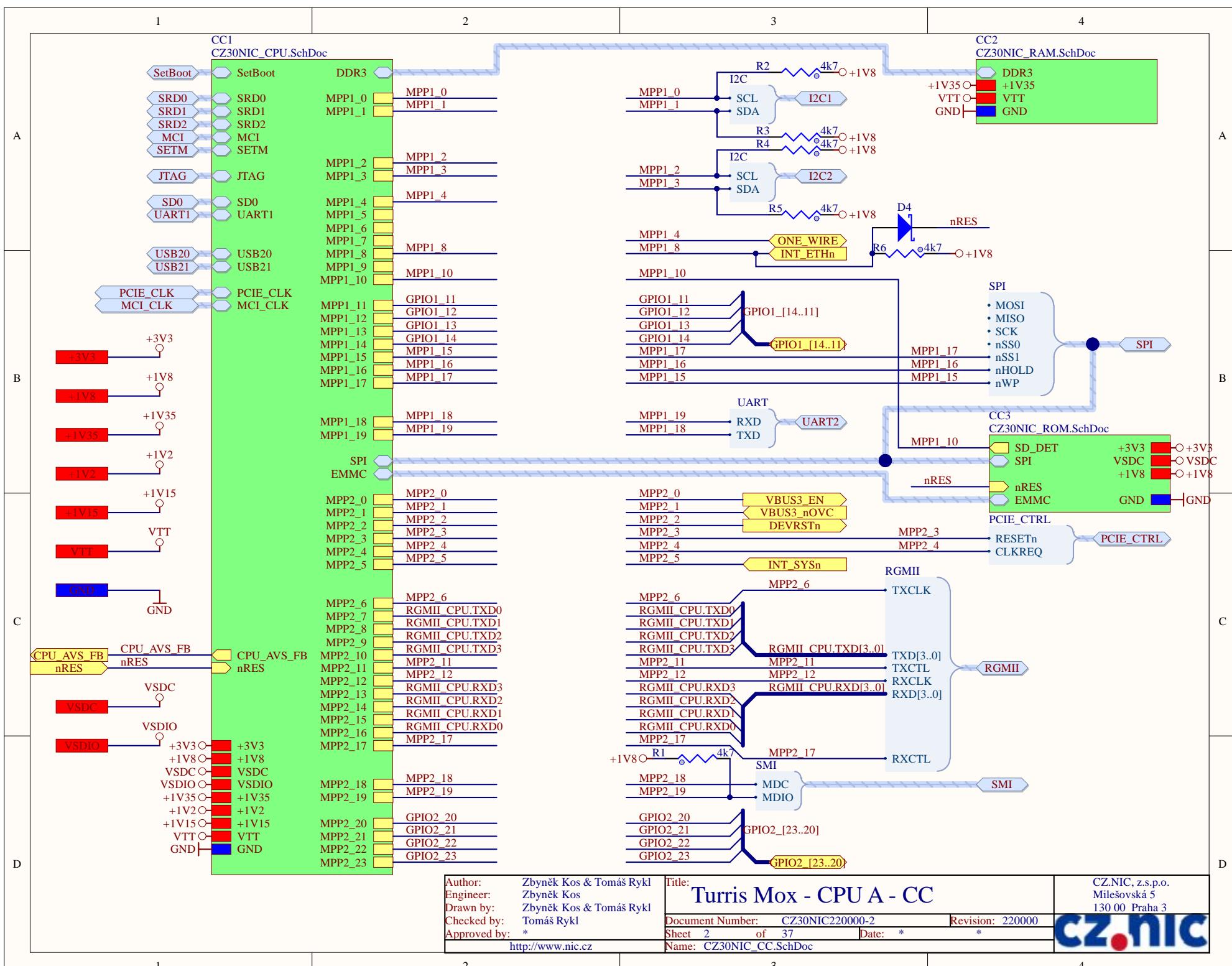
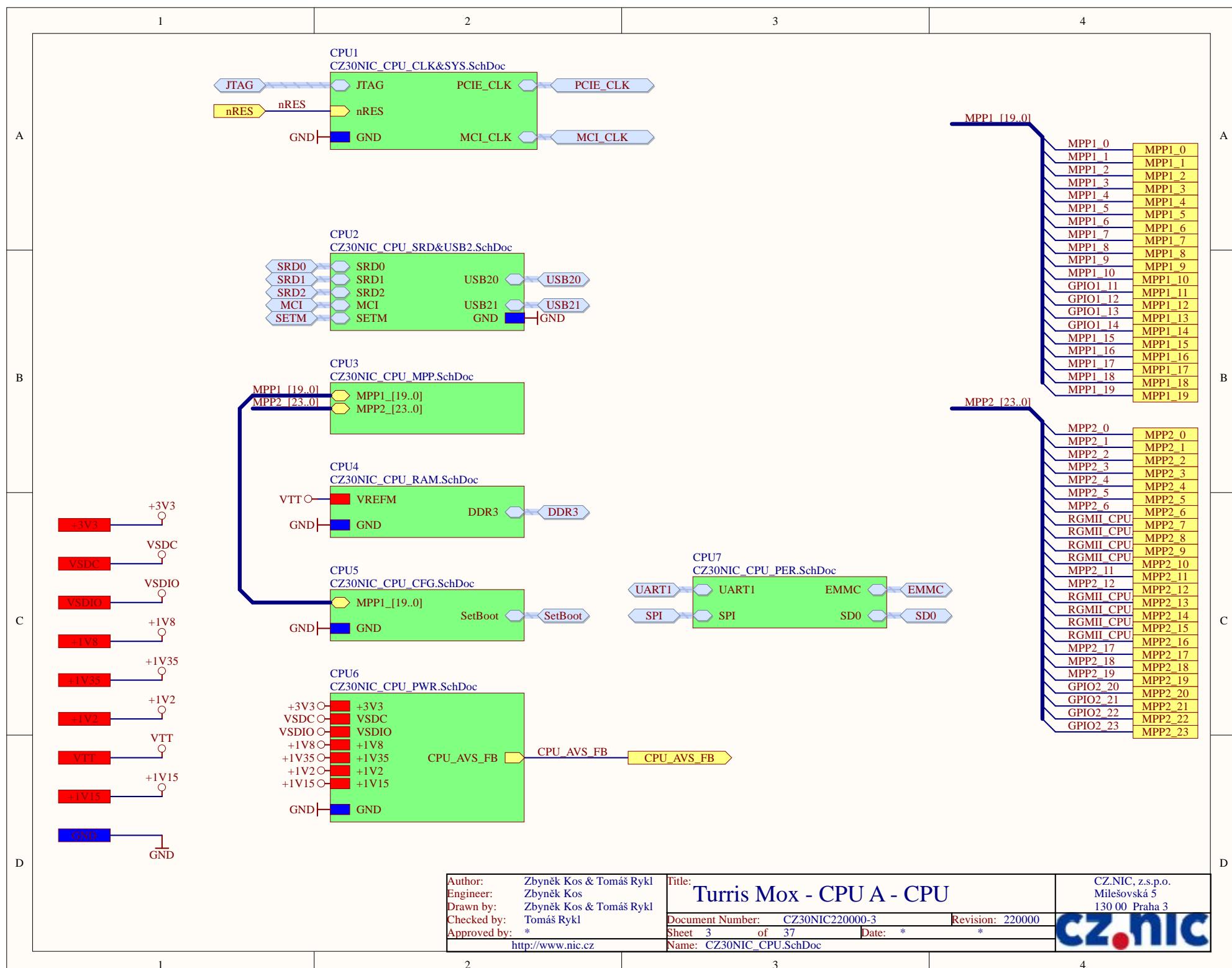


Author: Zbyněk Kos & Tomáš Rykl Title: Turris Mox - CPU A - Top
Engineer: Zbyněk Kos
Drawn by: Zbyněk Kos & Tomáš Rykl
Checked by: Tomáš Rykl Document Number: CZ30NIC220000-1 Revision: 220000
Approved by: * Sheet 1 of 37 Date: * * *
<http://www.nic.cz> Name: CZ30NIC.SchDoc





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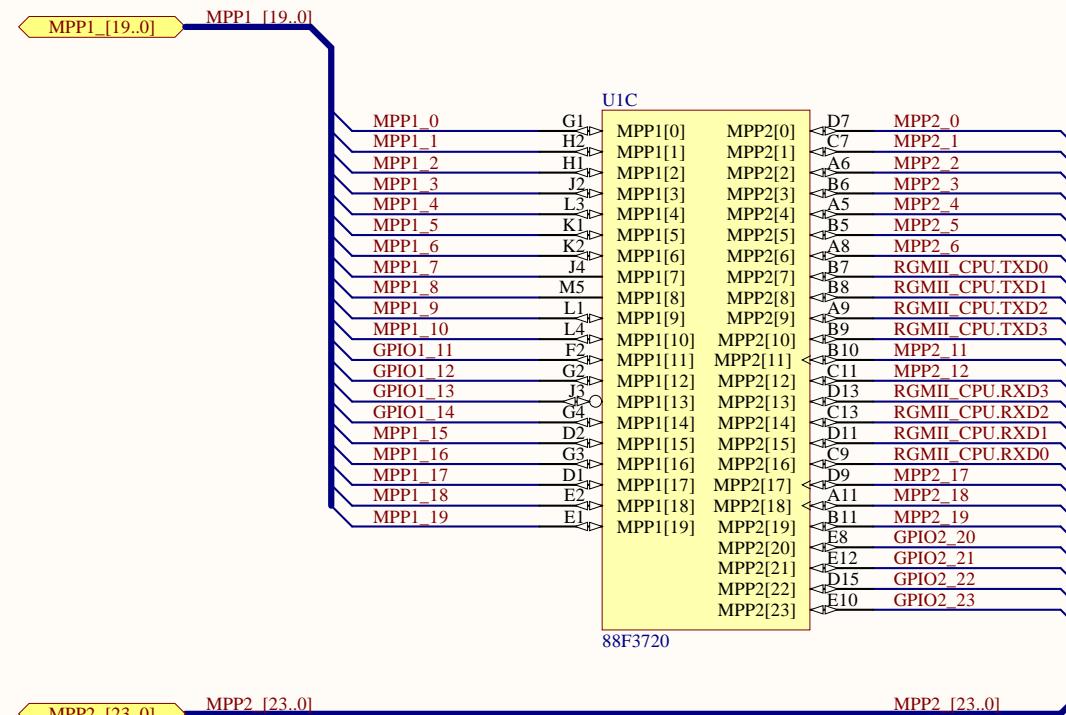
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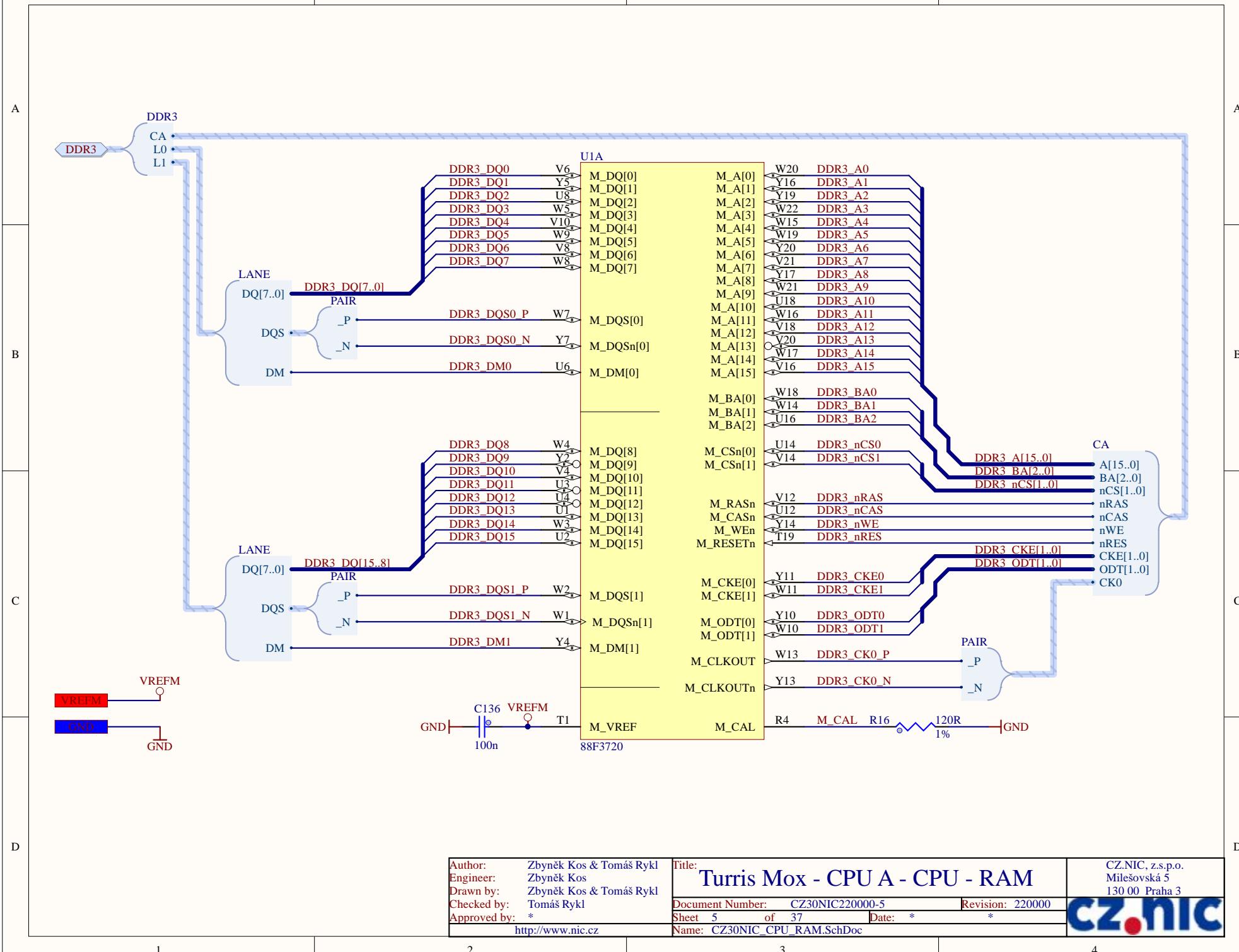
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Author: Zbyněk Kos & Tomáš Rykl	Title: Turris Mox - CPU A - CPU - MPP	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer: Zbyněk Kos		
Drawn by: Zbyněk Kos & Tomáš Rykl		
Checked by: Tomáš Rykl	Document Number: CZ30NIC220000-4	Revision: 220000
Approved by: *	Sheet 4 of 37	Date: * * *
	Name: CZ30NIC_CPU_MPP.SchDoc	
	http://www.nic.cz	cz.nic



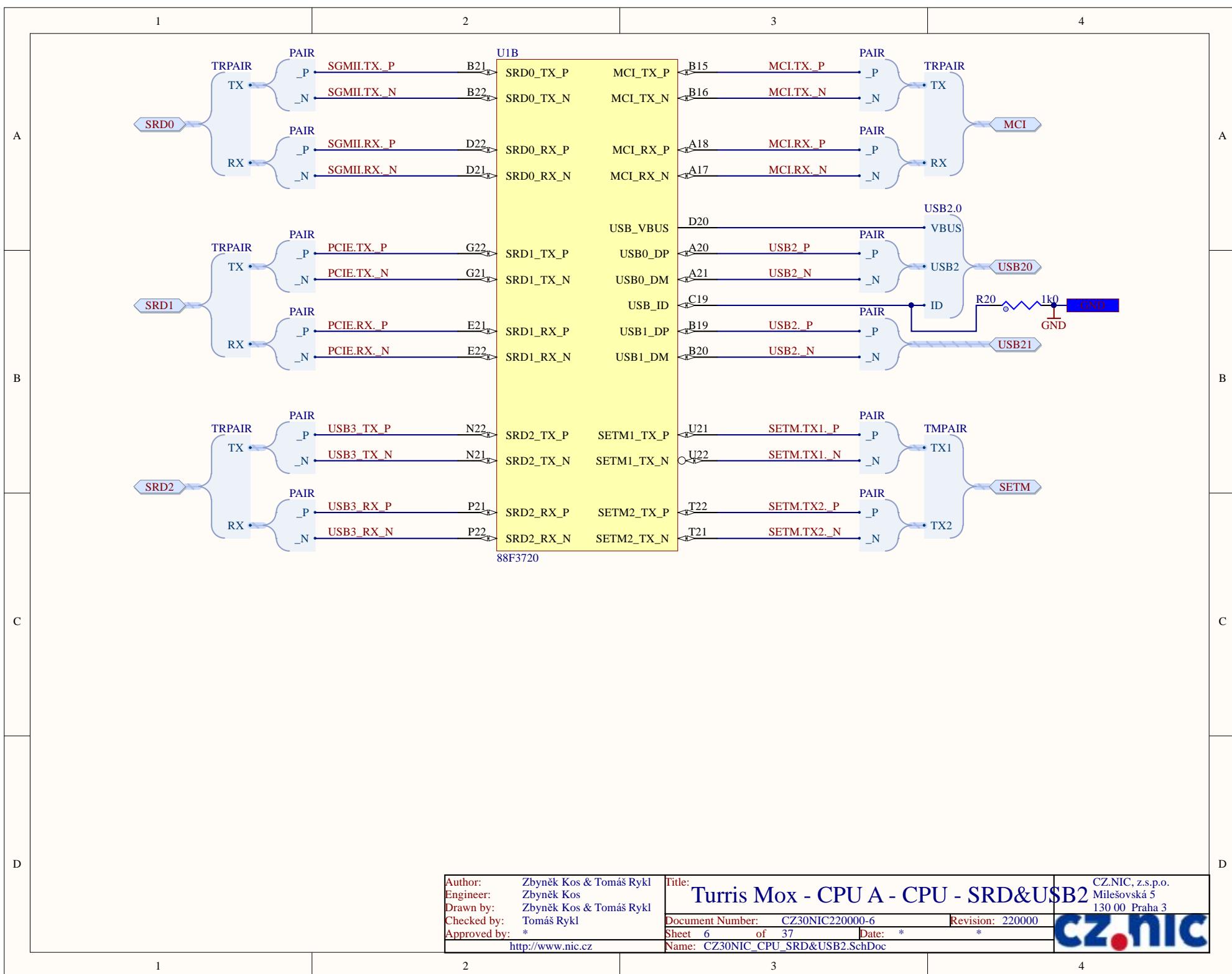
Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

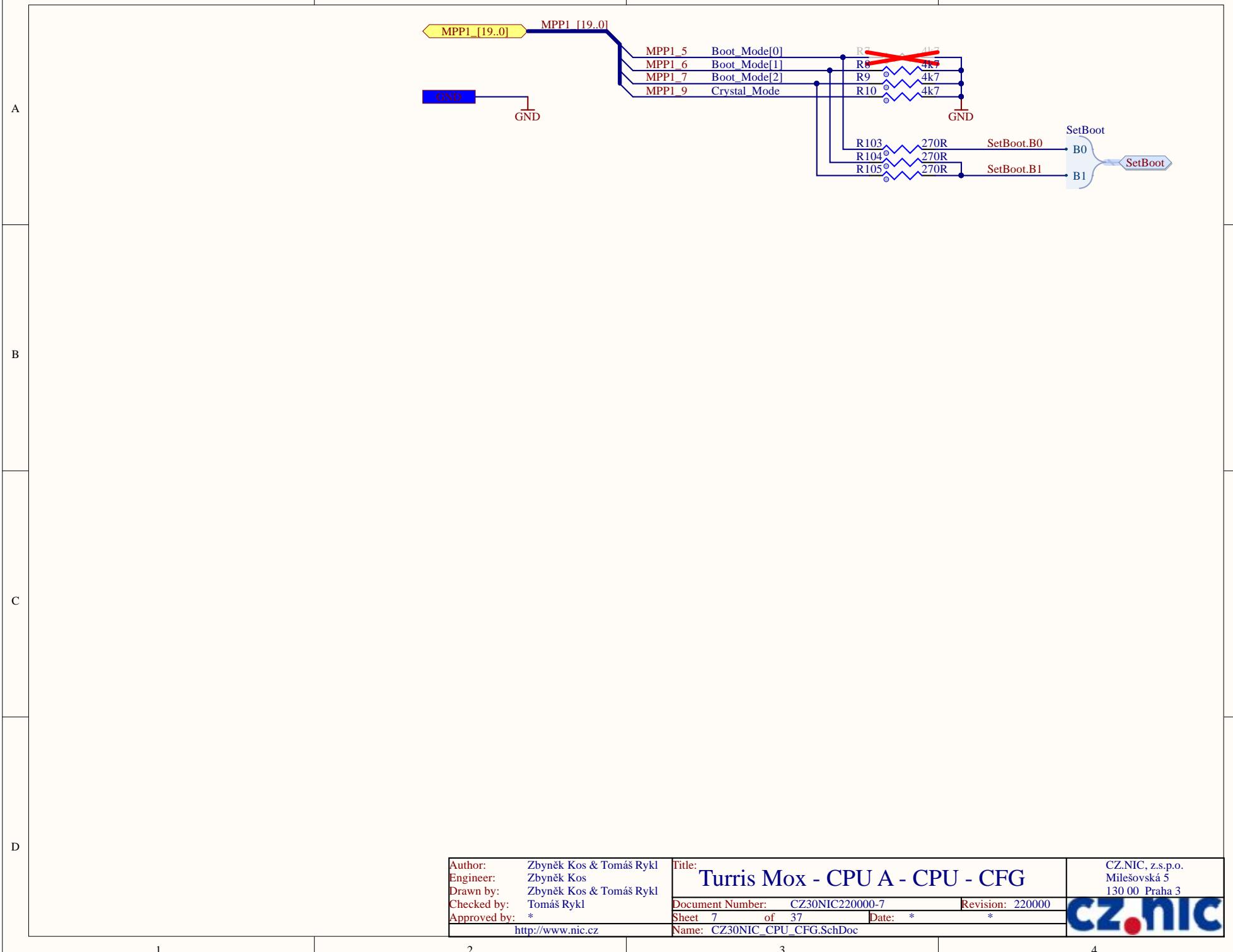
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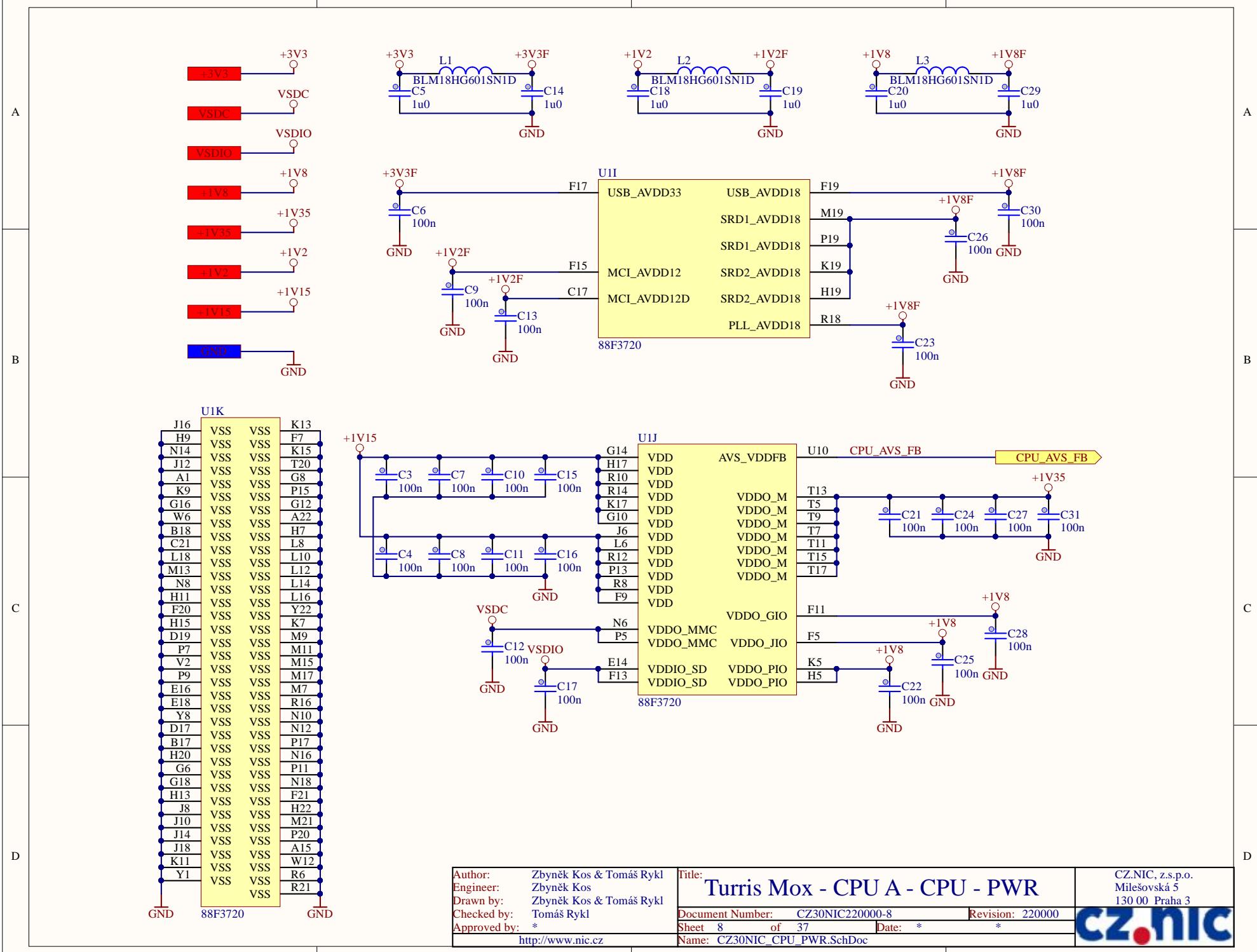
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 Document Number: CZ30NIC220000-5 Revision: 220000
 Sheet 5 of 37 Date: * *
 Name: CZ30NIC_CPU_RAM.SchDoc

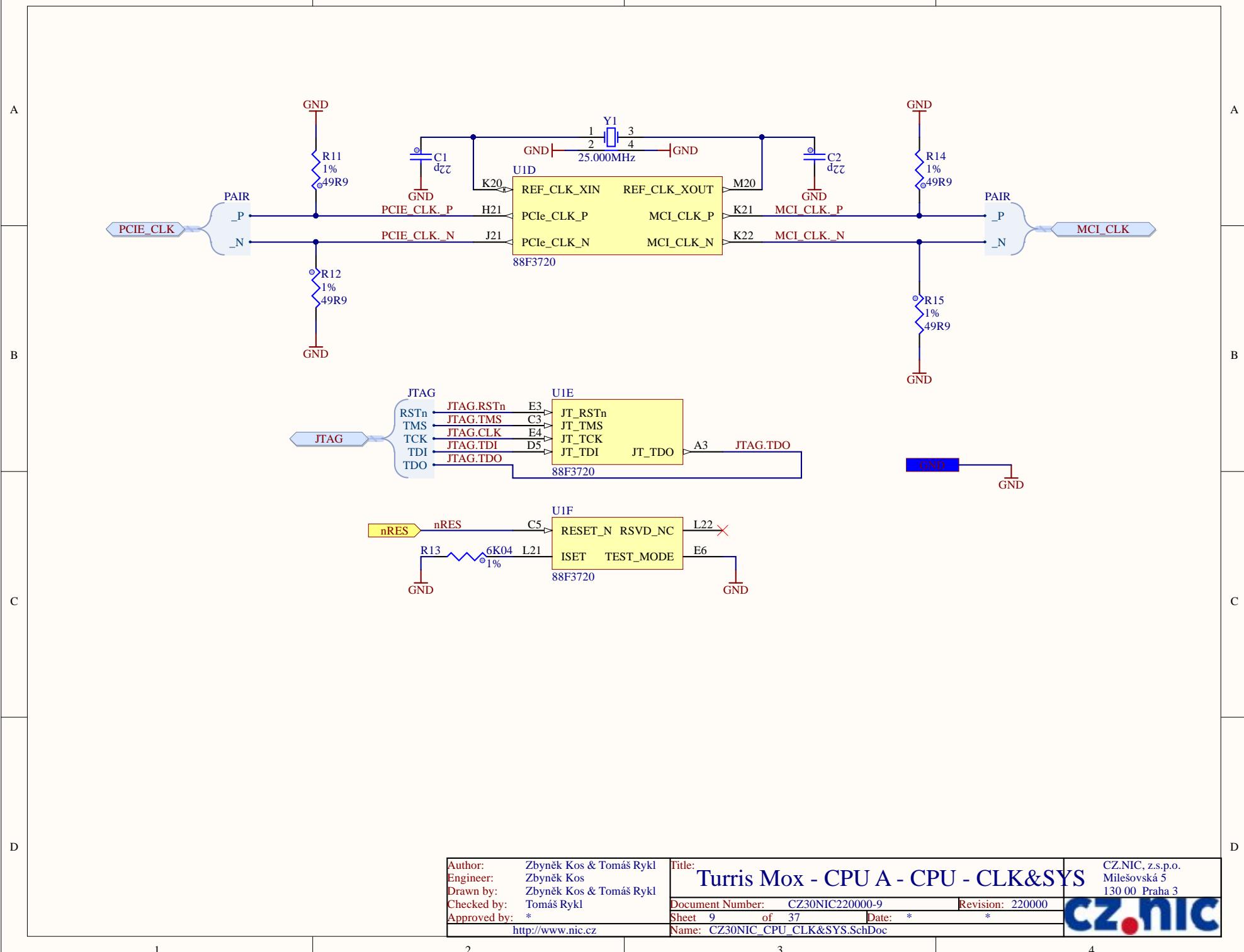
CZ.NIC, z.s.p.o.
 Milešovská 5
 130 00 Praha 3

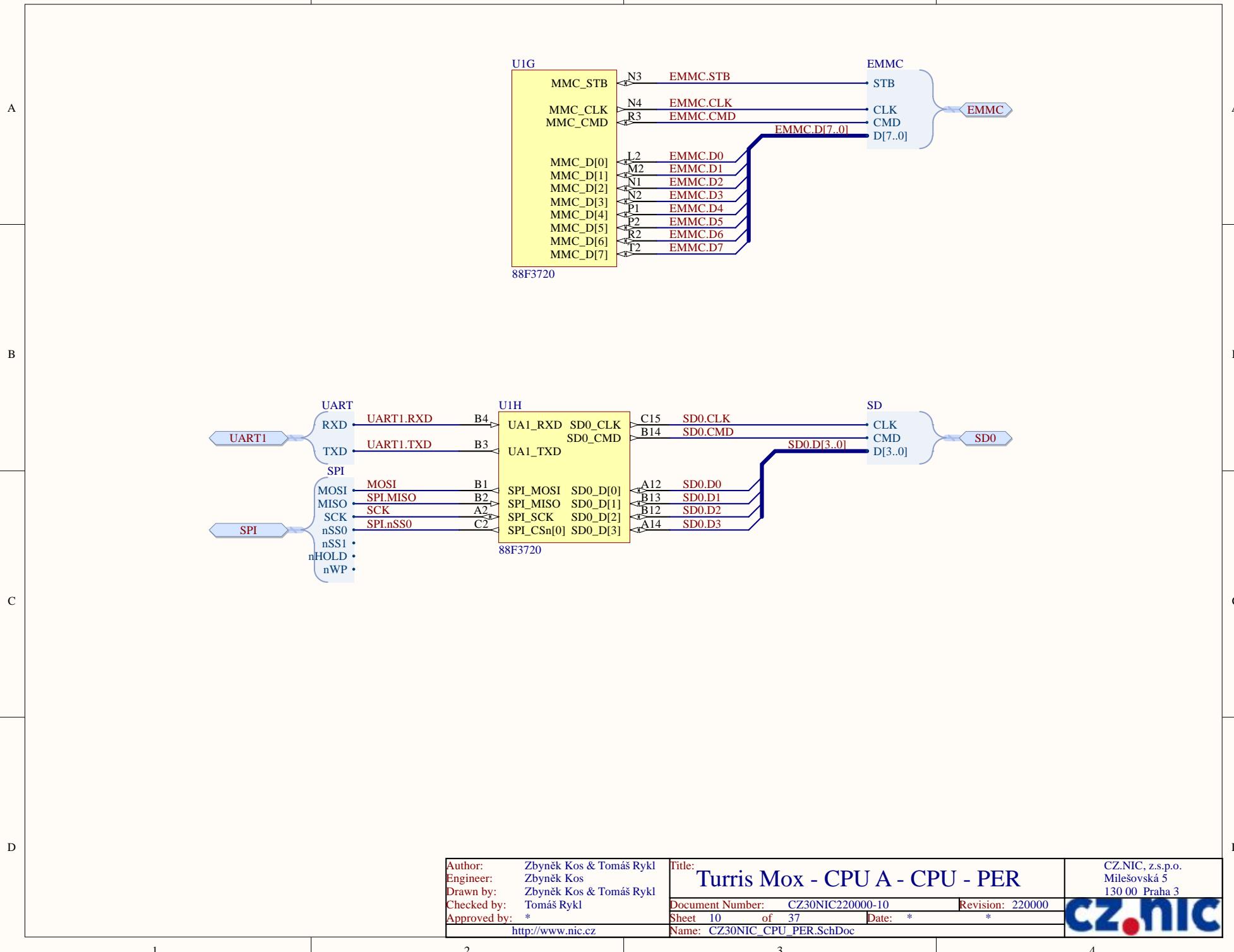






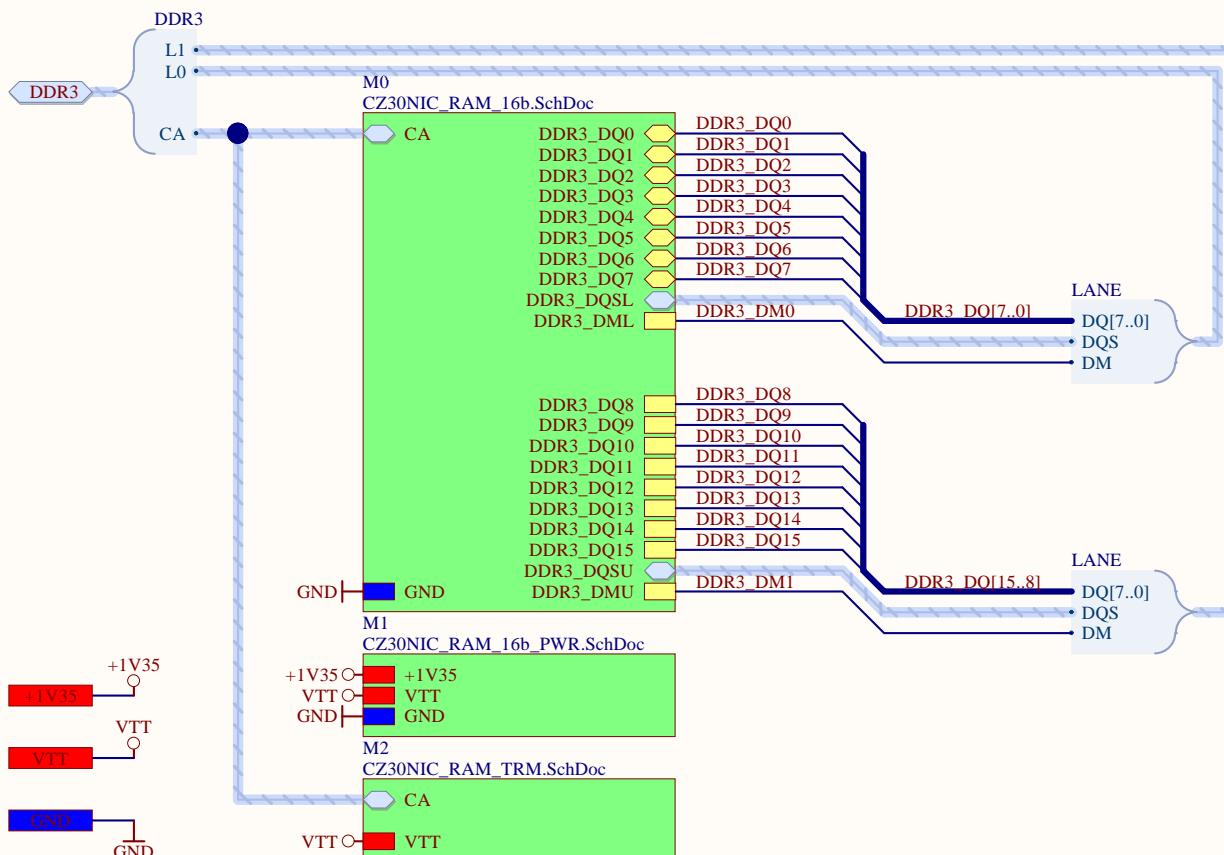






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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

<http://www.nic.cz>

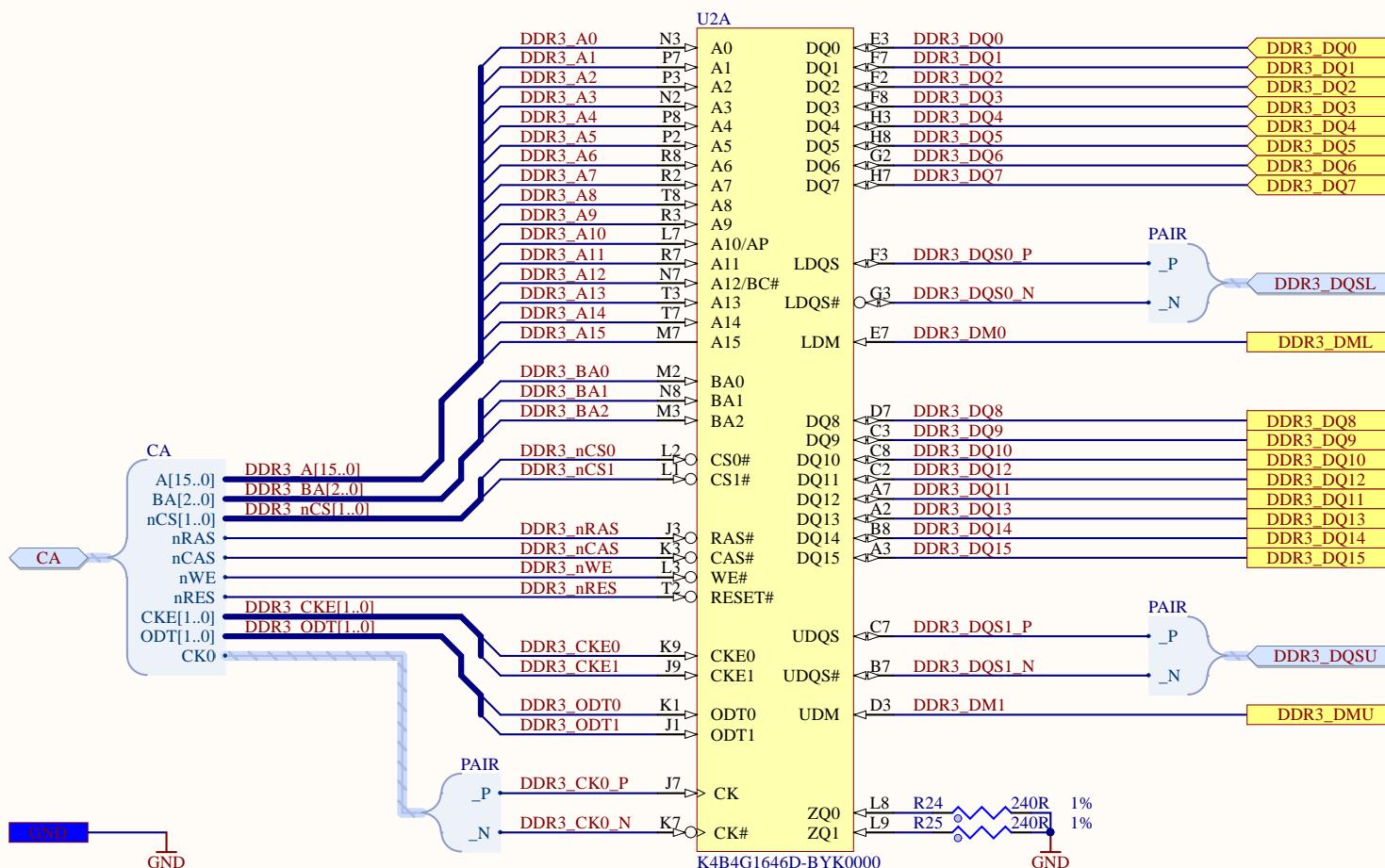
Title: Turris Mox - CPU A - RAM
 Document Number: CZ30NIC220000-11 Revision: 220000
 Sheet 11 of 37 Date: * *
 Name: CZ30NIC_RAM.SchDoc

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 130 00 Praha 3



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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *
<http://www.nic.cz>

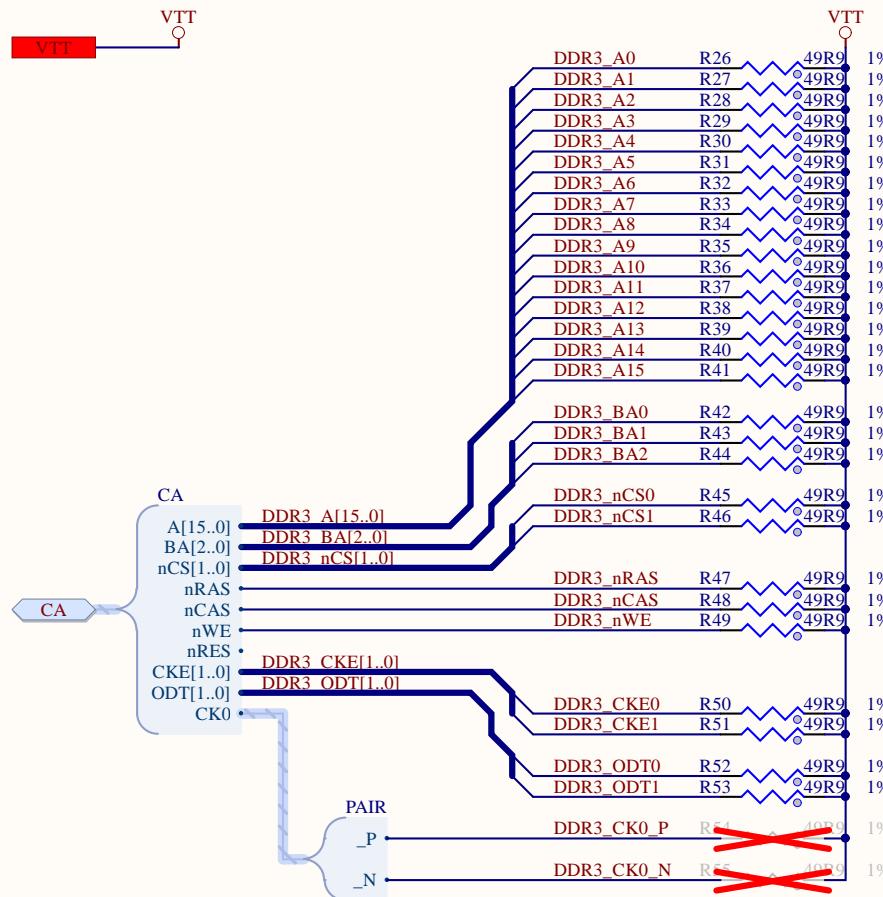
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 Document Number: CZ30NIC220000-12 Revision: 220000
 Sheet 12 of 37 Date: * *
 Name: CZ30NIC_RAM_16b.SchDoc

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 130 00 Praha 3



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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

<http://www.nic.cz>

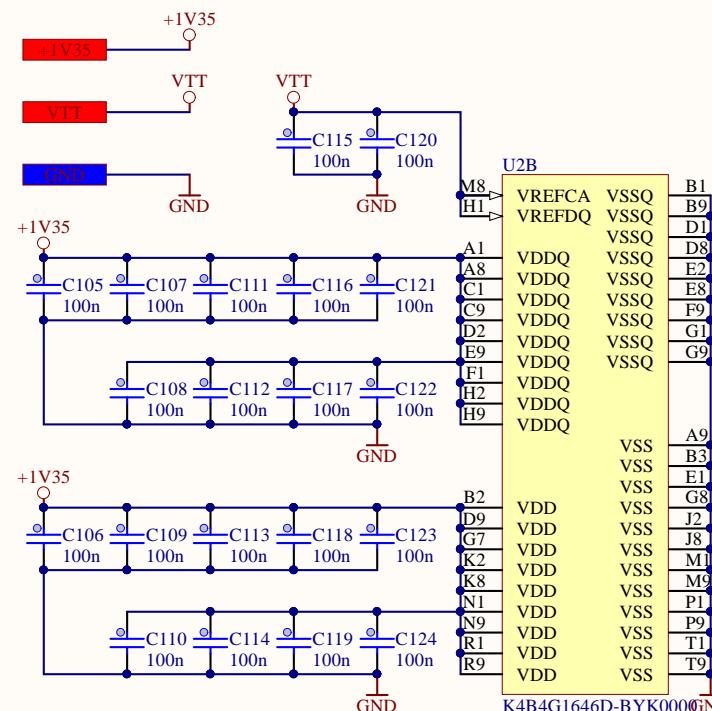
Title: Turris Mox - CPU A - RAM - TRM
 Document Number: CZ30NIC220000-13 Revision: 220000
 Sheet 13 of 37 Date: * *
 Name: CZ30NIC_RAM_TRM.SchDoc

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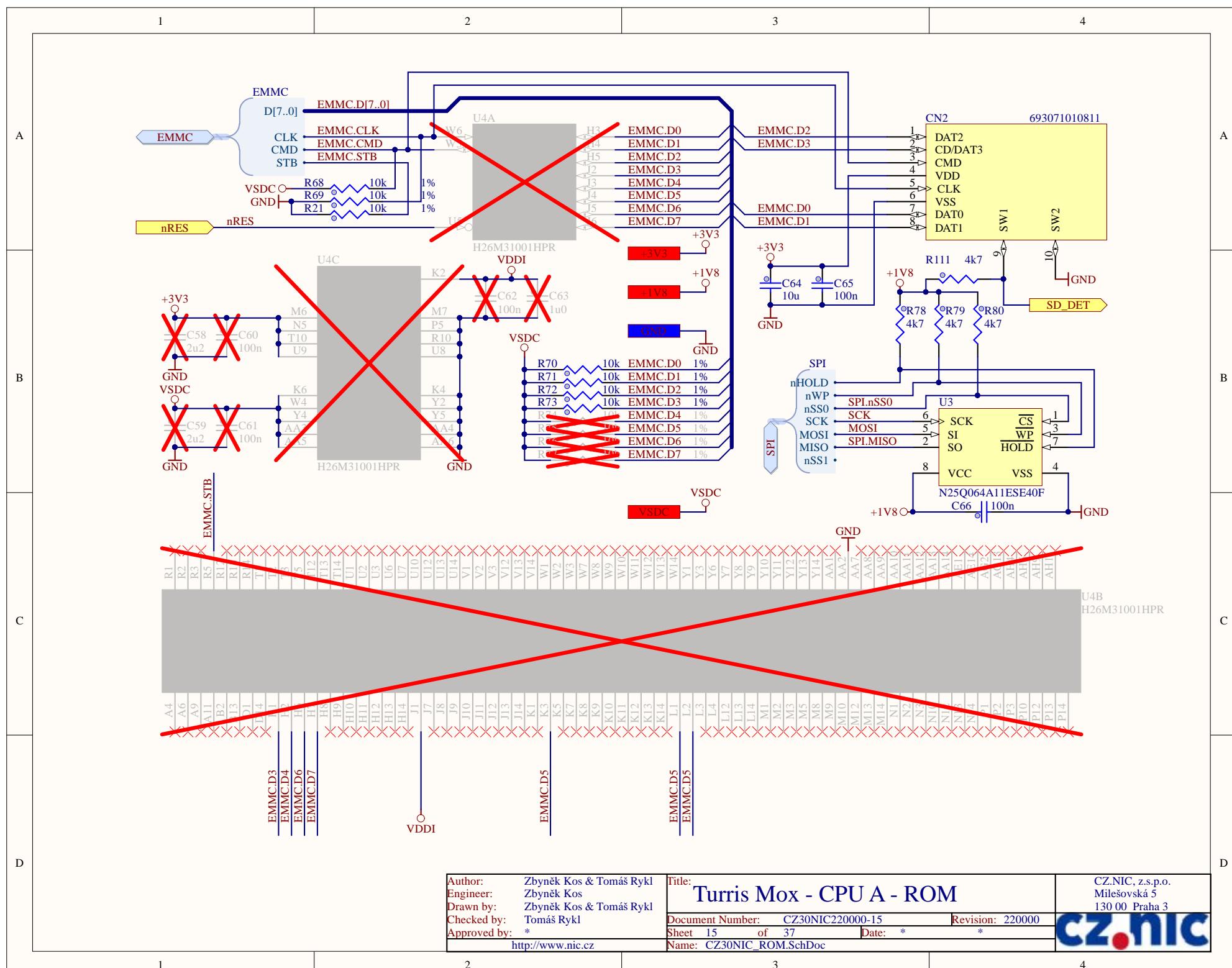
Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

<http://www.nic.cz>

Title: Turris Mox - CPU A - RAM - 16b - PWR
 Document Number: CZ30NIC220000-14 Revision: 220000
 Sheet 14 of 37 Date: * *
 Name: CZ30NIC_RAM_16b_PWR.SchDoc

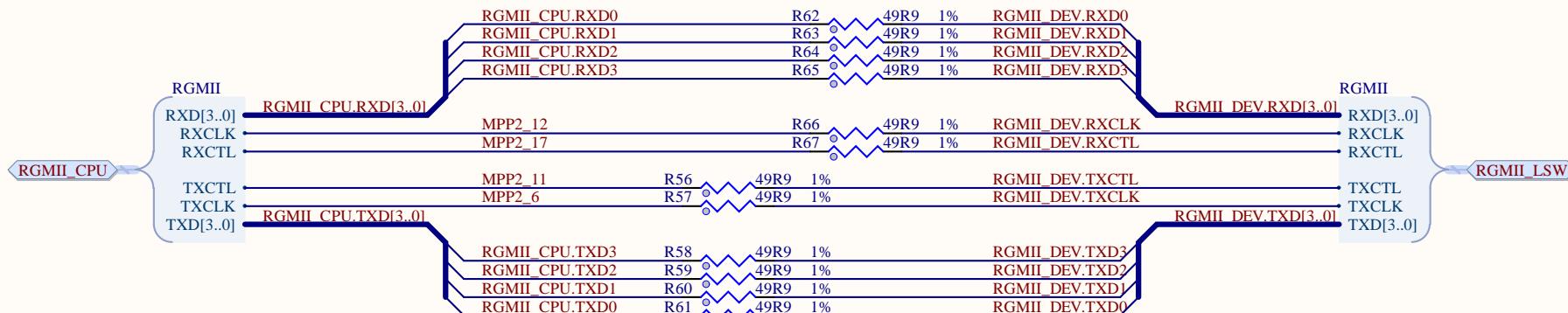
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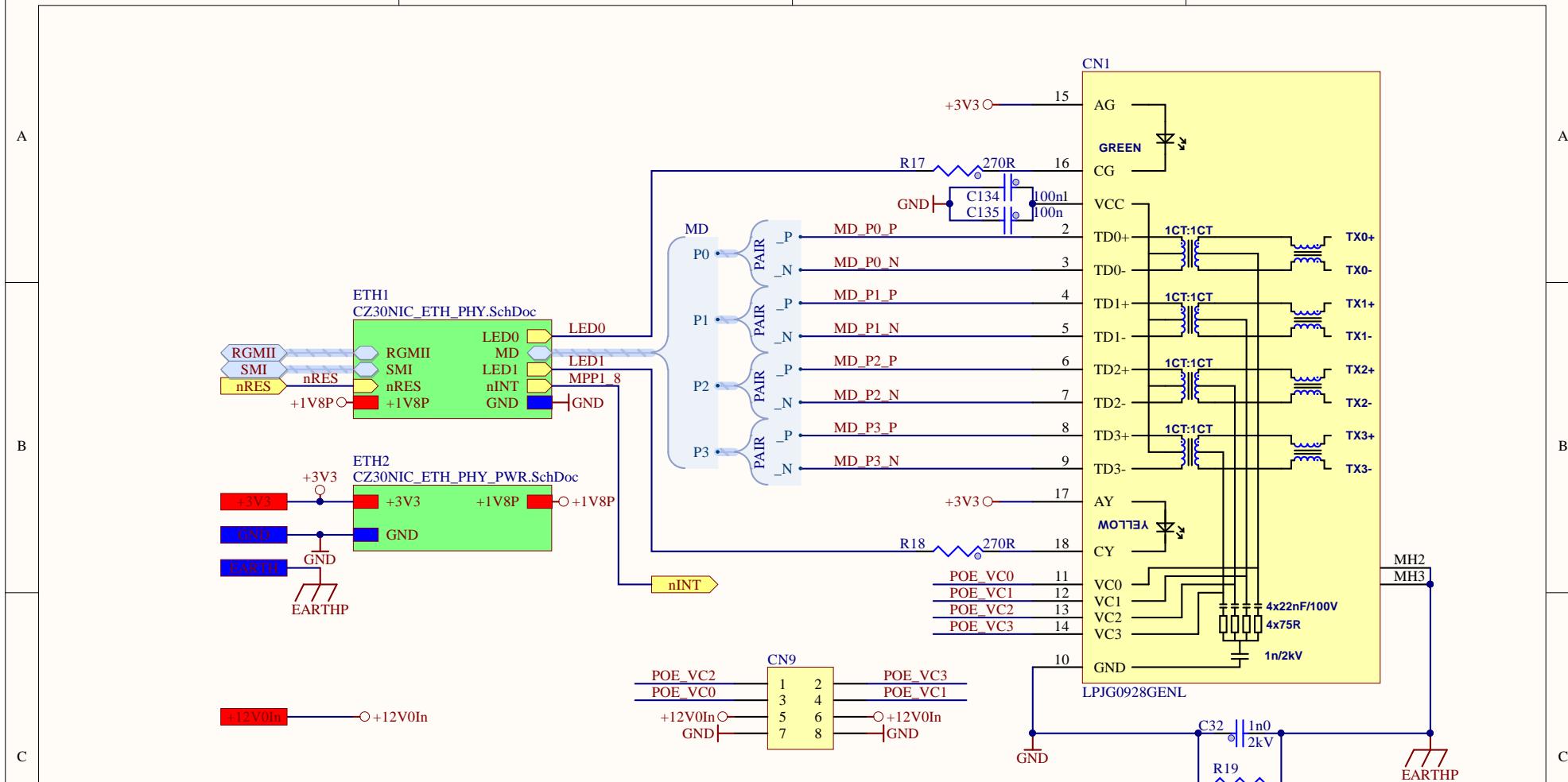
Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

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Title: **Turris Mox - CPU A - RGMII TRM**
 Document Number: CZ30NIC220000-16 Revision: 220000
 Sheet 16 of 37 Date: * *
 Name: CZ30NIC_RGMII_TRM.SchDoc

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Author: Zbyněk Kos & Tomáš Rykl
Engineer: Zbyněk Kos
Drawn by: Zbyněk Kos & Tomáš Rykl
Checked by: Tomáš Rykl
Approved by: *

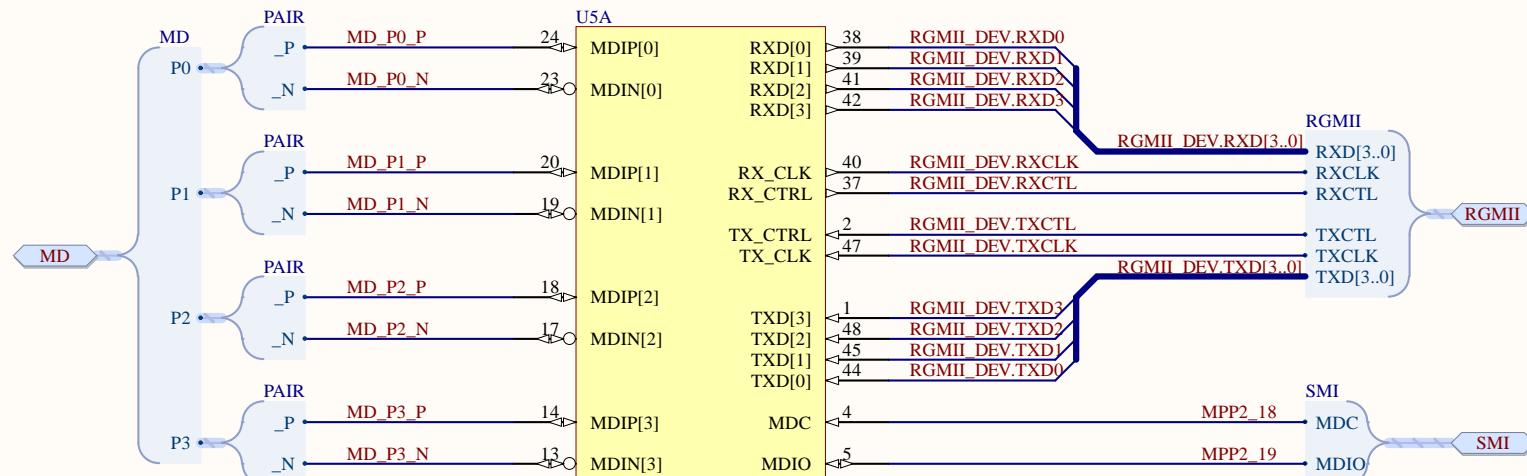
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1 Title: Turris Mox - CPU A - ETH
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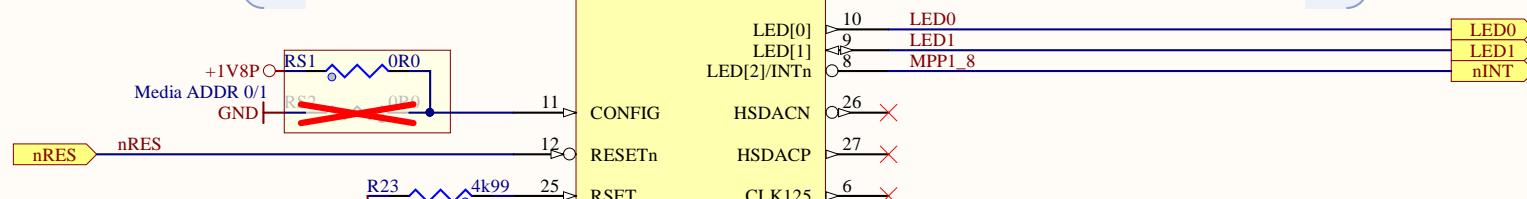
CZ.NIC, z.s.p.o.
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130 00 Praha 3

150 00 Praha 5

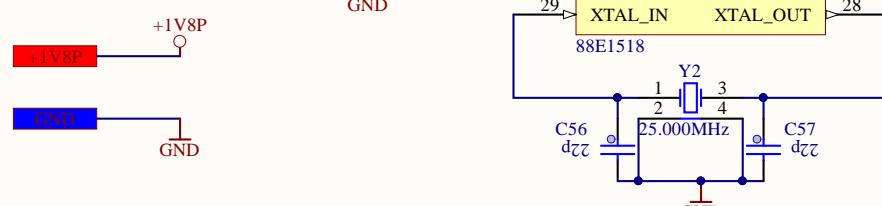
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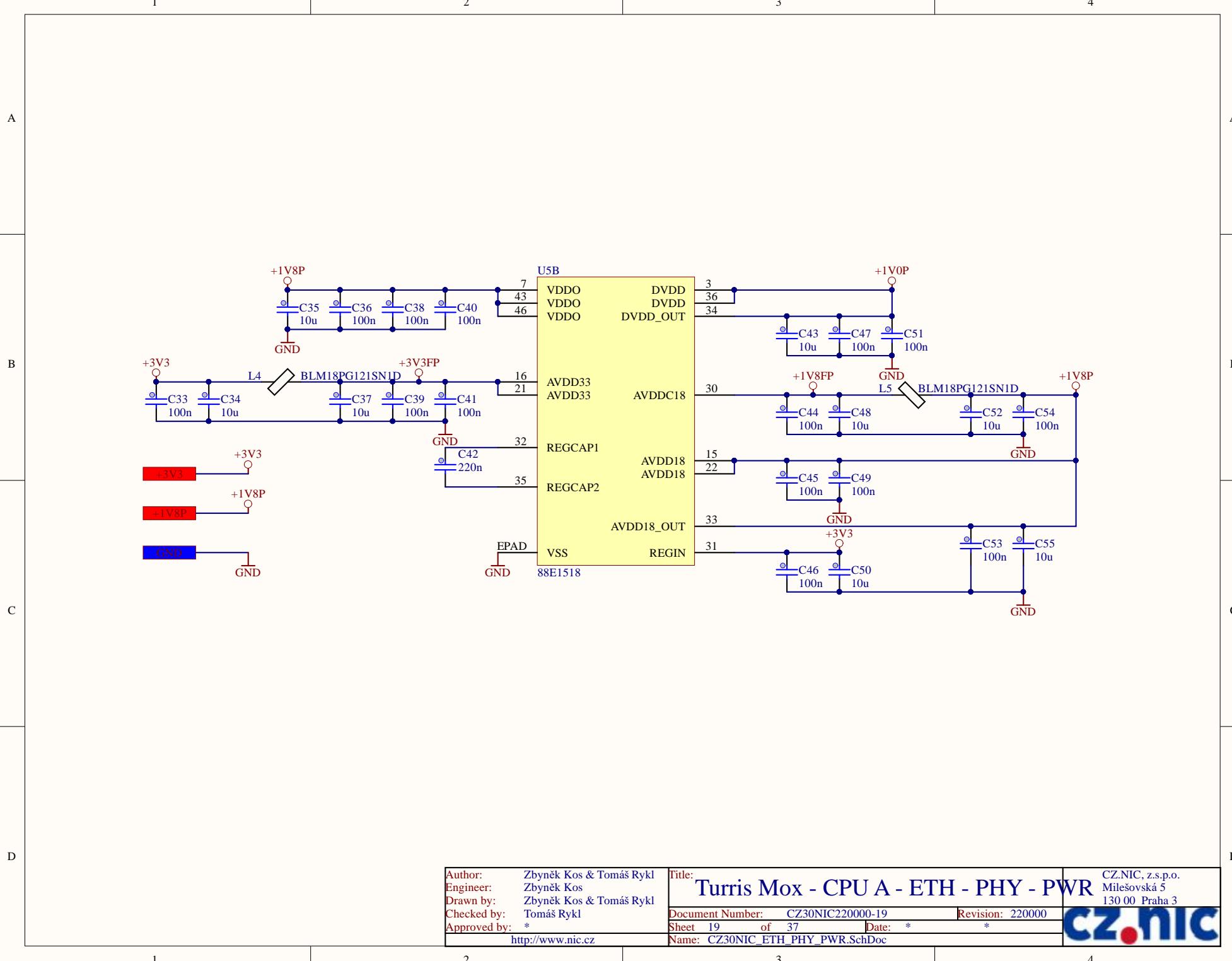
Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

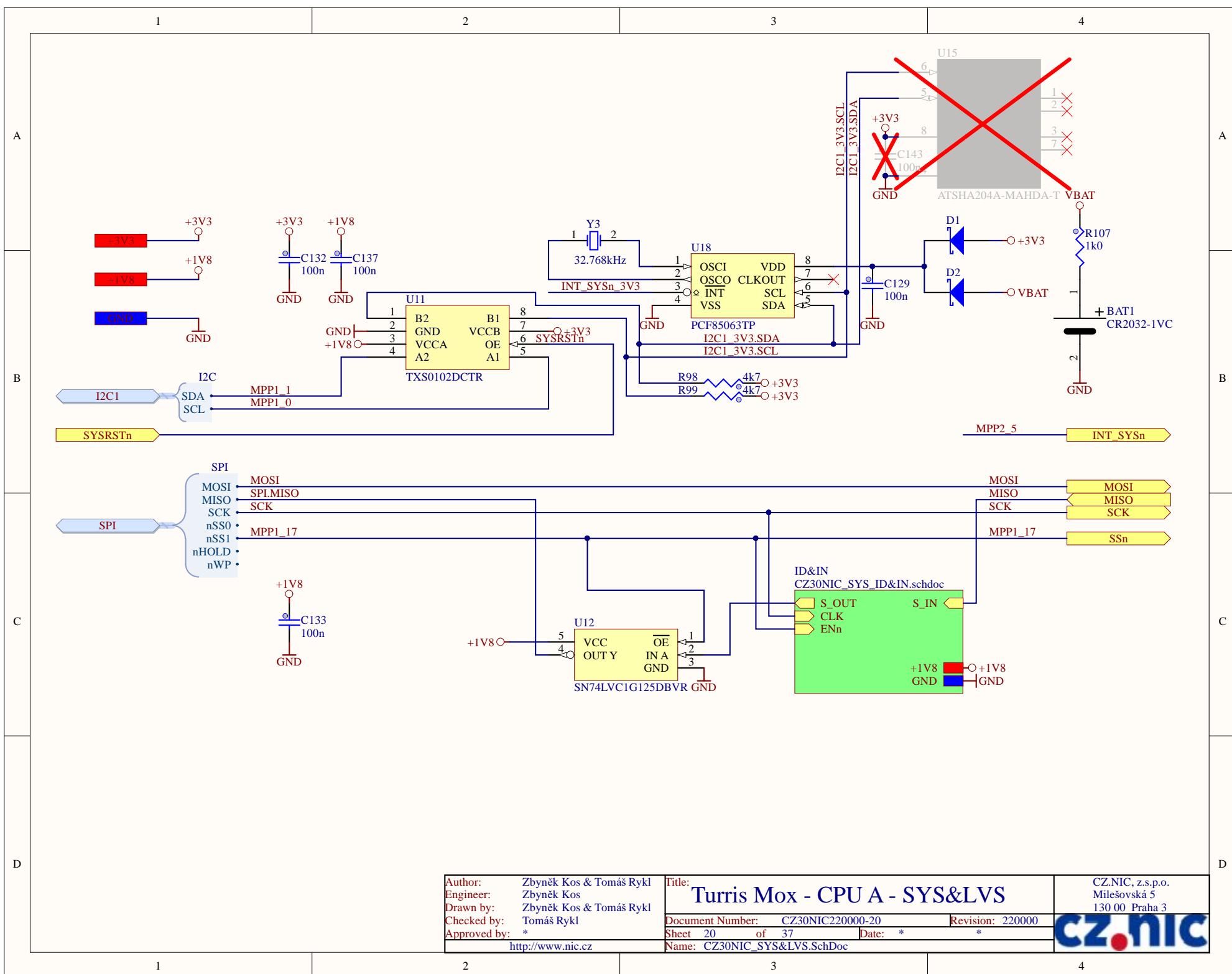
<http://www.nic.cz>

Title: Turris Mox - CPU A - ETH - PHY
 Document Number: CZ30NIC220000-18 Revision: 220000
 Sheet 18 of 37 Date: * *
 Name: CZ30NIC_ETH_PHY.SchDoc

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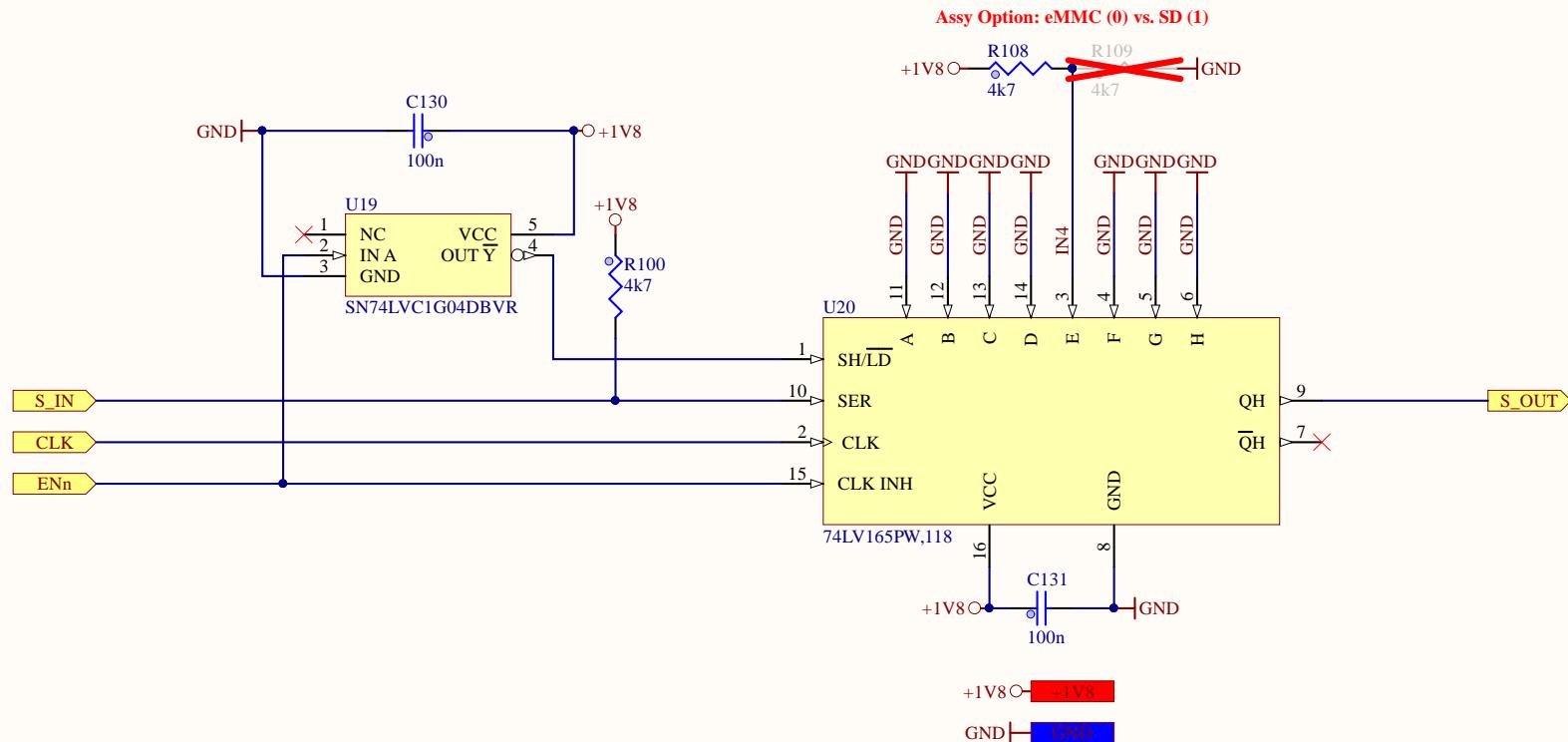
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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

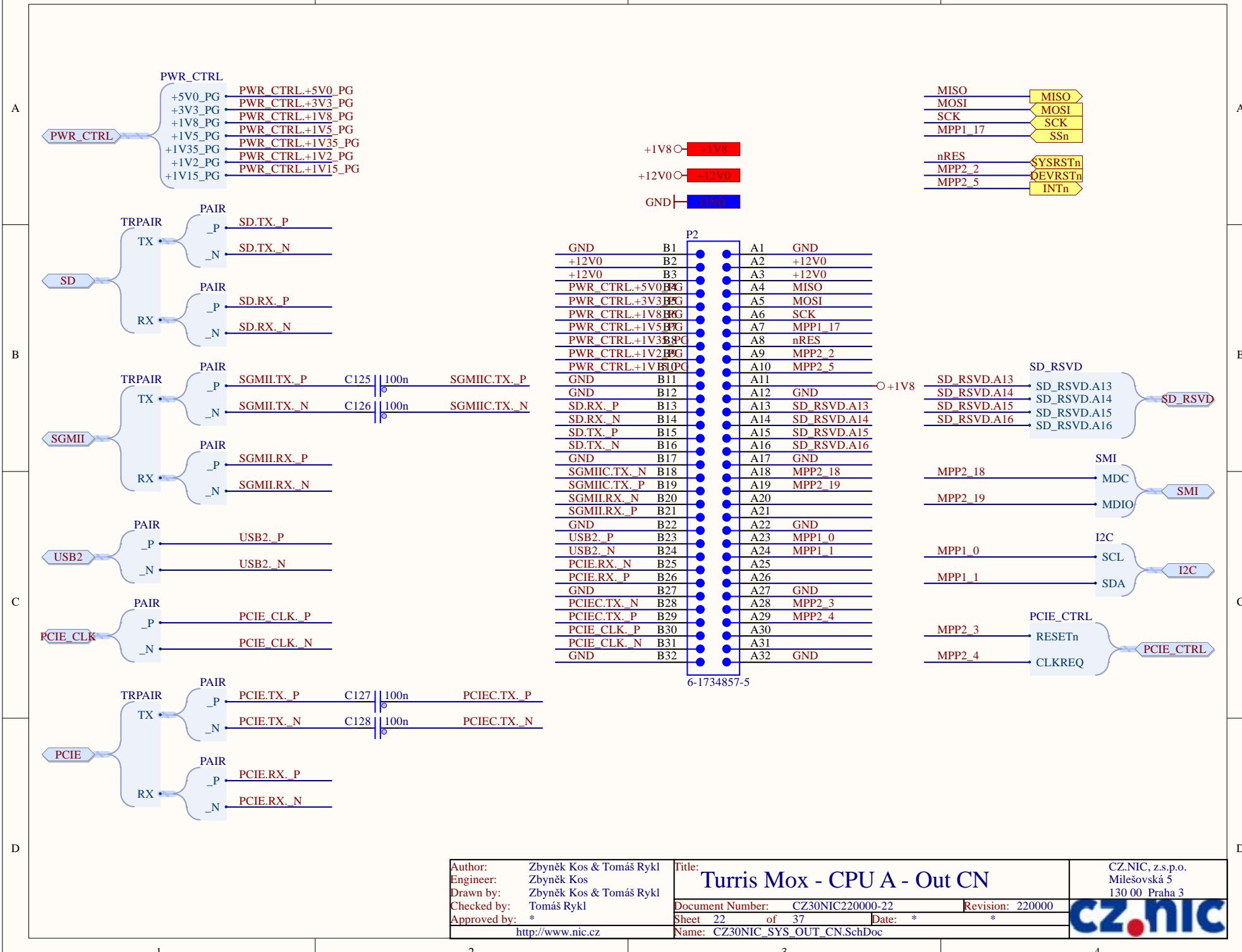
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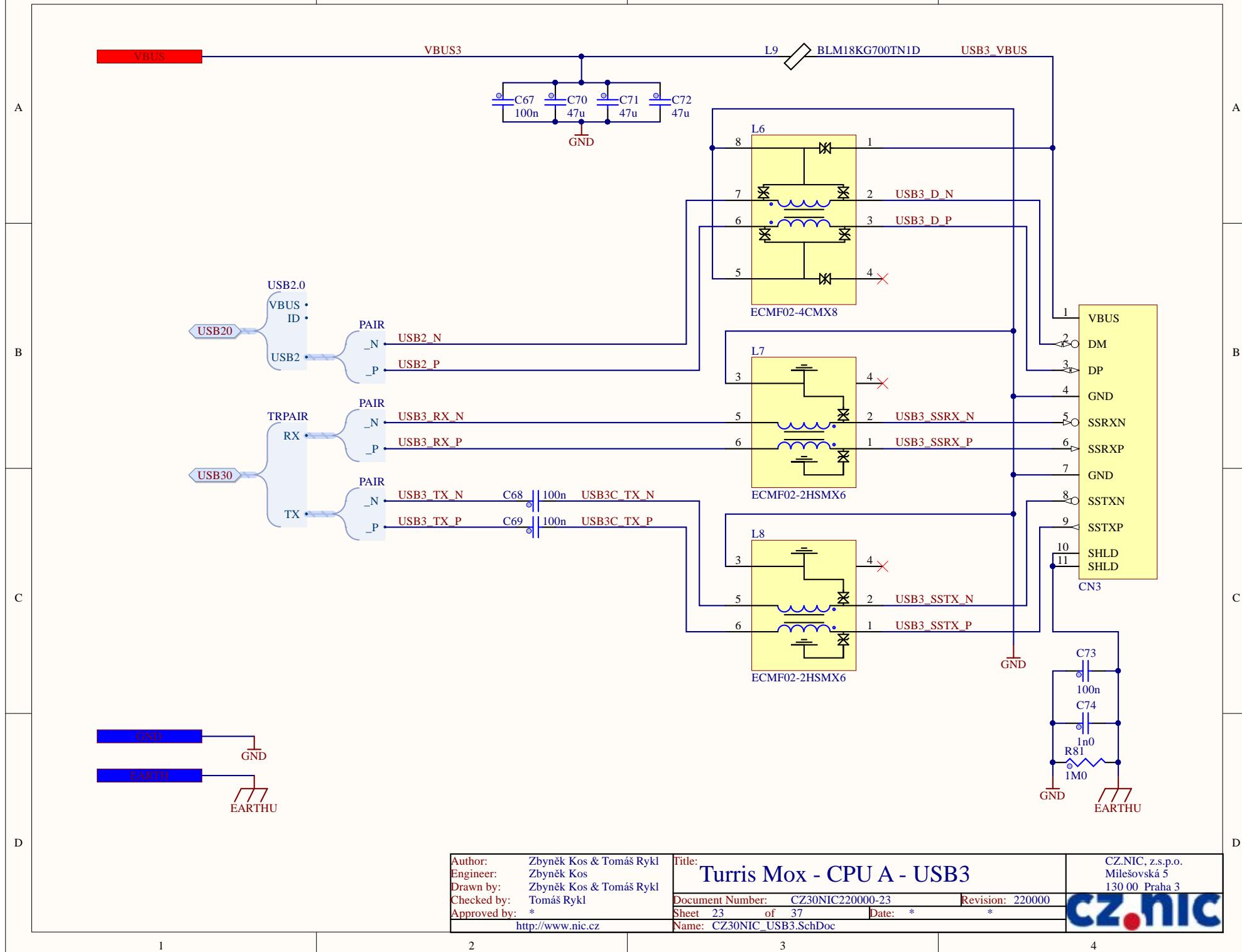
Title: Turris Mox - CPU A - ID&In

Document Number: CZ30NIC220000-21 Revision: 220000
 Sheet 21 of 37 Date: * *
 Name: CZ30NIC_SYS_ID&IN.schdoc

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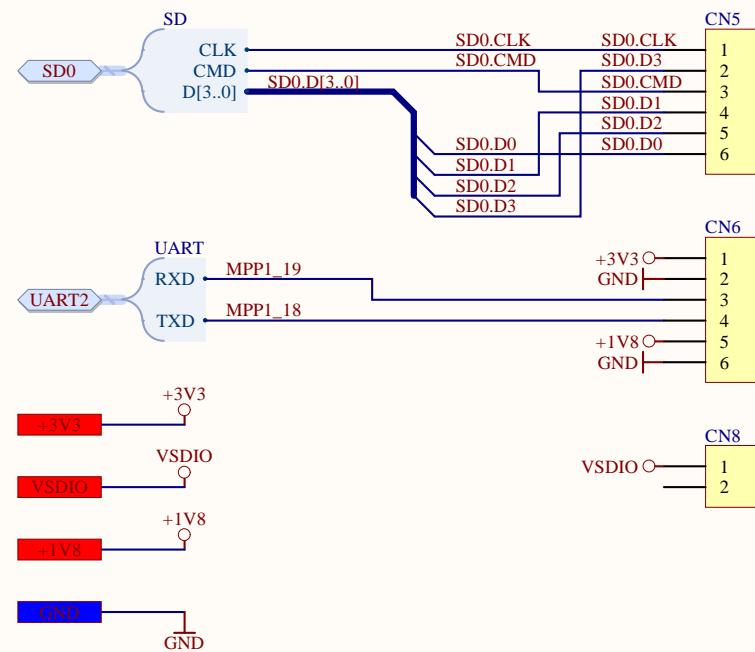
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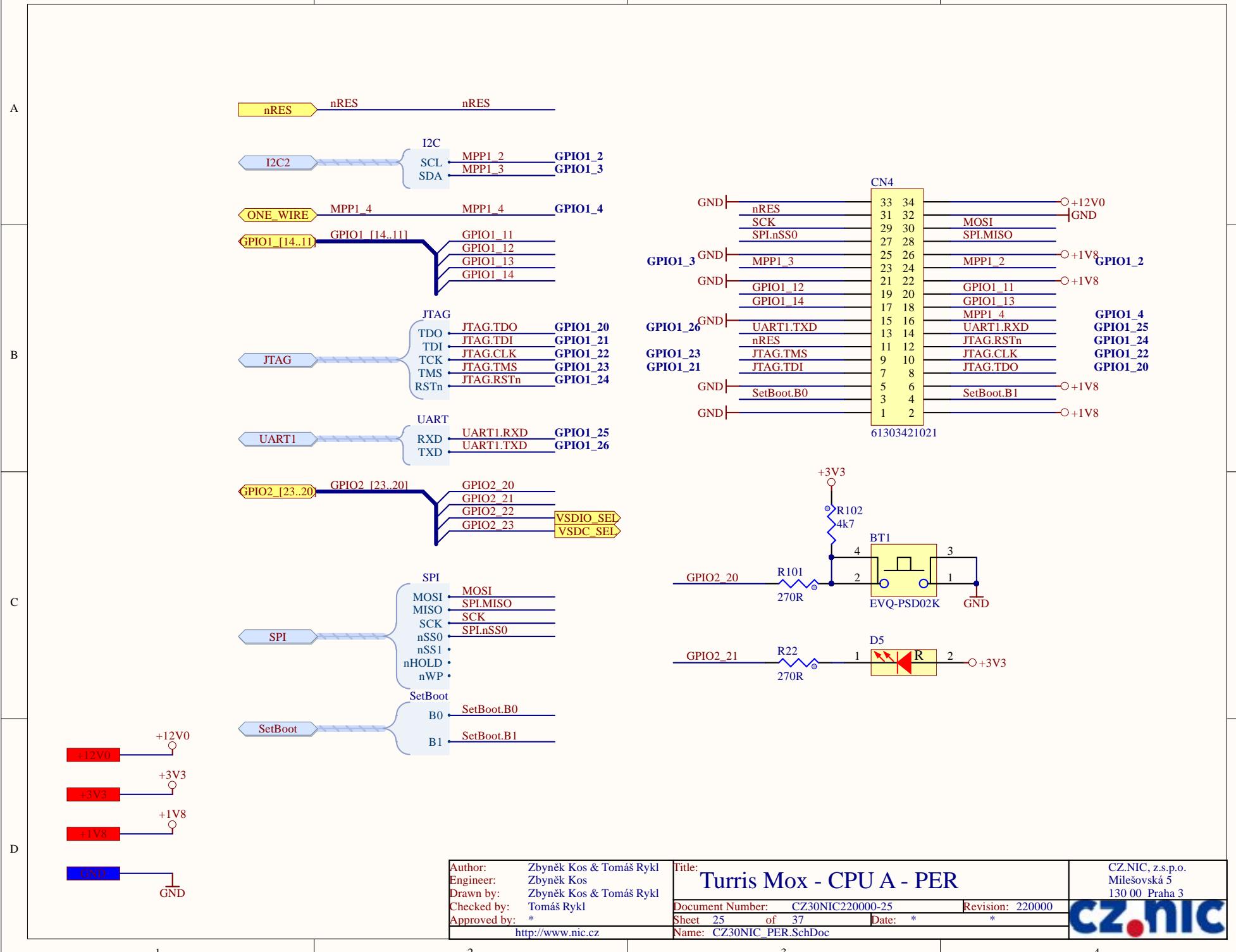
Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

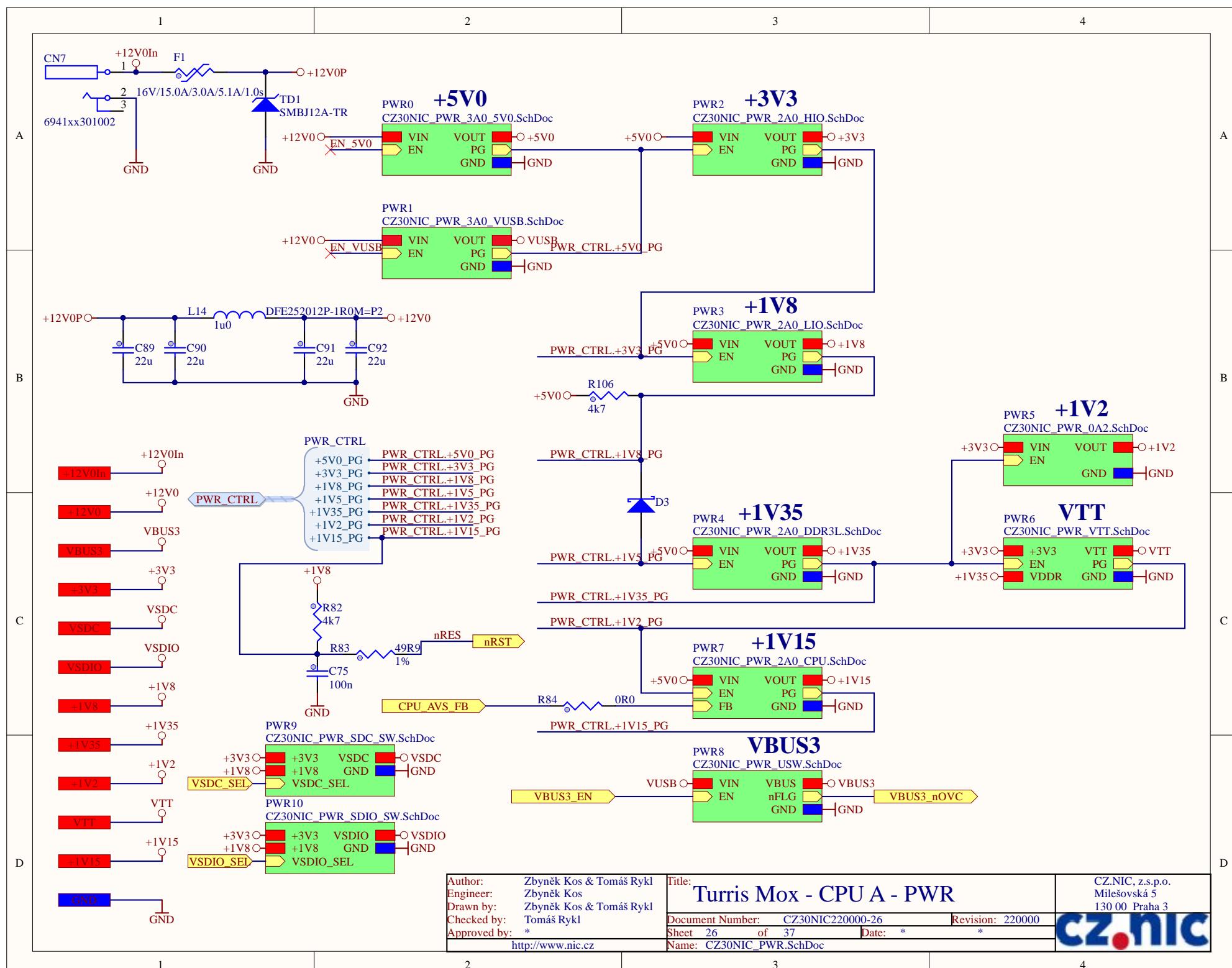
<http://www.nic.cz>

Title: **Turris Mox - CPU A - WiFi**
 Document Number: CZ30NIC220000-24 Revision: 220000
 Sheet 24 of 37 Date: * *
 Name: CZ30NIC_WiFi.SchDoc

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 130 00 Praha 3







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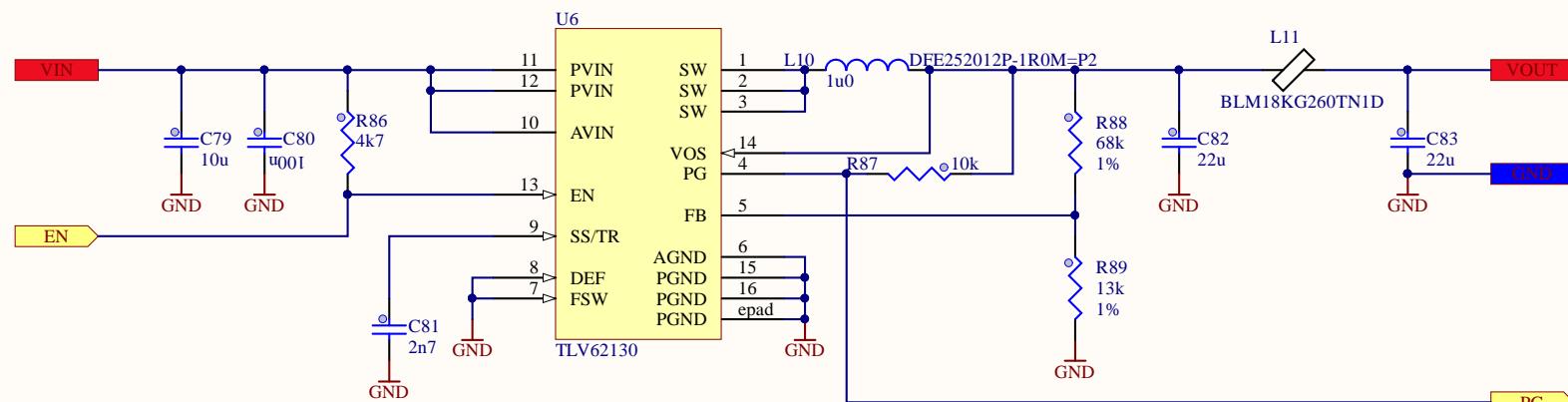
B

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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

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Title: Turris Mox - CPU A - PWR - 5V0
 Document Number: CZ30NIC220000-27 Revision: 220000
 Sheet 27 of 37 Date: * *
 Name: CZ30NIC_PWR_3A0_5V0.SchDoc

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 Milešovská 5
 130 00 Praha 3



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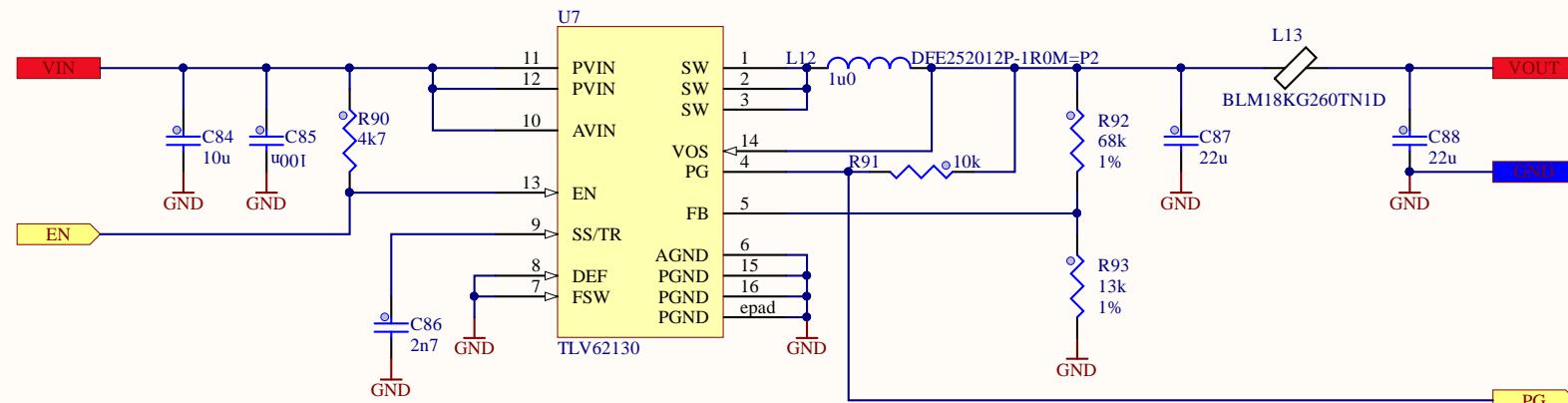
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Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Mox - CPU A - PWR - VUSB	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos			
Drawn by:	Zbyněk Kos & Tomáš Rykl			
Checked by:	Tomáš Rykl	Document Number:	CZ30NIC220000-28	Revision: 220000
Approved by:	*	Sheet	28 of 37	Date: * * *
		Name:	CZ30NIC_PWR_3A0_VUSB.SchDoc	
			http://www.nic.cz	

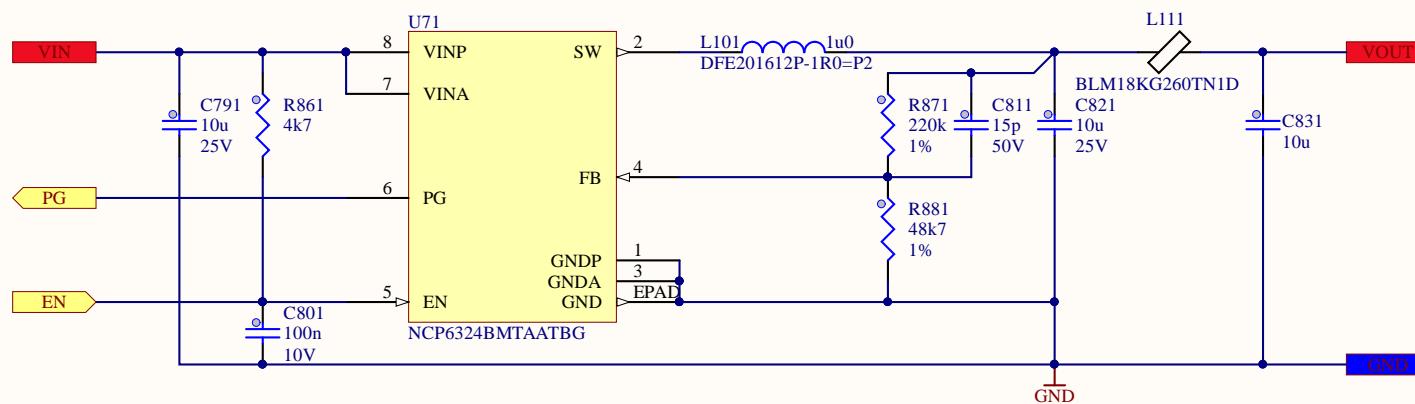
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Vout	Vfb	R1	R2
3,3	0,6	220000	48889
1,8	0,6	220000	110000
1,5	0,6	270000	180000
1,35	0,6	220000	176000
1,2	0,6	220000	220000
1,15	0,6	220000	240000

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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

<http://www.nic.cz>

Title:

Turris Mox - CPU A - PWR - 3V3

Document Number: CZ30NIC220000-29 Revision: 220000

Sheet 29 of 37 Date: * *

Name: CZ30NIC_PWR_2A0_HIO.SchDoc

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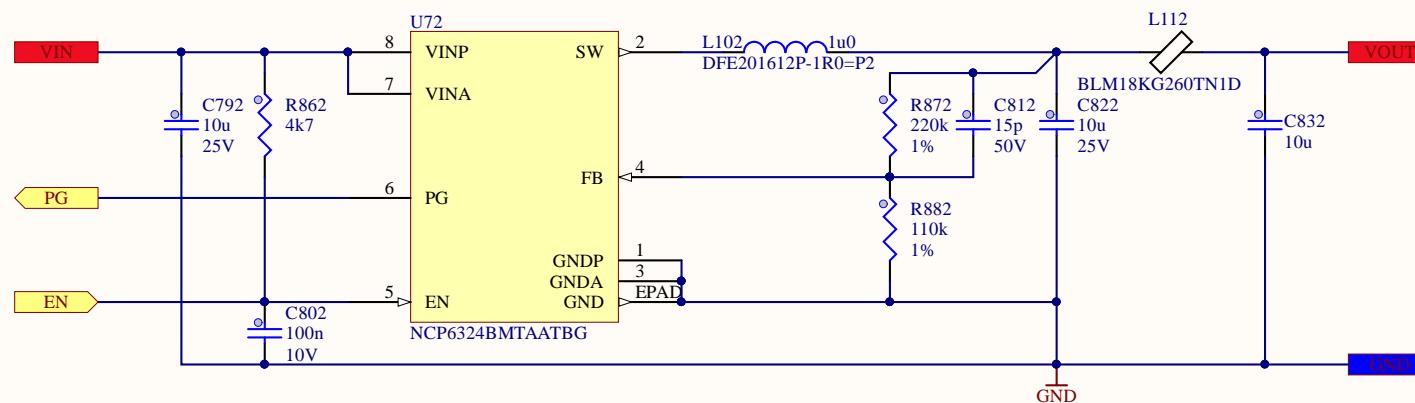
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Vout	Vfb	R1	R2
3,3	0,6	220000	48889
1,8	0,6	220000	110000
1,5	0,6	270000	180000
1,35	0,6	220000	176000
1,2	0,6	220000	220000
1,15	0,6	220000	240000

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Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Mox - CPU A - PWR - 1V8	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos			
Drawn by:	Zbyněk Kos & Tomáš Rykl			
Checked by:	Tomáš Rykl	Document Number:	CZ30NIC220000-30	Revision: 220000
Approved by:	*	Sheet	30 of 37	Date: * * *
		Name:	CZ30NIC PWR 2A0 LIO.SchDoc	
			http://www.nic.cz	

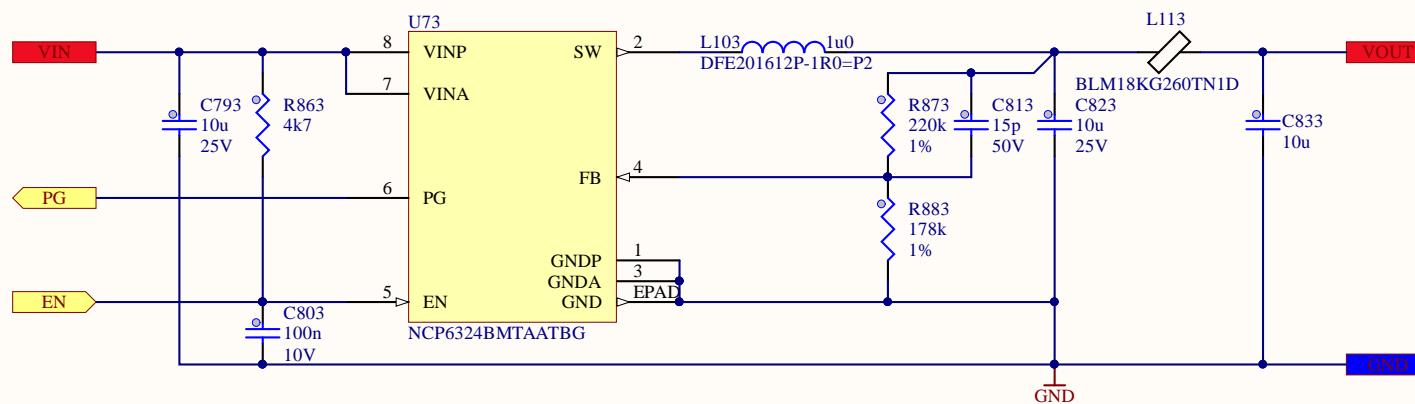
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Vout	Vfb	R1	R2
3,3	0,6	220000	48889
1,8	0,6	220000	110000
1,5	0,6	270000	180000
1,35	0,6	220000	176000
1,2	0,6	220000	220000
1,15	0,6	220000	240000

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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

<http://www.nic.cz>

Title: Turris Mox - CPU A - PWR - 1V35
 Document Number: CZ30NIC220000-31 Revision: 220000
 Sheet 31 of 37 Date: * *
 Name: CZ30NIC_PWR_2A0_DDR3L.SchDoc

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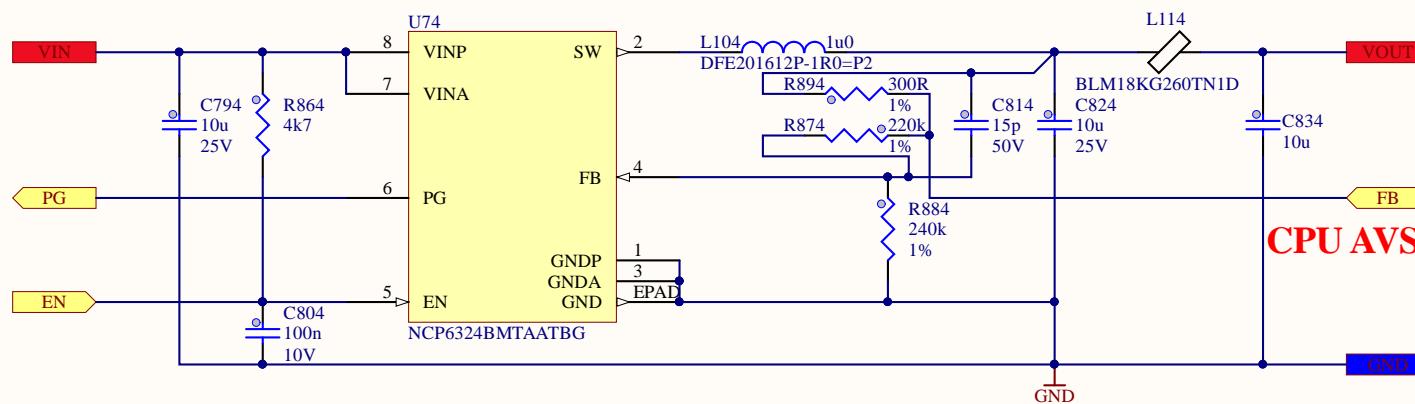
A

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Vout	Vfb	R1	R2
3,3	0,6	220000	48889
1,8	0,6	220000	110000
1,5	0,6	270000	180000
1,35	0,6	220000	176000
1,2	0,6	220000	220000
1,15	0,6	220000	240000

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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

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Title: Turris Mox - CPU A - PWR - 1V15
 Document Number: CZ30NIC220000-32 Revision: 220000
 Sheet 32 of 37 Date: * *
 Name: CZ30NIC_PWR_2A0_CPU.SchDoc

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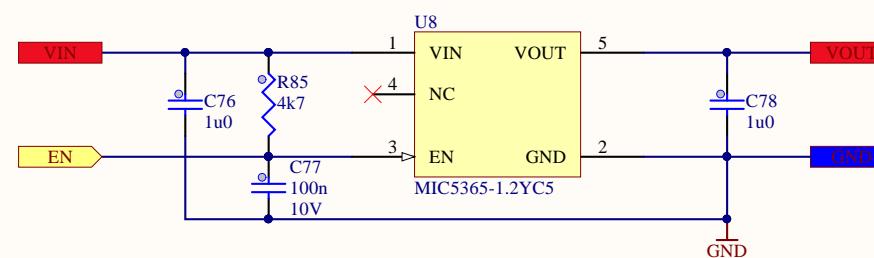
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Author: Zbyněk Kos & Tomáš Rykl	Title: Turris Mox - CPU A - PWR - 1V2	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer: Zbyněk Kos		
Drawn by: Zbyněk Kos & Tomáš Rykl		
Checked by: Tomáš Rykl	Document Number: CZ30NIC220000-33	Revision: 220000
Approved by: *	Sheet 33 of 37	Date: * * *
	Name: CZ30NIC_PWR_0A2.SchDoc	
	http://www.nic.cz	cz.nic

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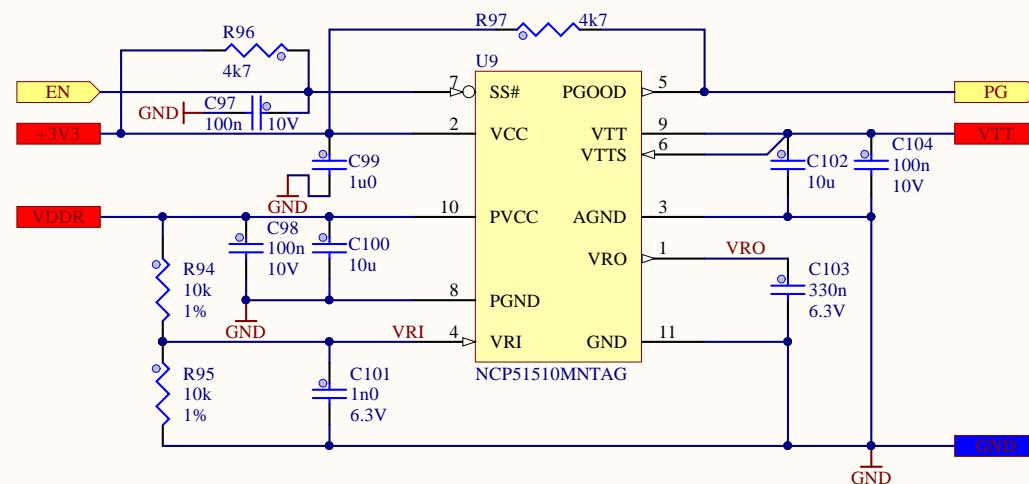
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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

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Title:

Turris Mox - CPU A - PWR - VTT

Document Number: CZ30NIC220000-34 Revision: 220000

Sheet 34 of 37 Date: * *

Name: CZ30NIC_PWR_VTT.SchDoc

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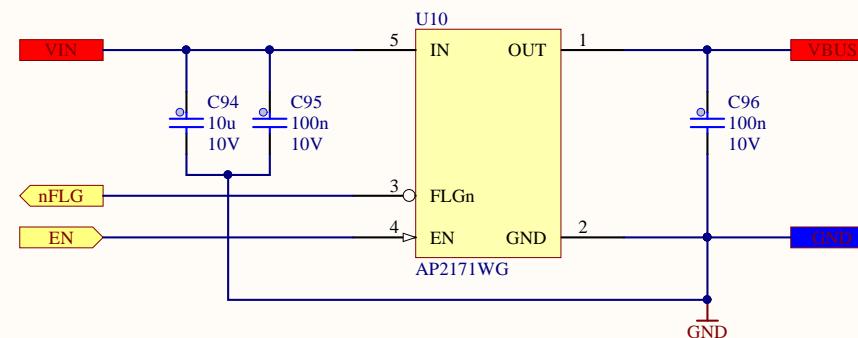
B

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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *

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Title: Turris Mox - CPU A - PWR - USW
 Document Number: CZ30NIC220000-35 Revision: 220000
 Sheet 35 of 37 Date: * *
 Name: CZ30NIC_PWR_USW.SchDoc

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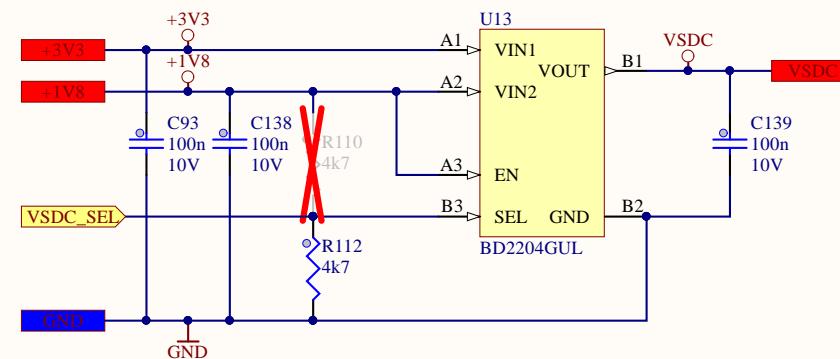
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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *
<http://www.nic.cz>

Title: Turris Mox - CPU A - PWR - SDC SW
 Document Number: CZ30NIC220000-36 Revision: 220000
 Sheet 36 of 37 Date: * *
 Name: CZ30NIC_PWR_SDC_SW.SchDoc

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130 00 Praha 3



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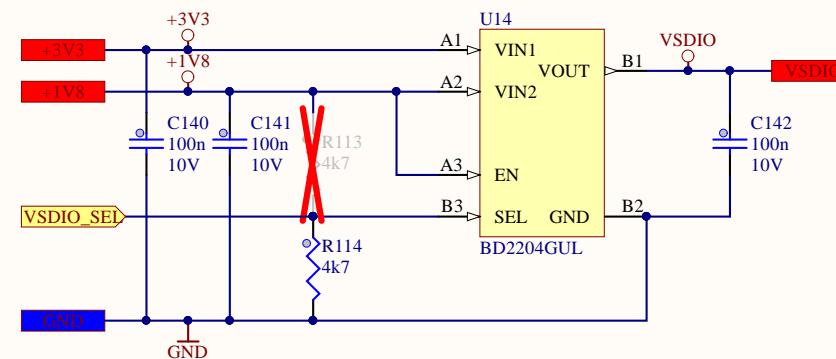
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Author: Zbyněk Kos & Tomáš Rykl
 Engineer: Zbyněk Kos
 Drawn by: Zbyněk Kos & Tomáš Rykl
 Checked by: Tomáš Rykl
 Approved by: *
<http://www.nic.cz>

Title: Turris Mox - CPU A - PWR - SDIO SW
 Document Number: CZ30NIC220000-37 Revision: 220000
 Sheet 37 of 37 Date: * *
 Name: CZ30NIC_PWR_SDIO_SW.SchDoc

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