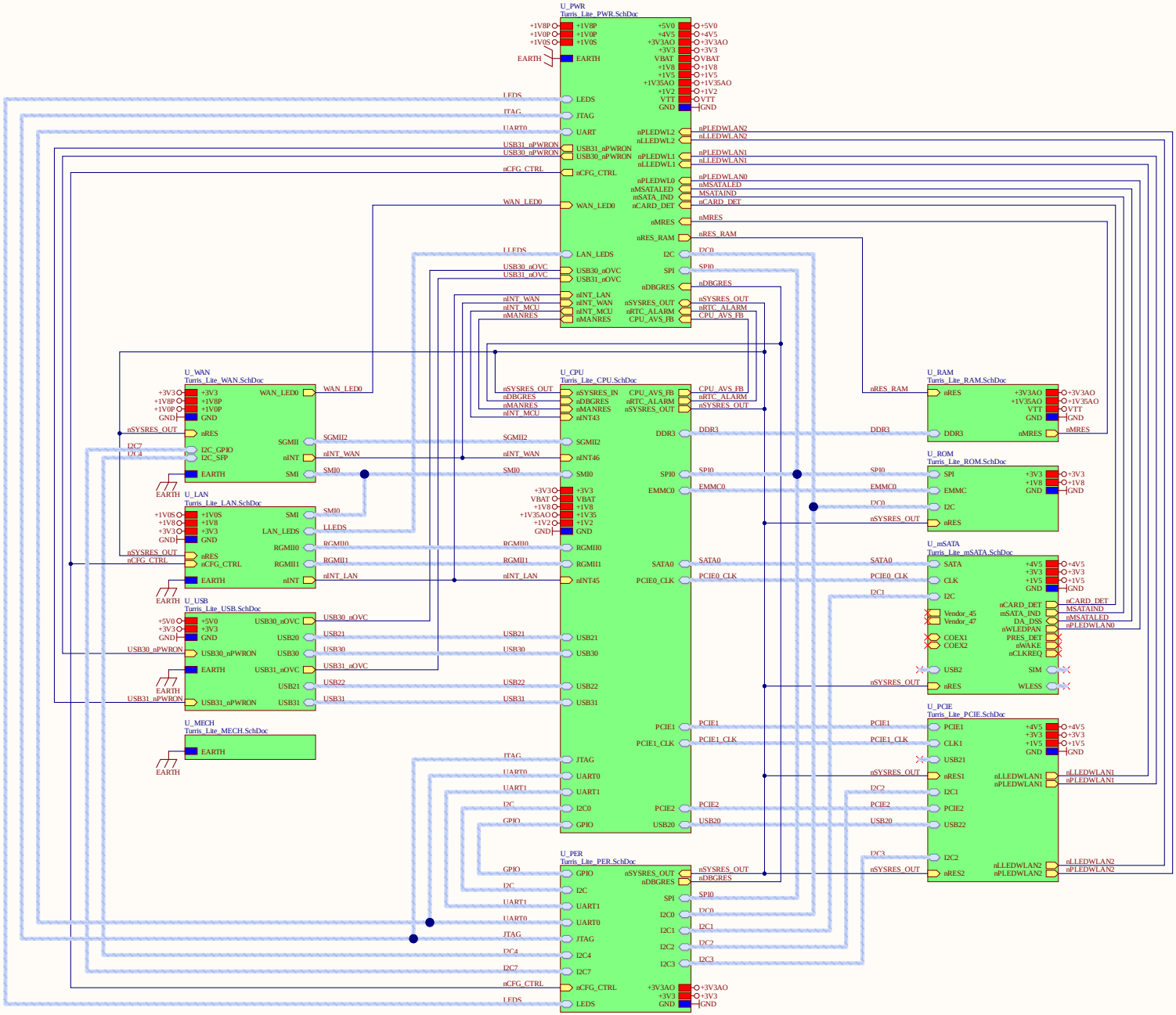

Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - Top
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number:	CZ11NIC230000-1
Approved by:	*	Revision:	230000
http://www.nic.cz		Sheet 1 of 26	Date: * *
		Name: Turris_Lite.SchDoc	

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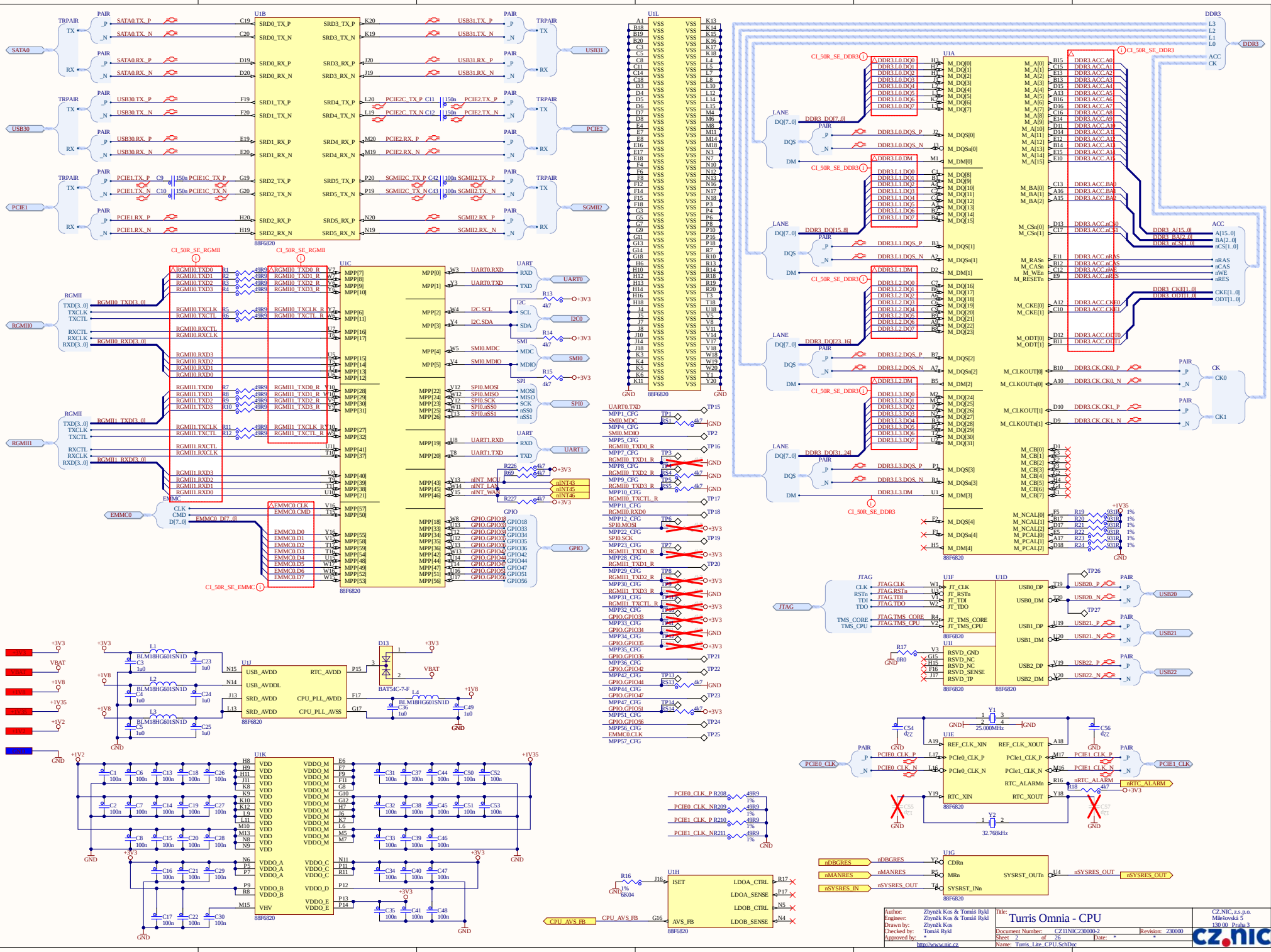
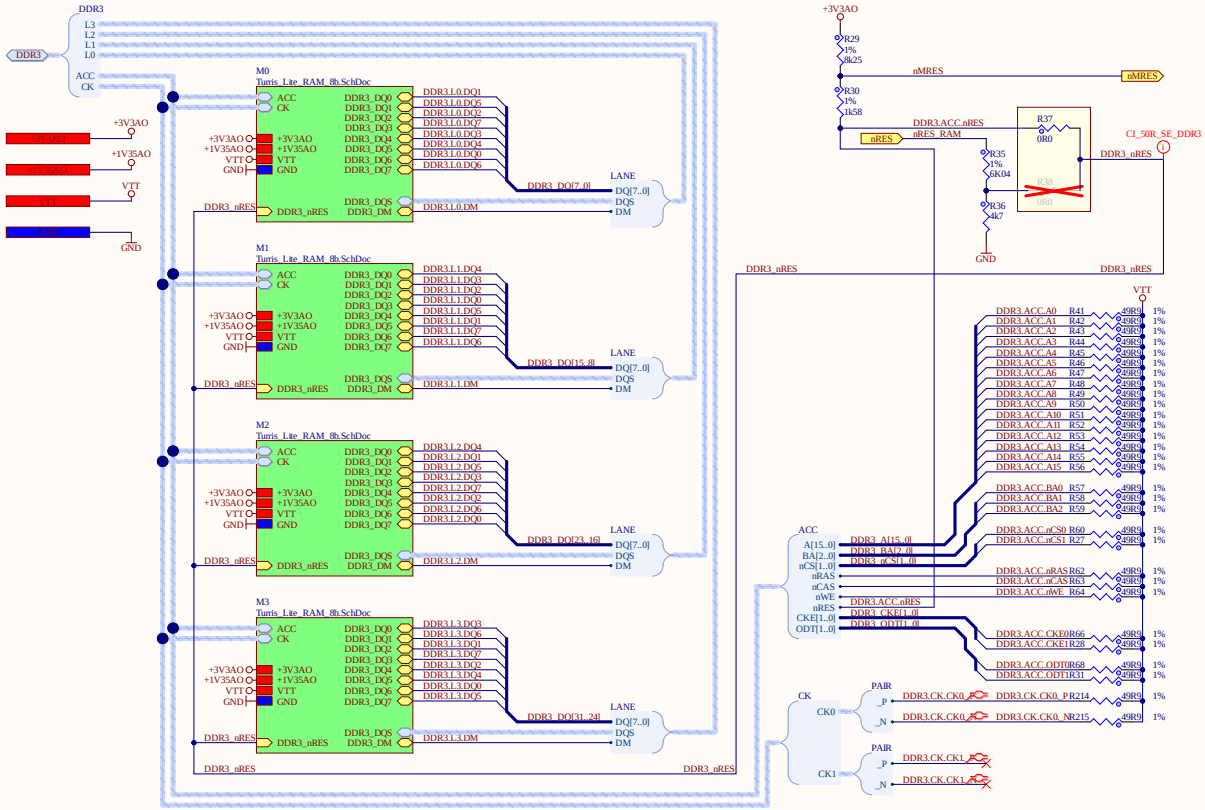
Milešovská 5
130 00 Praha 3



Author: Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - CPU		CZ.NIC, z.s.p.o.
Engineer: Zbyněk Kos & Tomáš Rykl			Milešovská 5
Drawn by: Zbyněk Kos			130 00 Praha 3
Checked by: Tomáš Rykl	Document Number: CZ11NIC230000-2	Revision: 230000	
Approved by: *	Sheet 2 of 26	Date: * *	
http://www.nic.cz	Name: Turris_Lite_CPU.SchDoc		



Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - RAM
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number:	CZ.11NIC.2/0000-3
Approved by:	*	Revision:	2/0000
http://www.nic.cz		Sheet 3 of 26	Date: * *
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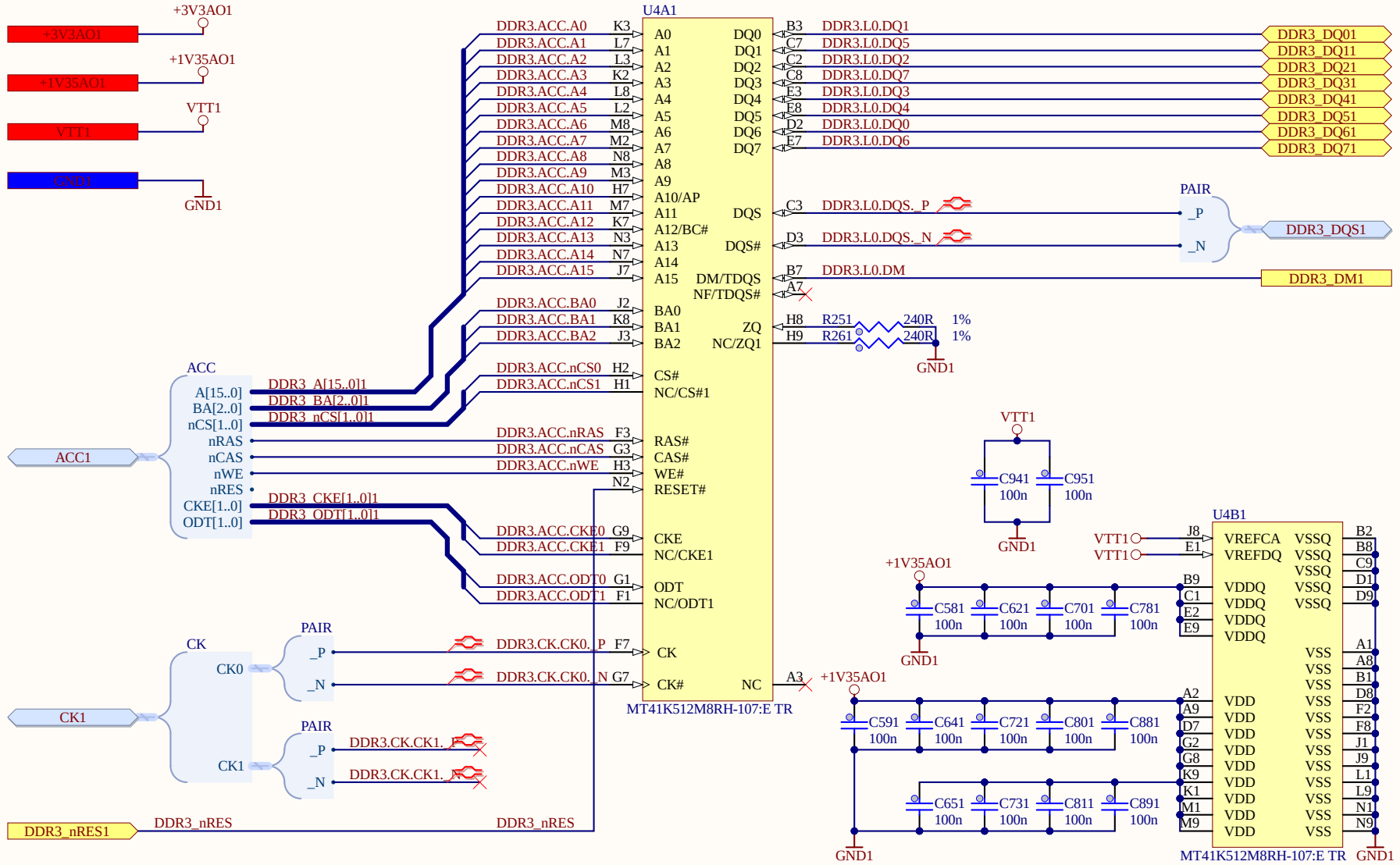
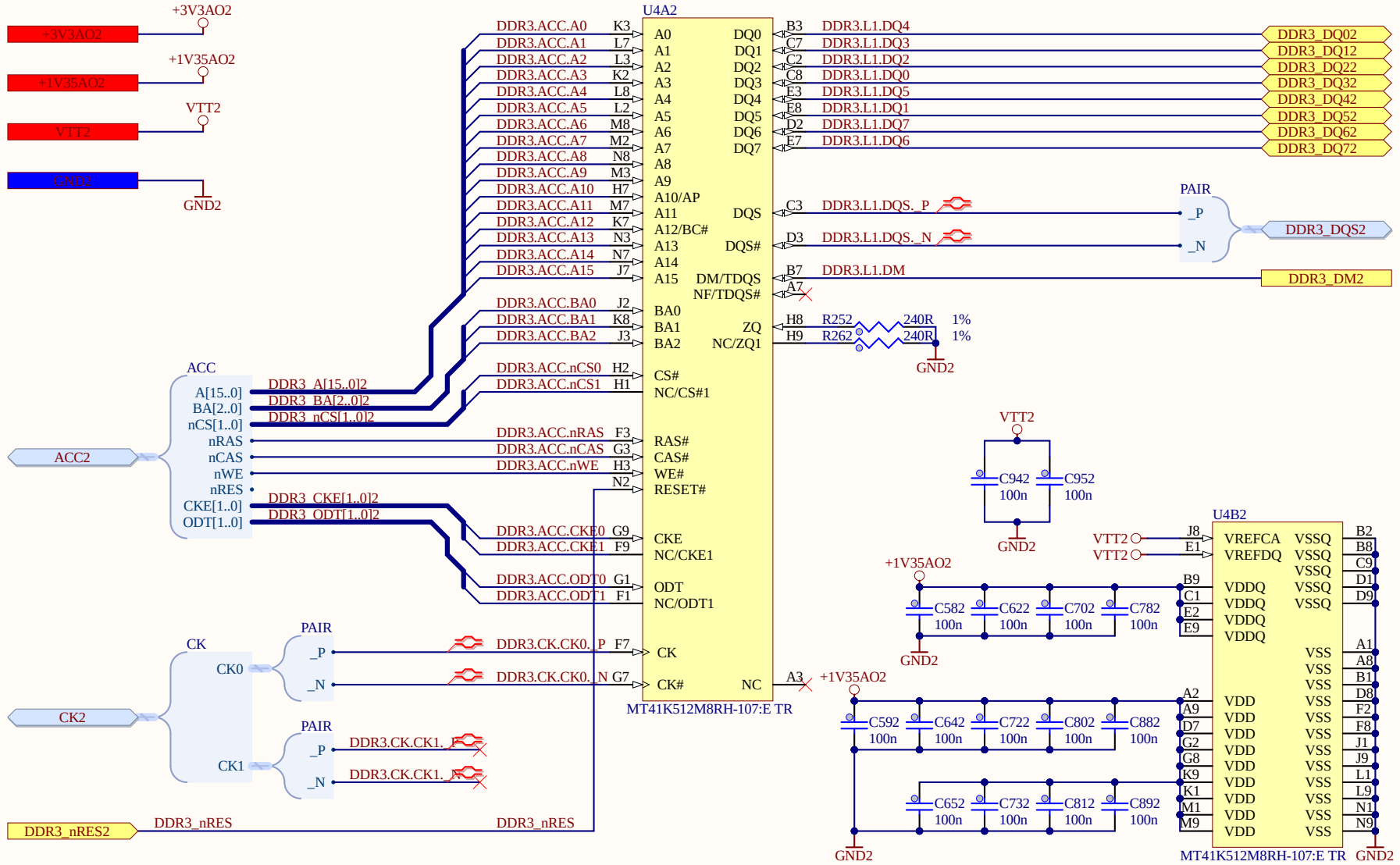
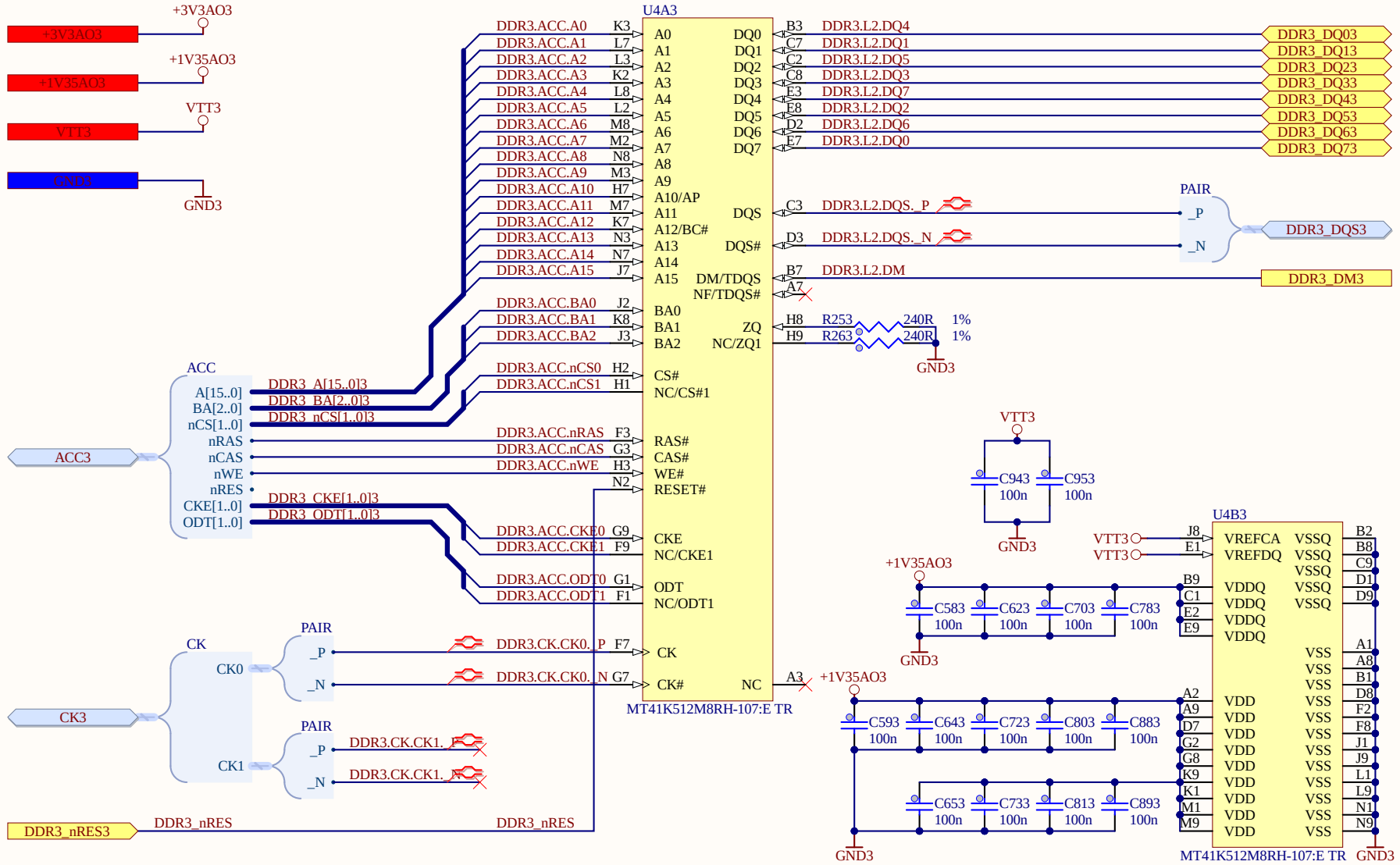
130 00 Praha 3



Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - RAM 8b
Engineer:	Zbyněk Kos & Tomáš Rykl		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-4	Revision: 230000
Approved by:	*	Sheet 4 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_RAM_8b.SchDoc	



Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - RAM 8b
Engineer:	Zbyněk Kos & Tomáš Rykl		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number:	CZ11NIC230000-4 Revision: 230000
Approved by:	*	Sheet 4 of 26	Date: * *
http://www.nic.cz		Name:	Turris_Lite_RAM_8b.SchDoc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+1V35AO3
VTT3
GND3
U4A3
DDR3.ACC.A0 K3
DDR3.ACC.A1 L7
DDR3.ACC.A2 L3
DDR3.ACC.A3 K2
DDR3.ACC.A4 L8
DDR3.ACC.A5 L2
DDR3.ACC.A6 M8
DDR3.ACC.A7 M2
DDR3.ACC.A8 N8
DDR3.ACC.A9 M3
DDR3.ACC.A10 H7
DDR3.ACC.A11 M7
DDR3.ACC.A12 K7
DDR3.ACC.A13 N3
DDR3.ACC.A14 N7
DDR3.ACC.A15 J7
DDR3.ACC.BA0 J2
DDR3.ACC.BA1 K8
DDR3.ACC.BA2 J3
DDR3.ACC.nCS0 H2
DDR3.ACC.nCS1 H1
DDR3.ACC.nRAS F3
DDR3.ACC.nCAS G3
DDR3.ACC.nWE H3
N2
DDR3.ACC.CKE0 G9
DDR3.ACC.CKE1 F9
DDR3.ACC.ODT0 G1
DDR3.ACC.ODT1 F1
DDR3.CK.CK0._P F7
DDR3.CK.CK0._N G7
A3
DDR3.CK.CK1._P
DDR3.CK.CK1._N
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10/AP A11 A12/BC# A13 A14 A15
BA0 BA1 BA2
CS# NC/CS#1
RAS# CAS# WE# RESET#
CKE NC/CKE1
ODT NC/ODT1
CK CK# NC
DQ0 DQ1 DQ2 DQ3 DQ4 DQ5 DQ6 DQ7
DQS DQS# DM/TDQS NF/TDQS#
ZQ NC/ZQ1
B3 C7 C2 C8 E3 E8 D2 E7
DDR3.L2.DQ4 DDR3.L2.DQ1 DDR3.L2.DQ5 DDR3.L2.DQ3 DDR3.L2.DQ7 DDR3.L2.DQ2 DDR3.L2.DQ6 DDR3.L2.DQ0
DDR3_DQ03 DDR3_DQ13 DDR3_DQ23 DDR3_DQ33 DDR3_DQ43 DDR3_DQ53 DDR3_DQ63 DDR3_DQ73
C3 D3
DDR3.L2.DQS._P DDR3.L2.DQS._N
PAIR _P _N
DDR3_DQS3
B7 A7
DDR3.L2.DM
DDR3_DM3
H8 H9
R253 R263
240R 240R
1%
ACC
A[15..0] BA[2..0] nCS[1..0] nRAS nCAS nWE nRES CKE[1..0] ODT[1..0]
DDR3_A[15..0]3 DDR3_BA[2..0]3 DDR3_nCS[1..0]3 DDR3_CKE[1..0]3 DDR3_ODT[1..0]3
ACC3
CK
CK0 CK1
CK3
DDR3_nRES3
DDR3_nRES
C943 C953 100n
C583 C623 C703 C783 100n
C593 C643 C723 C803 C883 100n
C653 C733 C813 C893 100n
U4B3
VREFCA VREFDQ
VDDQ VDDQ VDDQ VDDQ VDDQ
VDD VDD VDD VDD VDD VDD VDD VDD VDD
VSSQ VSSQ VSSQ VSSQ VSSQ VSSQ
VSS VSS VSS VSS VSS VSS VSS VSS VSS VSS
J8 E1
B9 C1 E2 E9
A2 A9 D7 G2 G8 K9 K1 M1 M9
B2 B8 C9 D1 D9
A1 A8 B1 D8 F2 F8 J1 J9 L1 L9 N1 N9
MT41K512M8RH-107:E TR
MT41K512M8RH-107:E TR
Author: Zbyněk Kos & Tomáš Rykl
Engineer: Zbyněk Kos & Tomáš Rykl
Drawn by: Zbyněk Kos
Checked by: Tomáš Rykl
Approved by: *
http://www.nic.cz
Title: Turris Omnia - RAM 8b
Document Number: CZ11NIC230000-4
Revision: 230000
Sheet 4 of 26
Date: * *
Name: Turris_Lite_RAM_8b.SchDoc
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130 00 Praha 3
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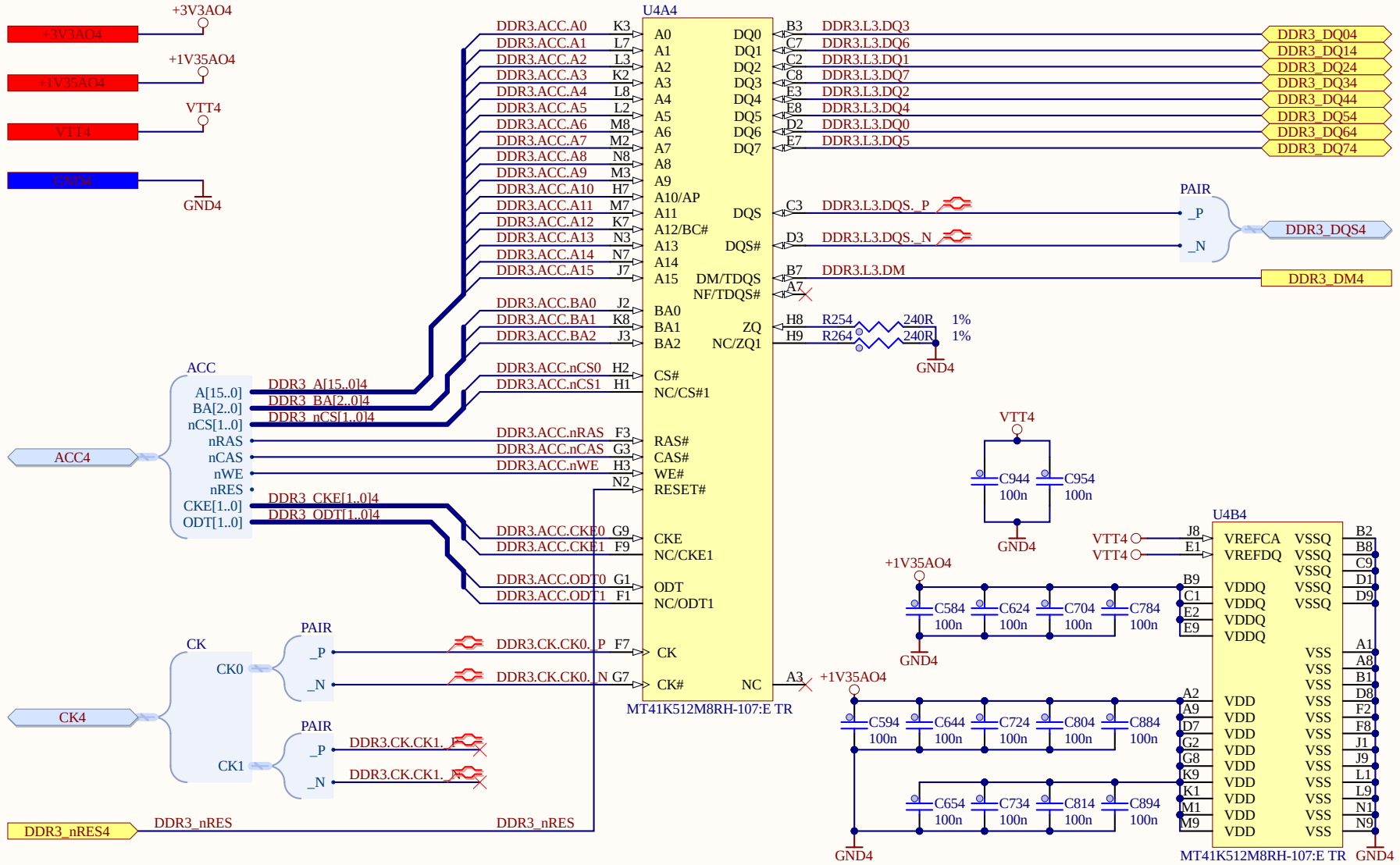

Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - RAM 8b	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-4	Revision: 230000
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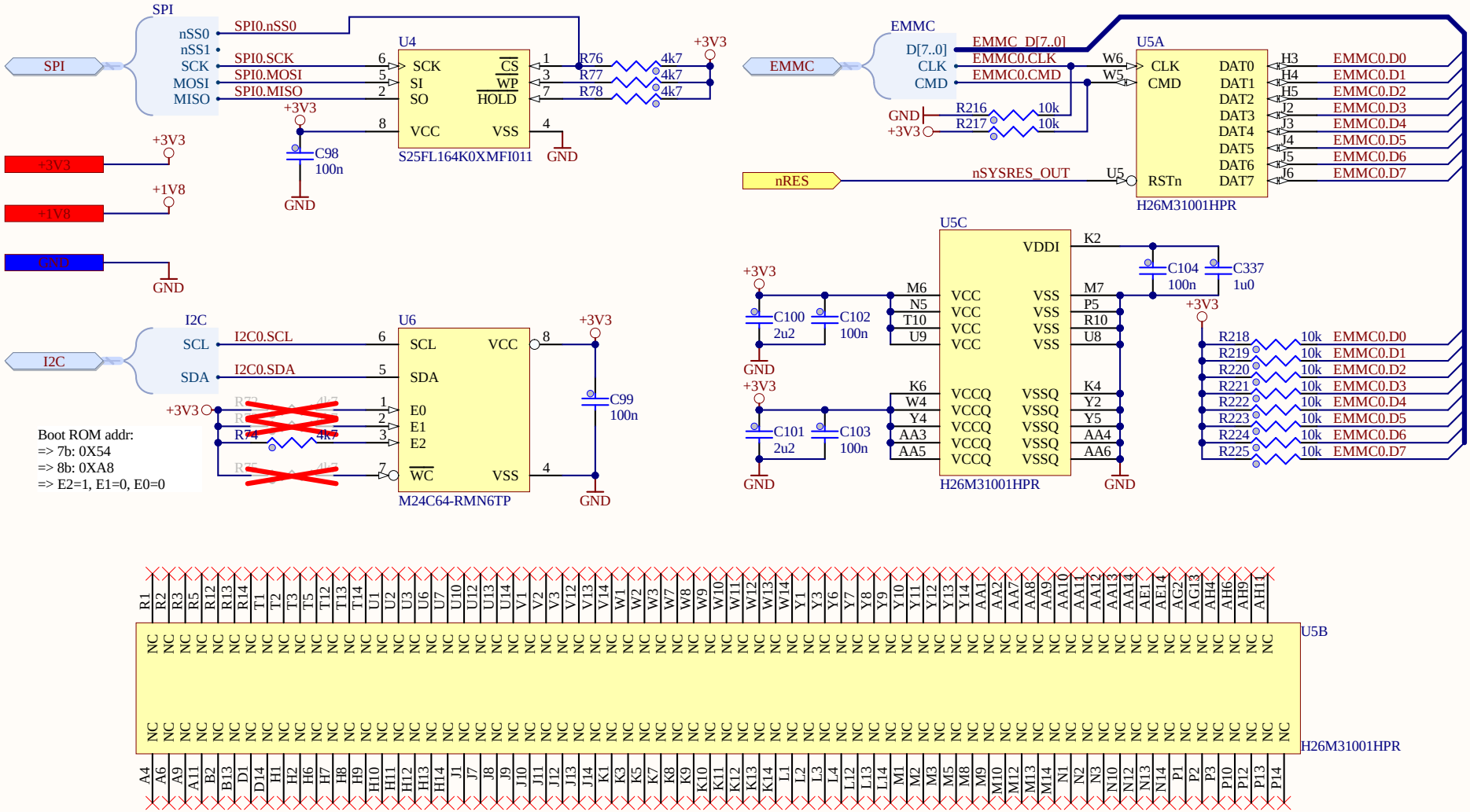
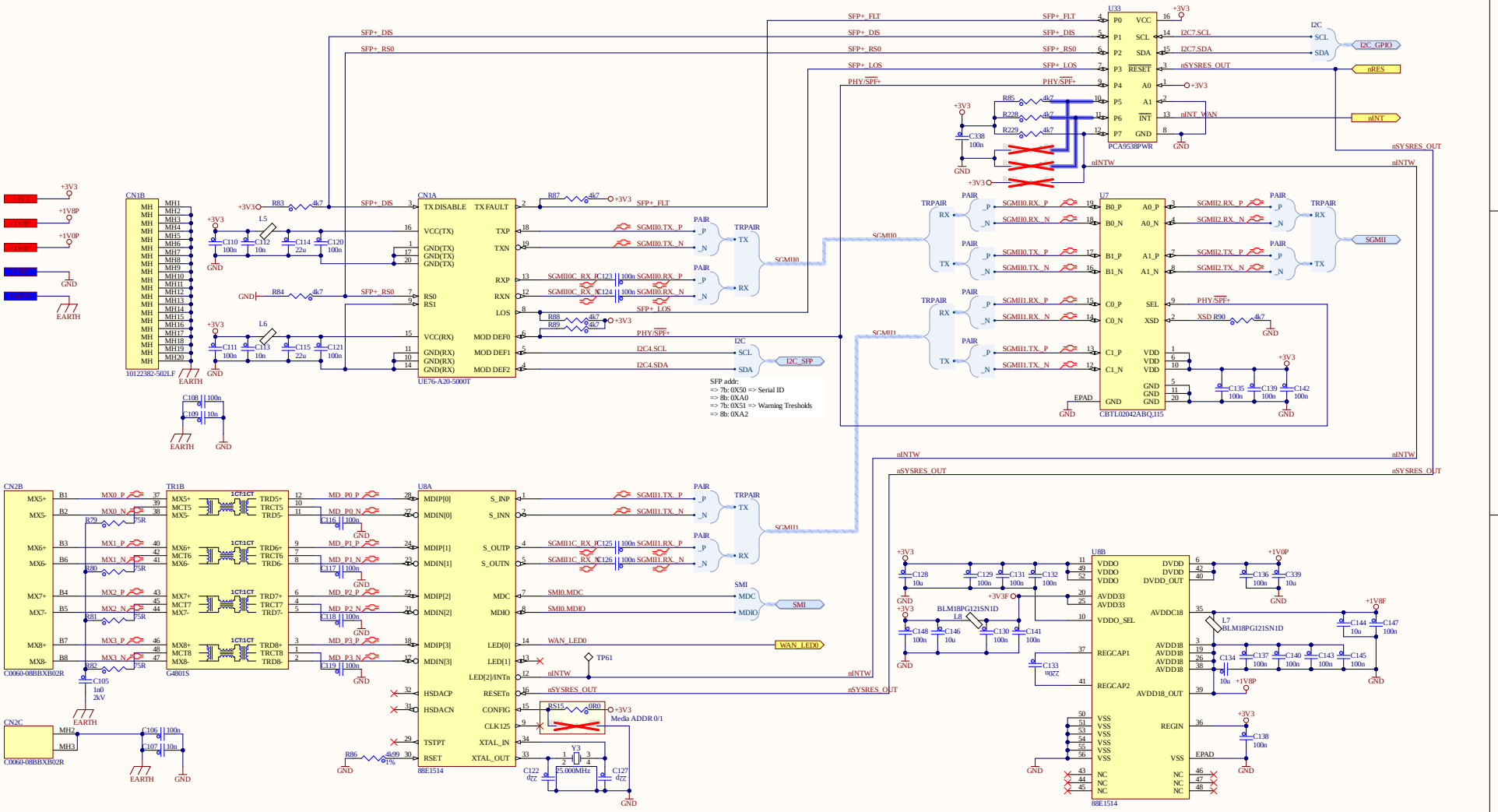
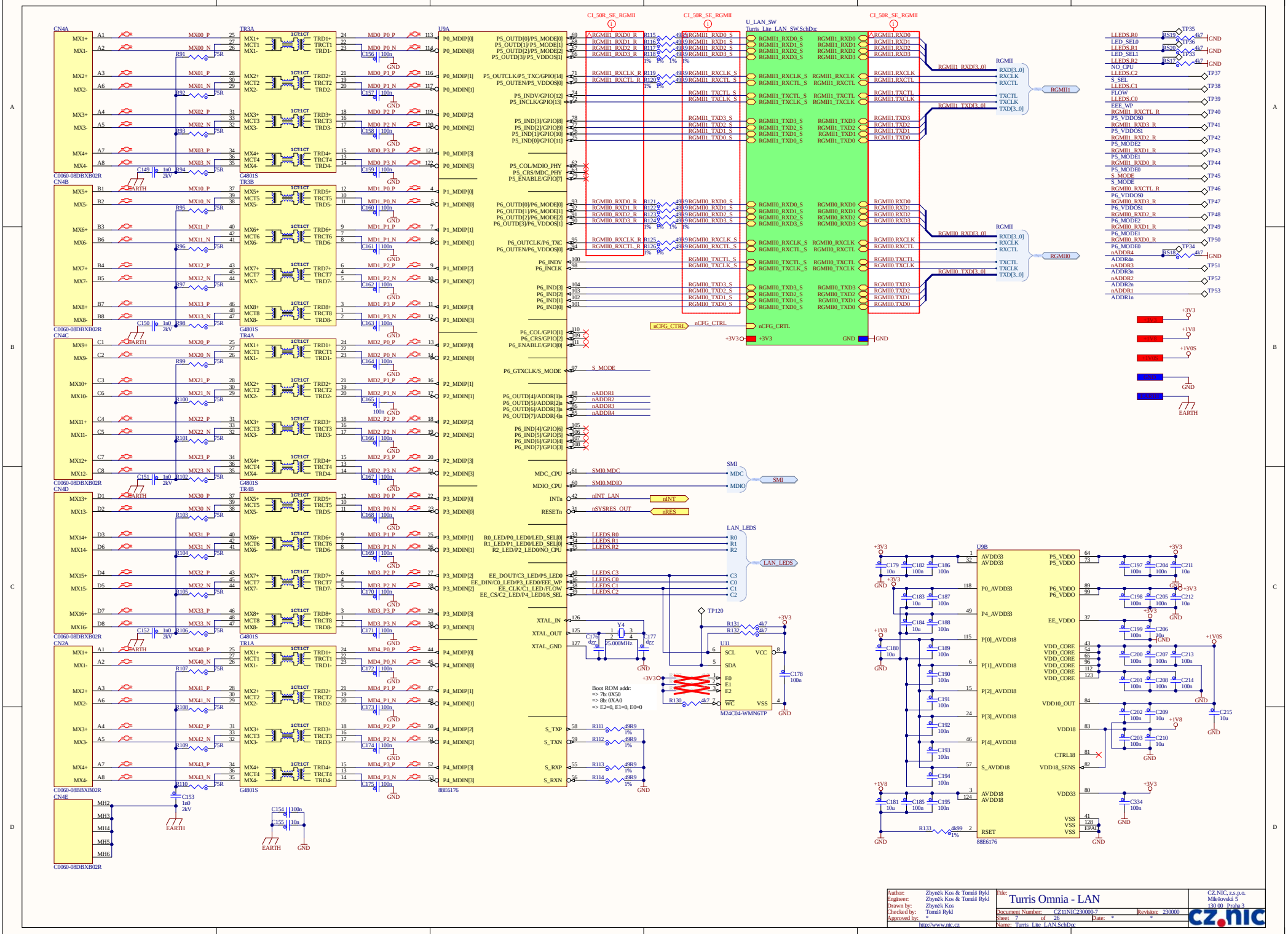
http://www.nic.cz		Name: Turris_Lite_RAM_8b.SchDoc	

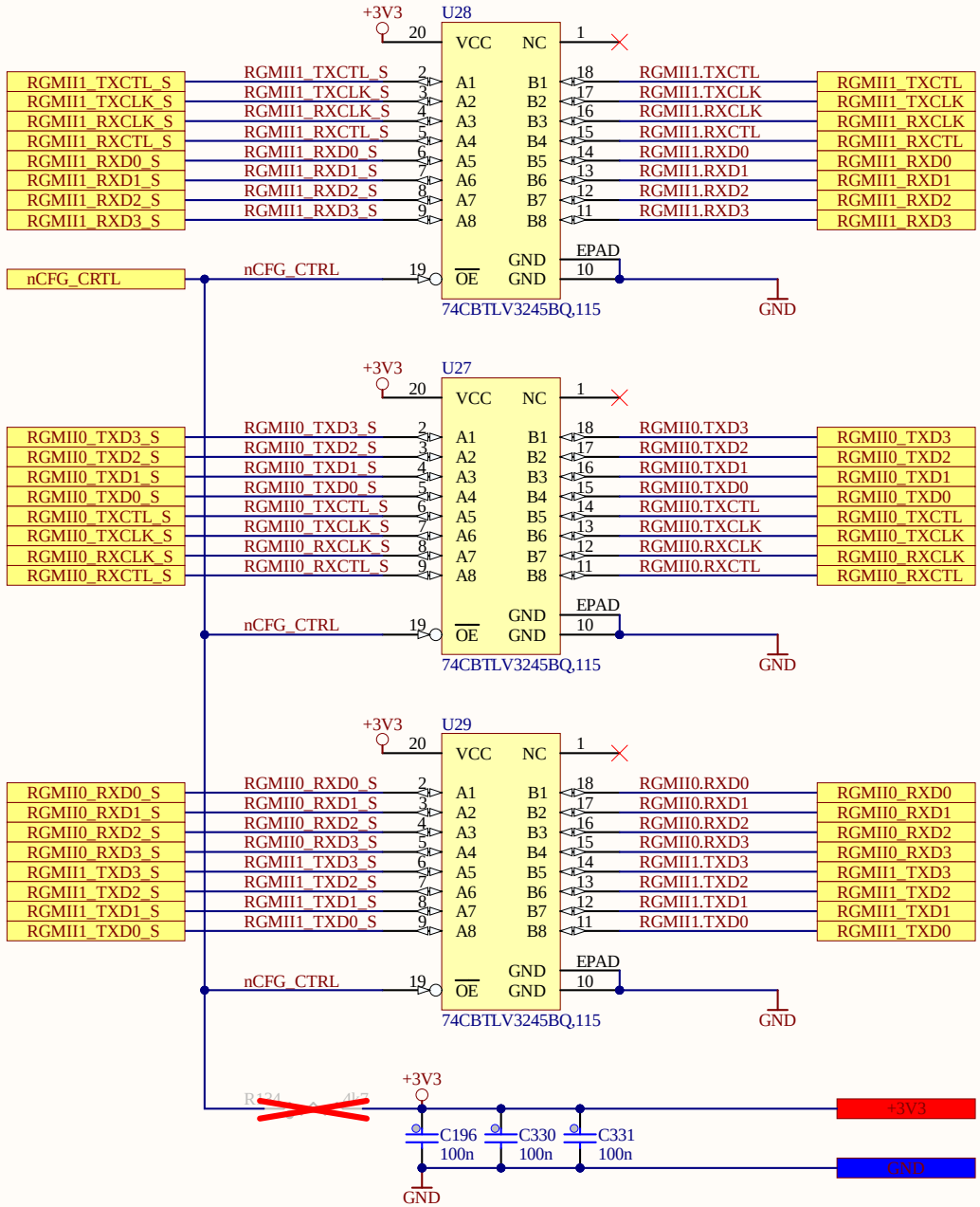


Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - ROM		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl			
Drawn by:	Zbyněk Kos			
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-5	Revision: 230000	
Approved by:	*	Sheet 5 of 26	Date: * *	
http://www.nic.cz		Name: Turris_Lite_ROM.SchDoc		

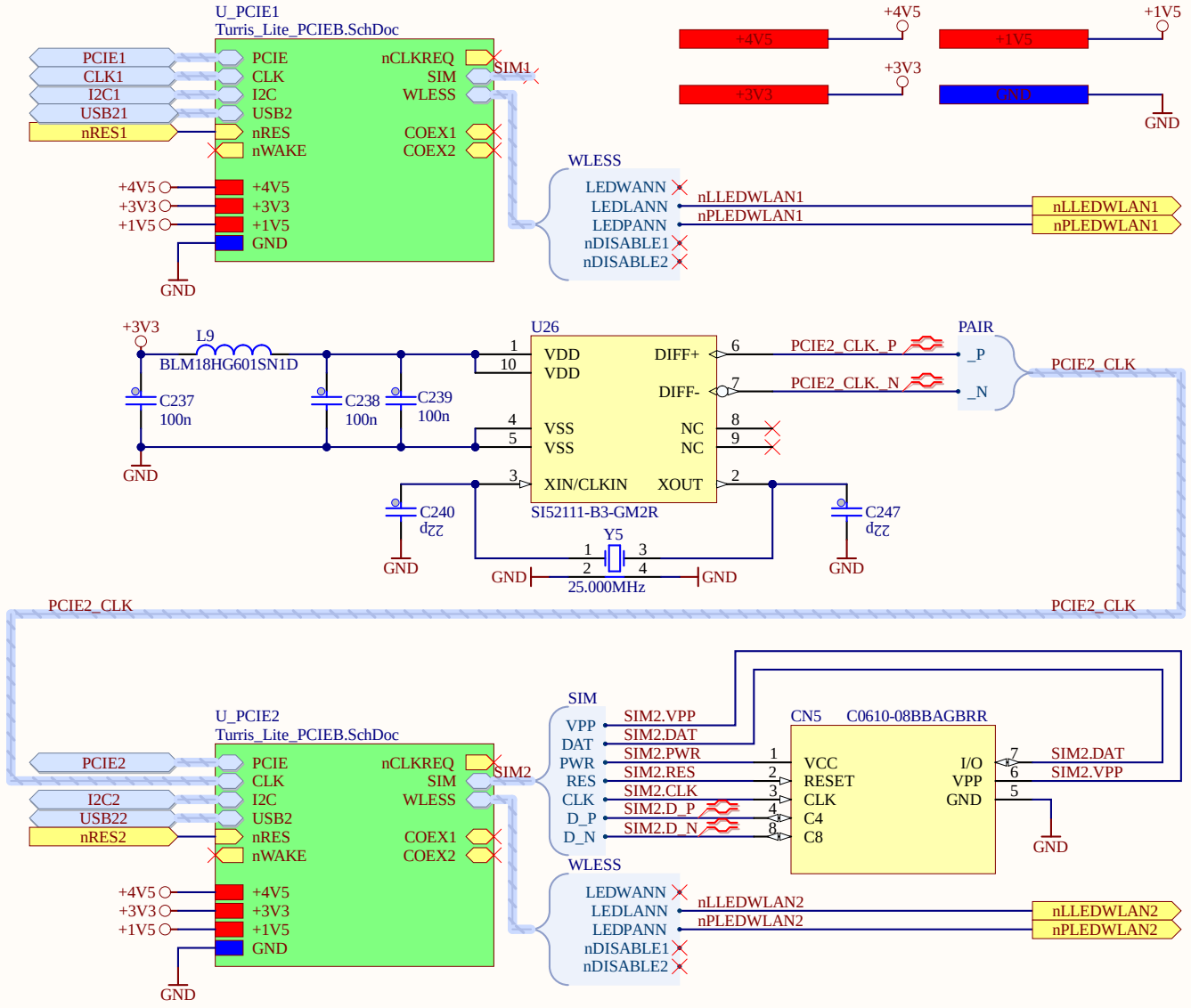

+3V3
+1V8P
+1V0P
SFP+_DIS
SFP+_RS0
SFP+_FLT
SFP+_LOS
PHY/SPF+
nINTW
nSYSRES_OUT
I2C_GPIO
nRES
nINT
SGMII0
SGMII1
SGMII
I2C_SFP
SMI
WAN_LED0
Media ADDR 0/1
SFP addr:
=> 7b: 0X50 => Serial ID
=> 8b: 0XA0
=> 7b: 0X51 => Warning Tresholds
=> 8b: 0XA2
CN1B
CN1A
UE76-A20-5000T
10122382-502LF
U33
PCA9538PWR
U7
CBTL02042ABQ,115
CN2B
C0060-08BBXB02R
TR1B
G4801S
CN2C
U8A
88E1514
U8B
Turris Omnia - WAN
CZ.NIC, z.s.p.o.
Milešovská 5
130 00 Praha 3
Author: Zbyněk Kos & Tomáš Rykl
Engineer: Zbyněk Kos & Tomáš Rykl
Drawn by: Zbyněk Kos
Checked by: Tomáš Rykl
Approved by: *
http://www.nic.cz
Document Number: CZ.11NIC.230000-6
Revision: 230000
Sheet 6 of 26
Date: * *
Name: Turris_Lite_WAN.SchDoc



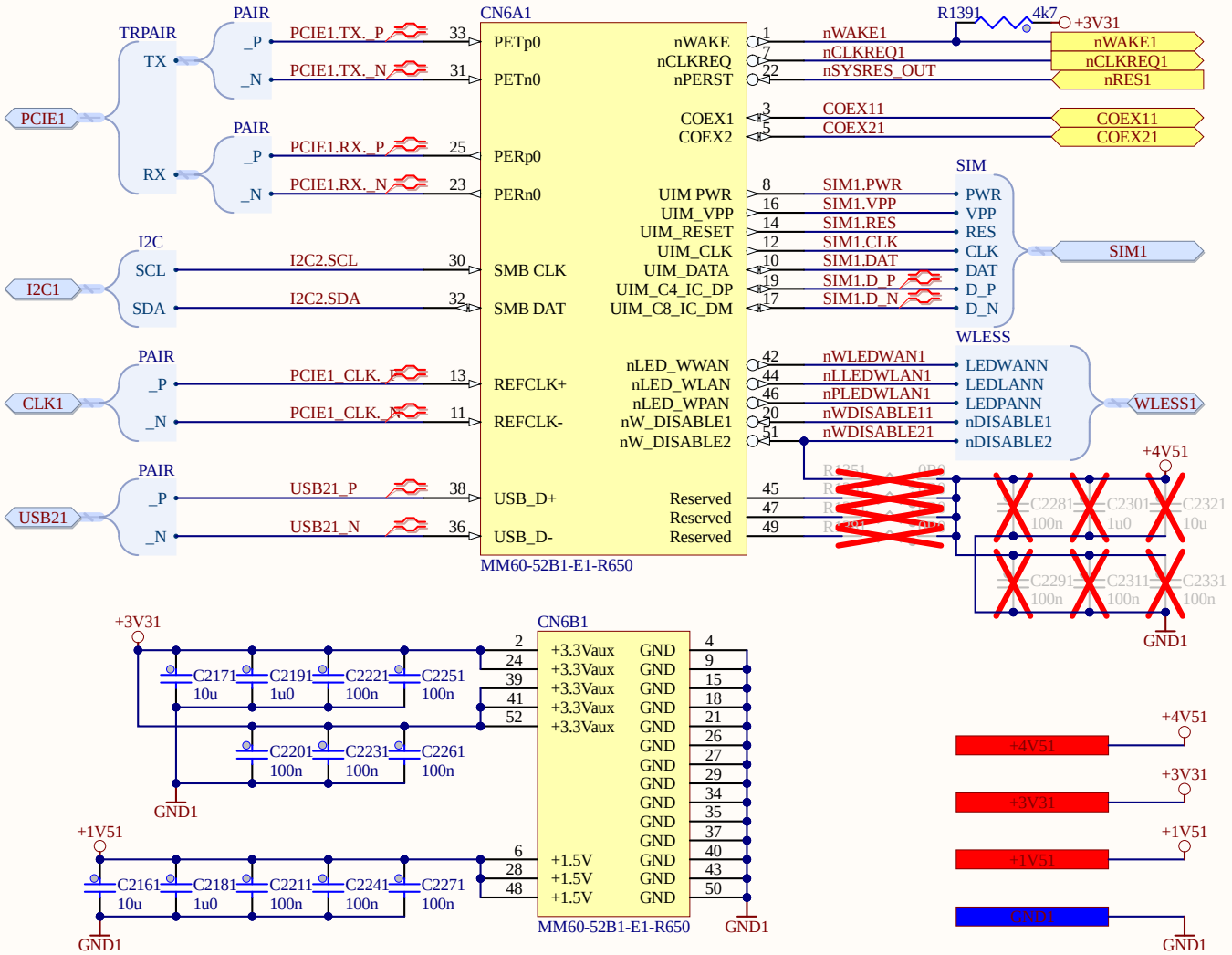
Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - LAN
Engineer:	Zbyněk Kos & Tomáš Rykl		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number:	CZ11NIC230000-7 Revision: 230000
Approved by:	*	Sheet 7 of 26	Date: * *
	http://www.nic.cz	Name: Turris_Lite_LAN.SchDoc	



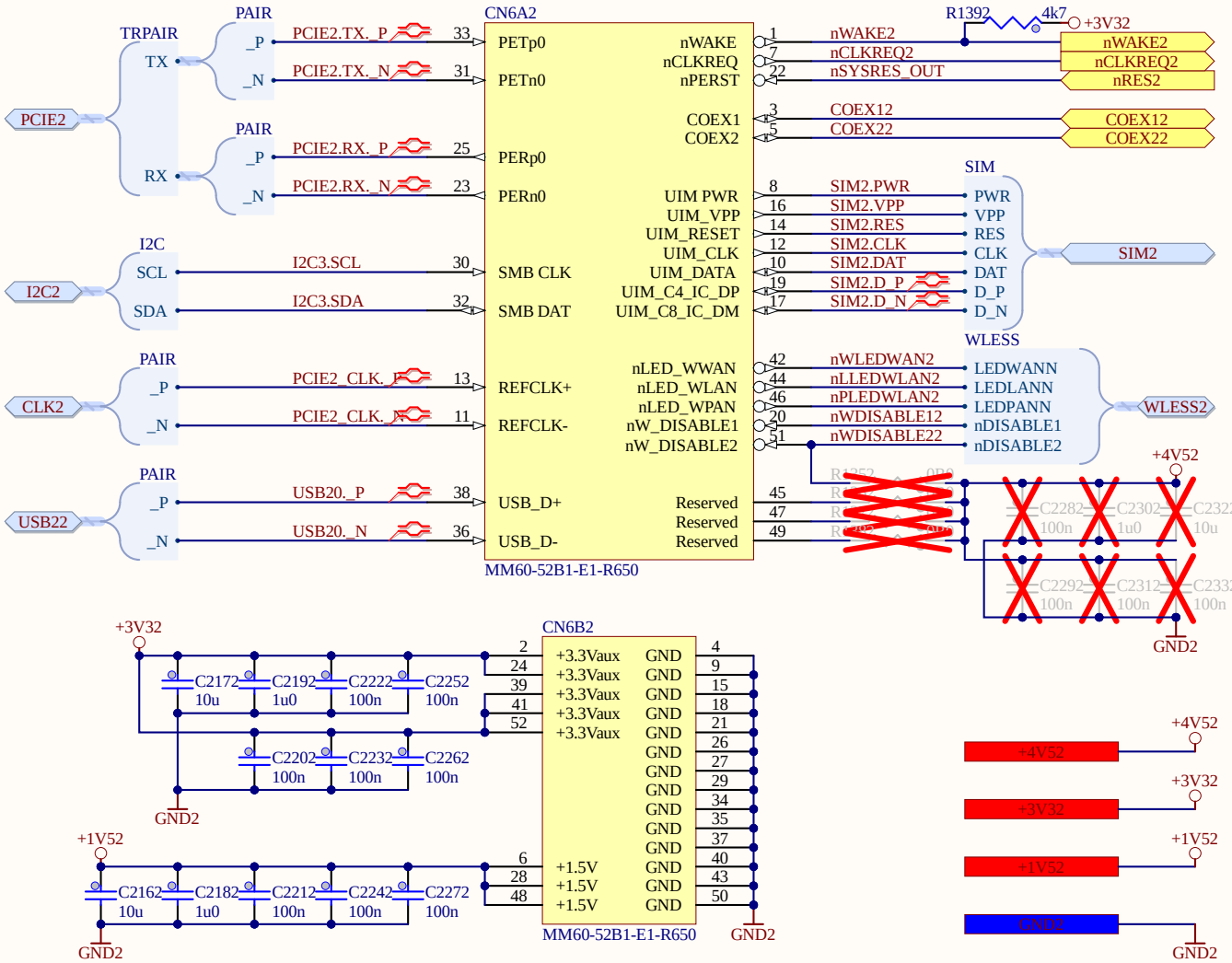
Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - LAN - Switch		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl			
Drawn by:	Zbyněk Kos			
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-8	Revision: 230000	
Approved by:	*	Sheet 8 of 26	Date: * *	
http://www.nic.cz		Name: Turris_Lite_LAN_SW.SchDoc		



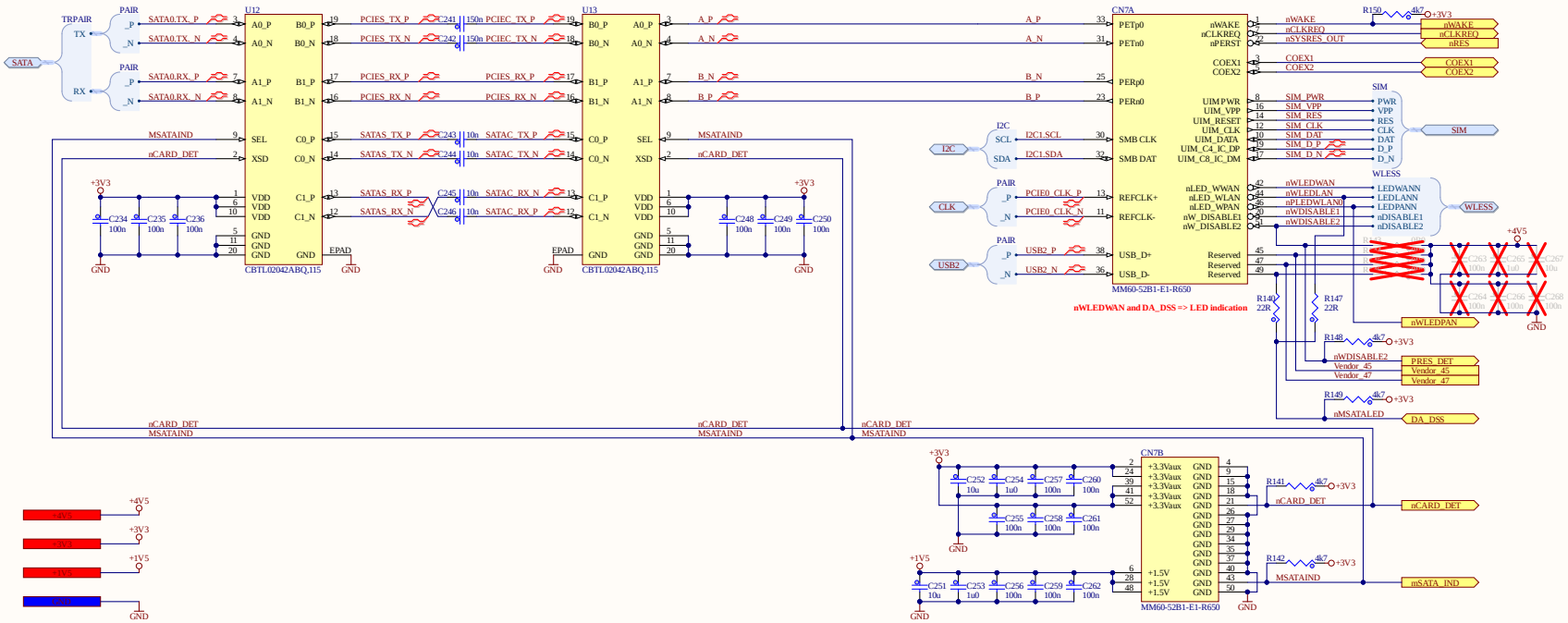
Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - PCIE		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl			
Drawn by:	Zbyněk Kos			
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-9	Revision: 230000	
Approved by:	*	Sheet 9 of 26	Date: * *	
http://www.nic.cz		Name: Turris_Lite_PCIE.SchDoc		



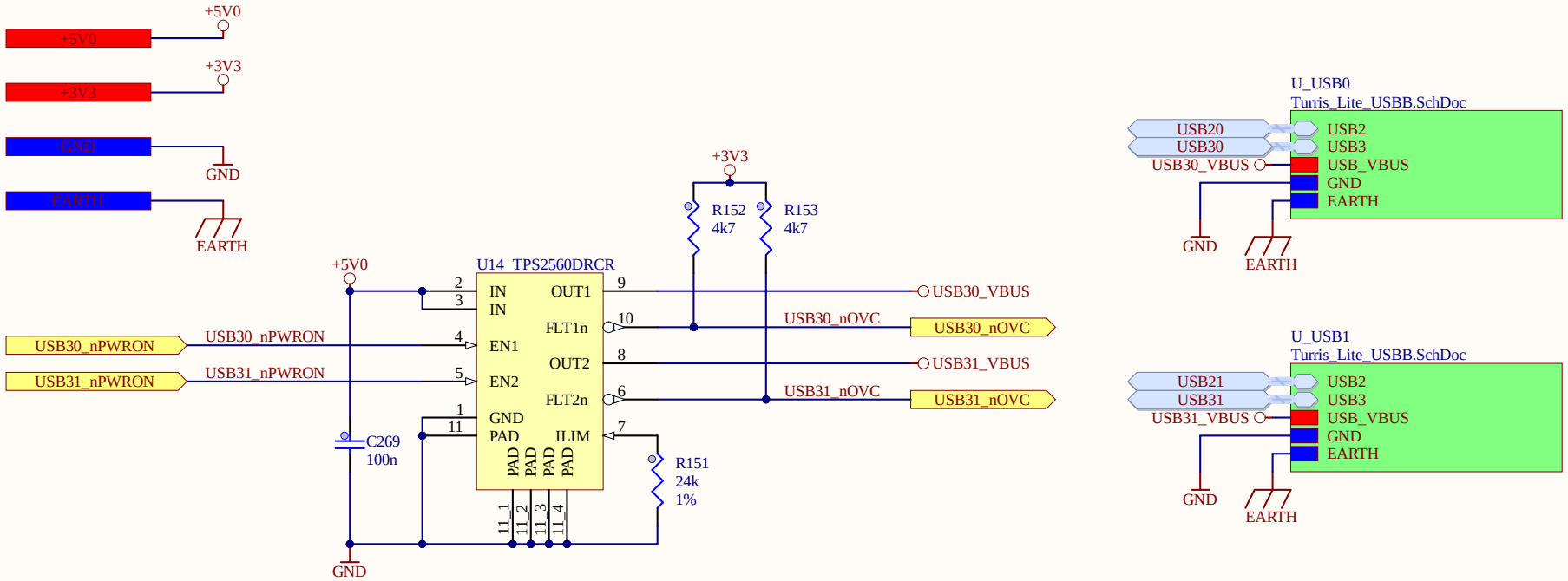
Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - PCIE - Single Slot	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-10	Revision: 230000
Approved by:	*	Sheet 10 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PCIEB.SchDoc	



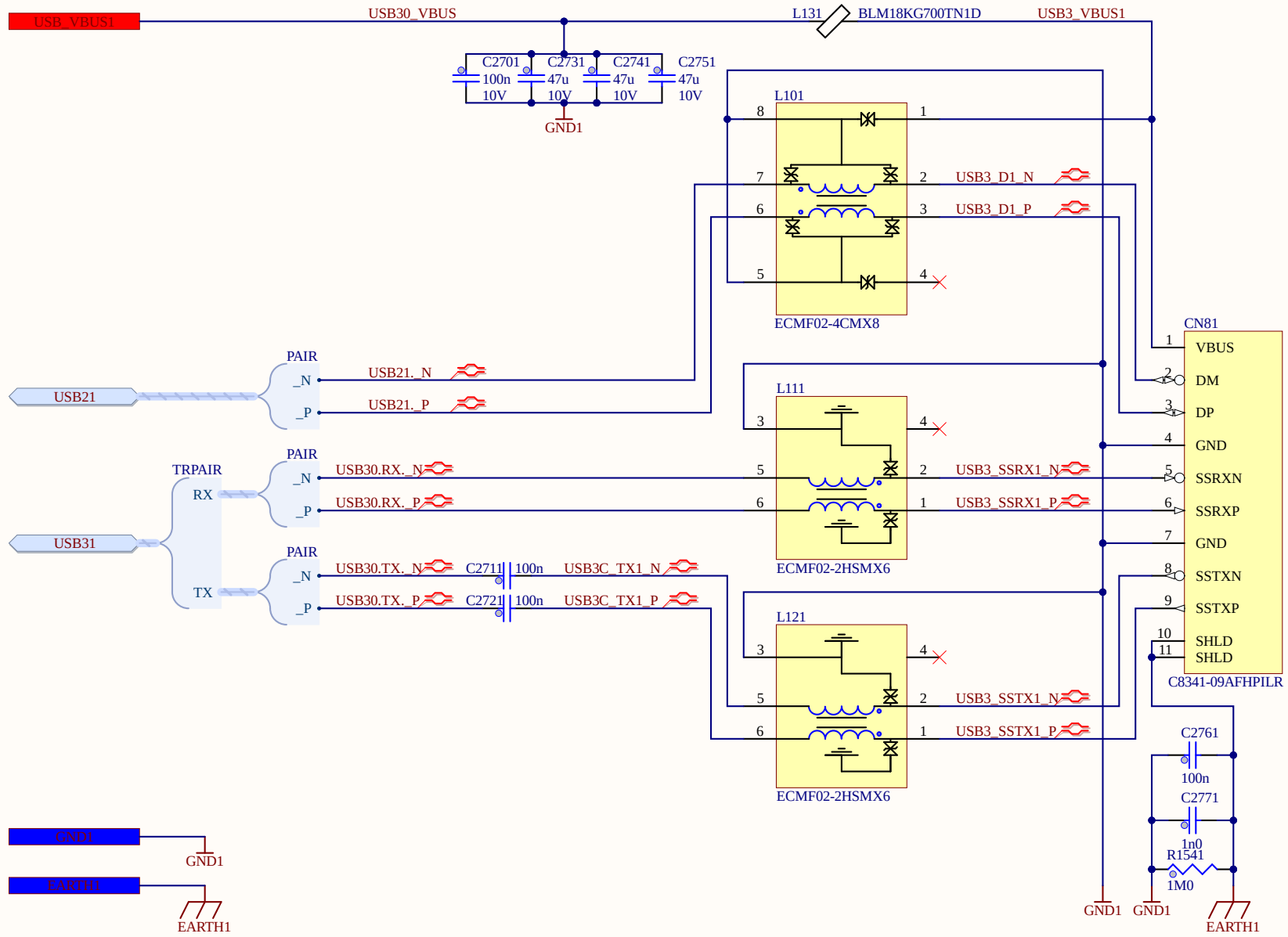
Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - PCIE - Single Slot
Engineer:	Zbyněk Kos & Tomáš Rykl		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-10	Revision: 230000
Approved by:	*	Sheet 10 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PCIEB.SchDoc	



Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - mSATA/PCIE Slot
Engineer:	Zbyněk Kos & Tomáš Rykl		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number:	CZ11NIC230000-11 Revision: 230000
Approved by:	*	Sheet 11 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_mSATA.SchDoc	



Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - USB 3.0	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-12	Revision: 230000
Approved by:	*	Sheet 12 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_USB.SchDoc	



Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - USB 3.0 - Single Slot		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl			
Drawn by:	Zbyněk Kos			
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-13	Revision: 230000	
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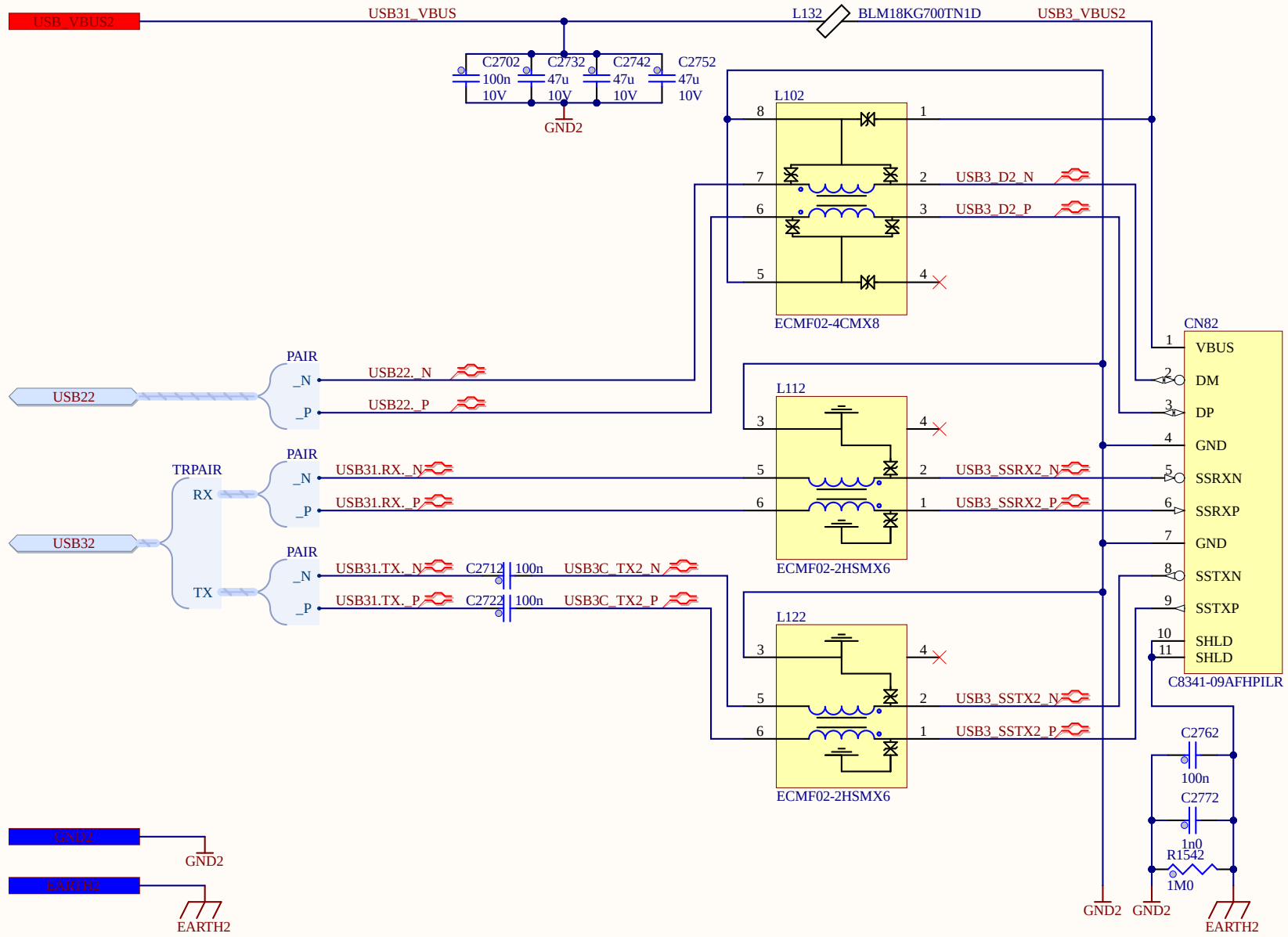
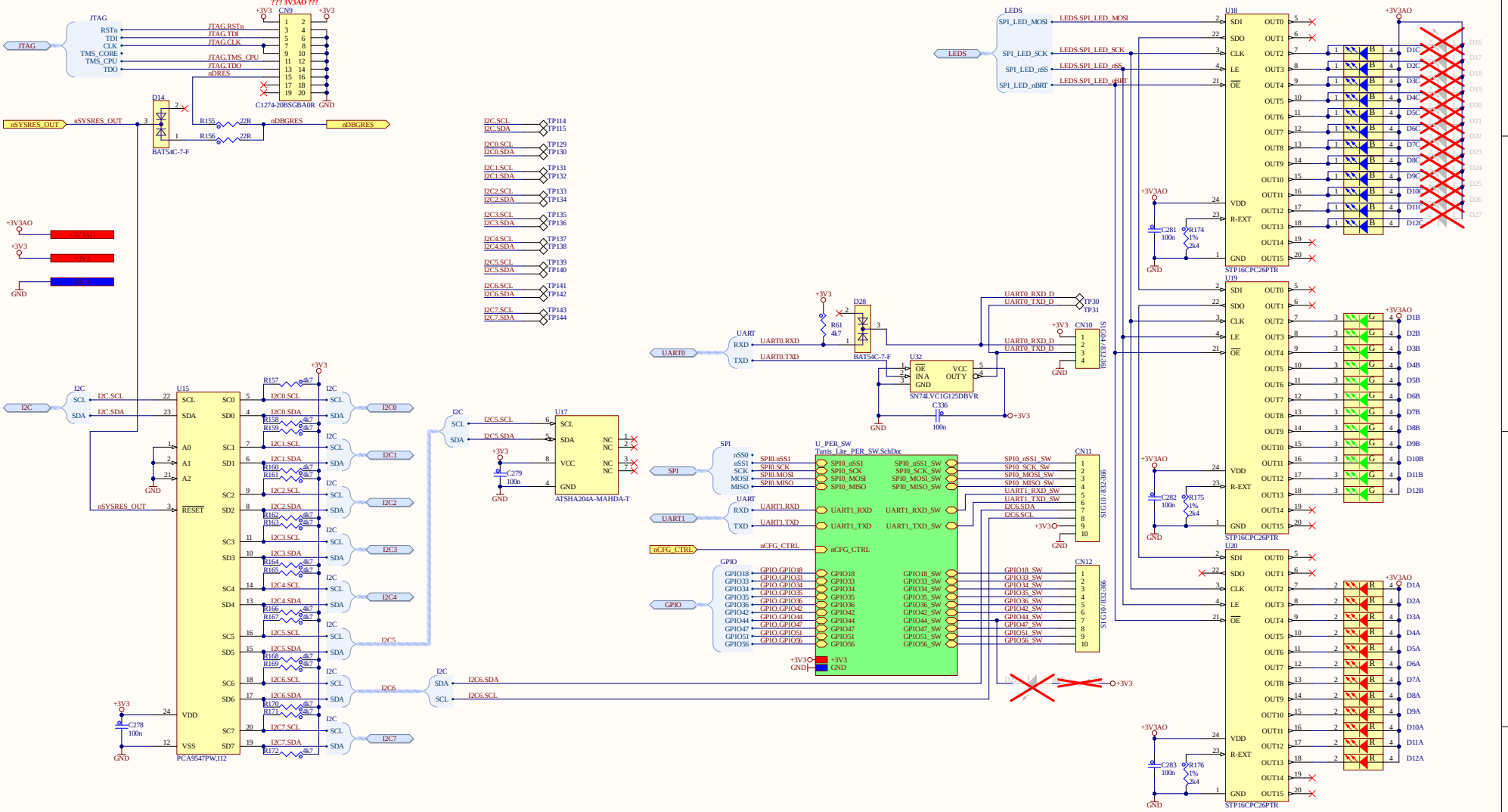
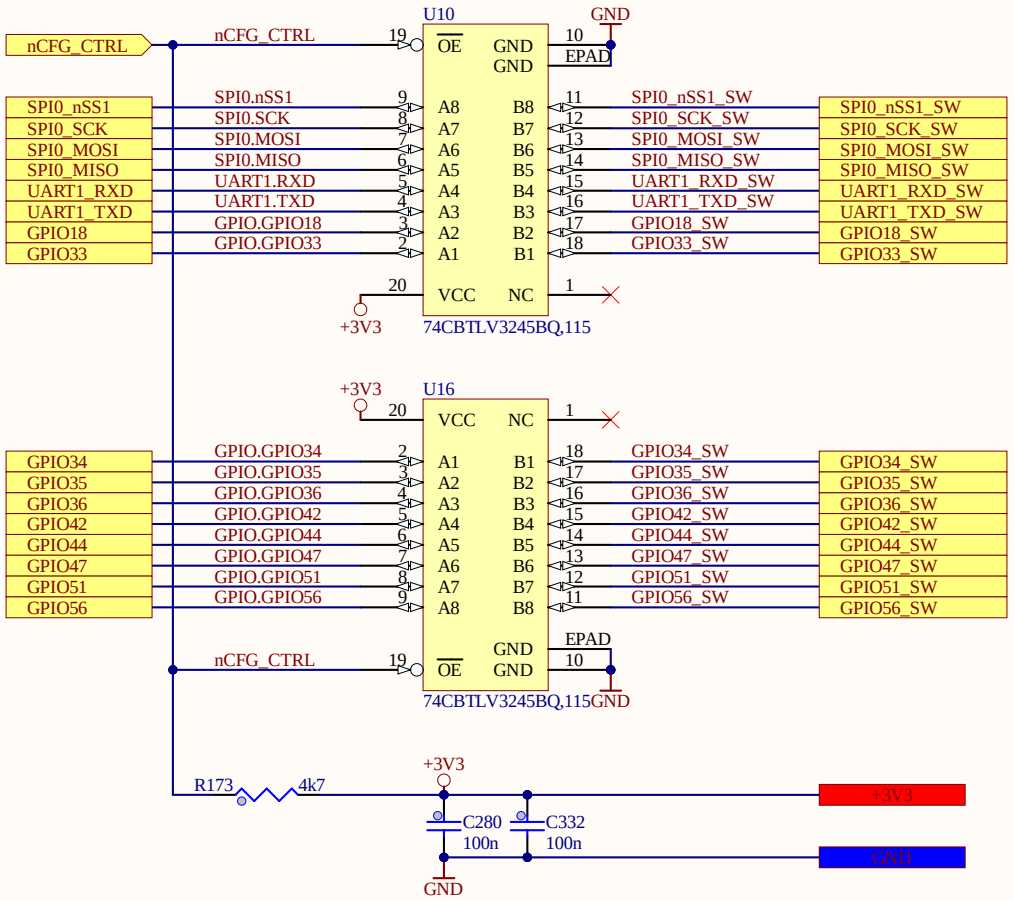
http://www.nic.cz		Name: Turris_Lite_USBB.SchDoc		



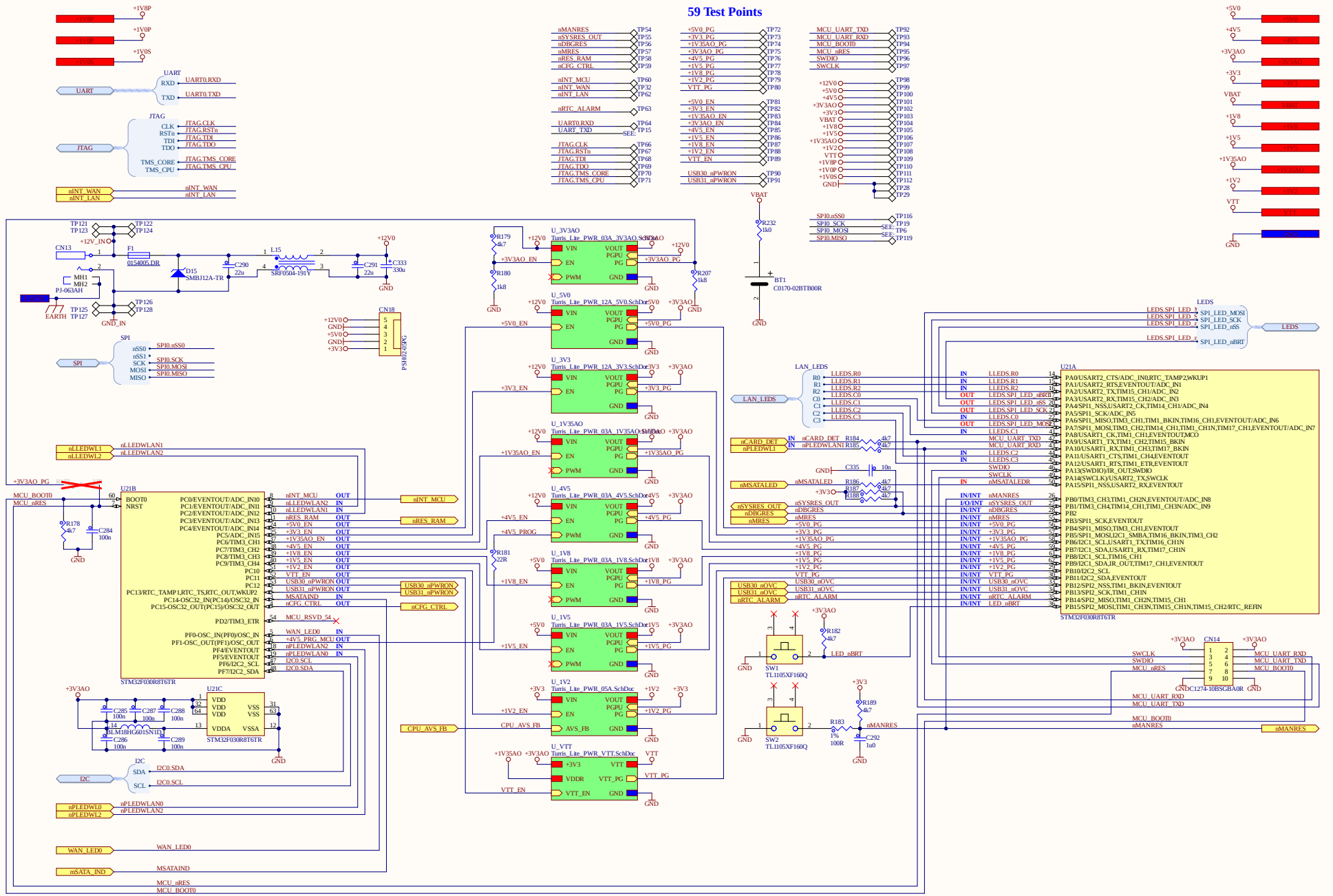
Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - USB 3.0 - Single Slot	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-13	Revision: 230000
Approved by:	*	Sheet 13 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_USBB.SchDoc	



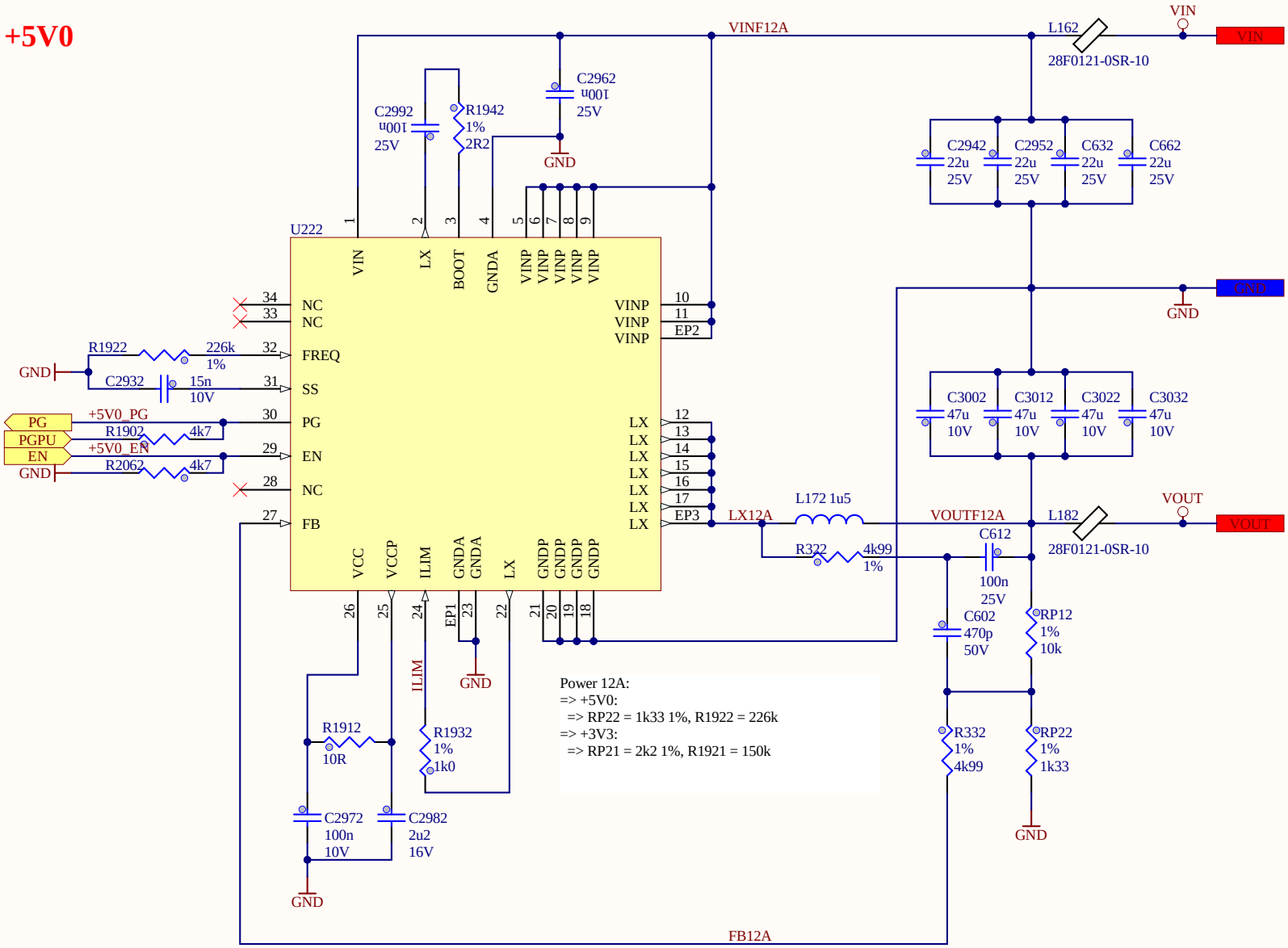
Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - Peripherals & JTAG
Engineer:	Zbyněk Kos & Tomáš Rykl		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number:	CZ11NIC230000-14 Revision: 230000
Approved by:	*	Sheet 14 of 26	Date: * *
	http://www.nic.cz	Name: Turris_Lite_PER.SchDoc	



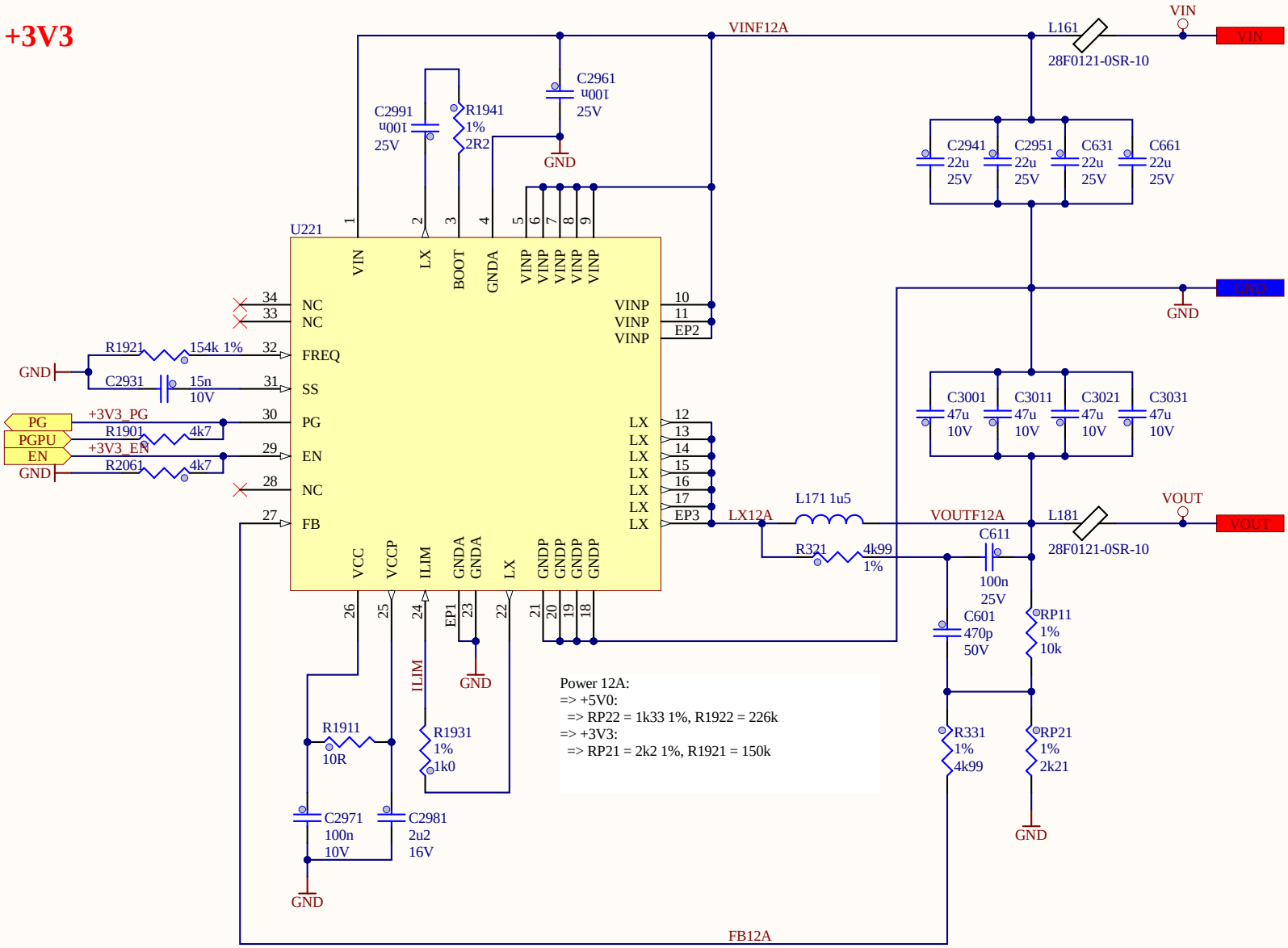
Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - PER - SW		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl			
Drawn by:	Zbyněk Kos			
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-15	Revision: 230000	
Approved by:	*	Sheet 15 of 26	Date: * *	
http://www.nic.cz		Name: Turris_Lite_PER_SW.SchDoc		



Author: Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power & Test		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer: Zbyněk Kos & Tomáš Rykl			
Drawn by: Zbyněk Kos			
Checked by: Tomáš Rykl	Document Number: CZ11NIC230000-16	Revision: 230000	
Approved by: *	Sheet 16 of 26	Date: * *	
http://www.nic.cz	Name: Turris_Lite_PWR.SchDoc		



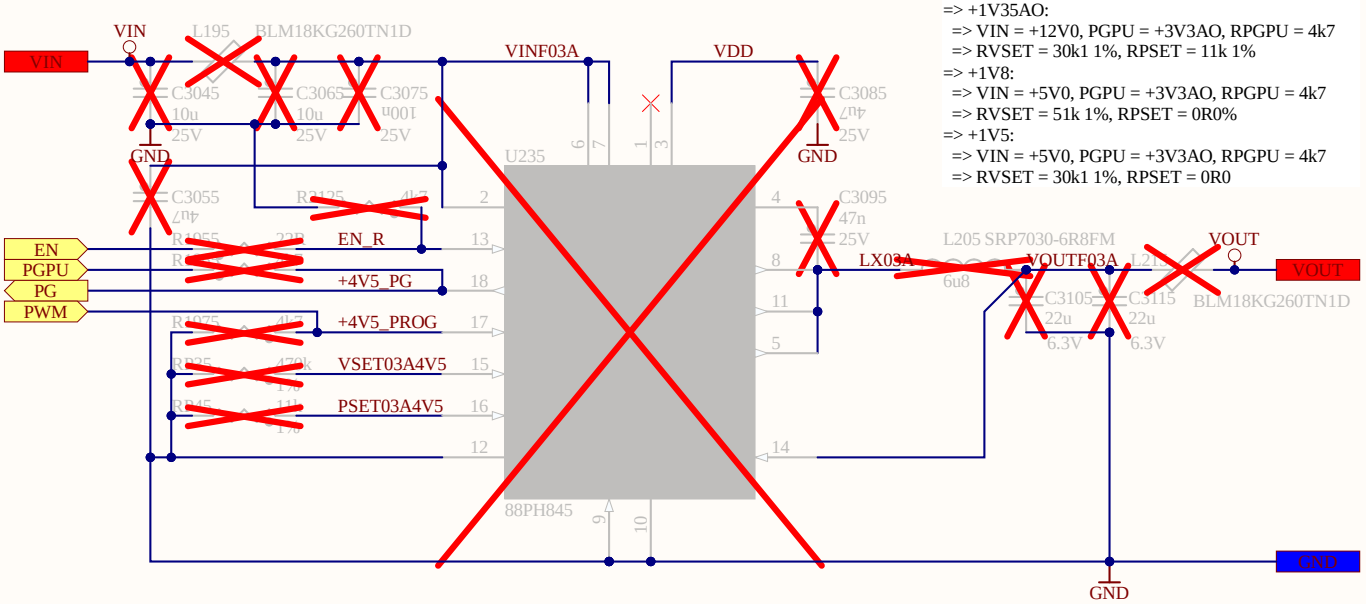
Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power - 12A Regulator	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-17	Revision: 230000
Approved by:	*	Sheet 17 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PWR_12A_5V0.SchDoc	



Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power - 12A Regulator	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-18	Revision: 230000
Approved by:	*	Sheet 18 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PWR_12A_3V3.SchDoc	

+4V5

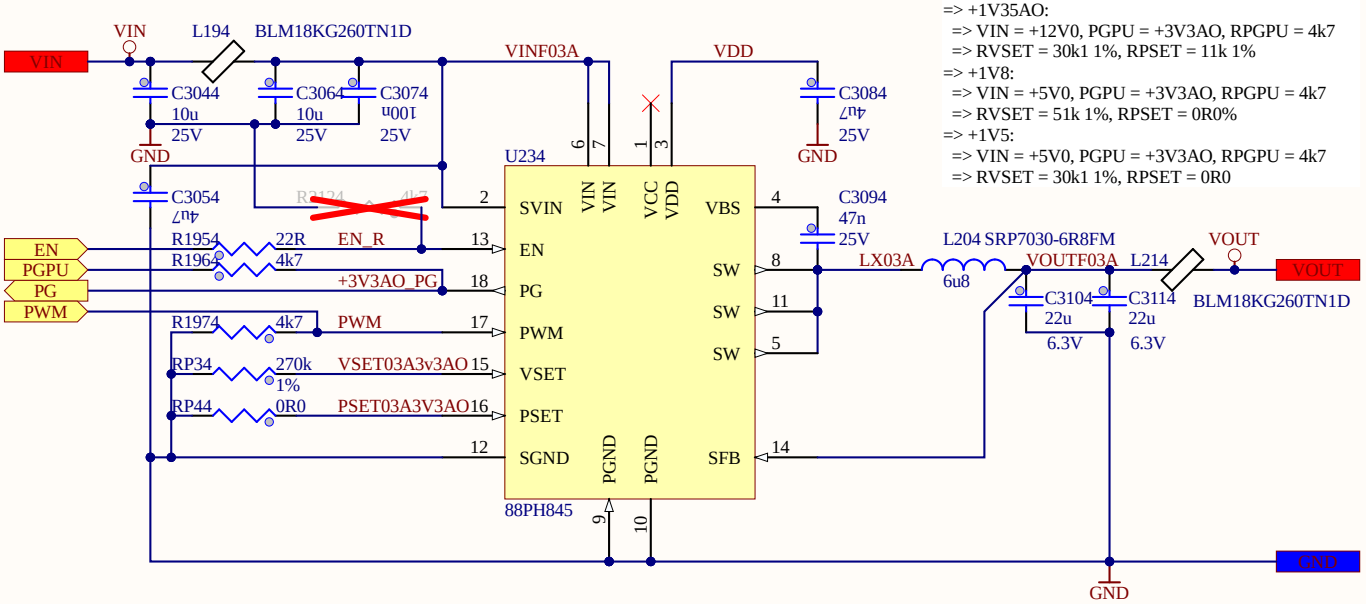
Power 03A:
=> +4V5:
 => VIN = +12V, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 470k 1%, RPSET = 11k 1%
=> +3V3AO:
 => VIN = +12V0, PGPU = +12V0, RPGPU = 4k7
 => RVSET = 270k 1%, RPSET = 0R0
 => EN_PD = NA
=> +1V35AO:
 => VIN = +12V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 11k 1%
=> +1V8:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 51k 1%, RPSET = 0R0%
=> +1V5:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 0R0



Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power - 3A Regulator	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-19	Revision: 230000
Approved by:	*	Sheet 19 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PWR_03A_4V5.SchDoc	

+3V3AO

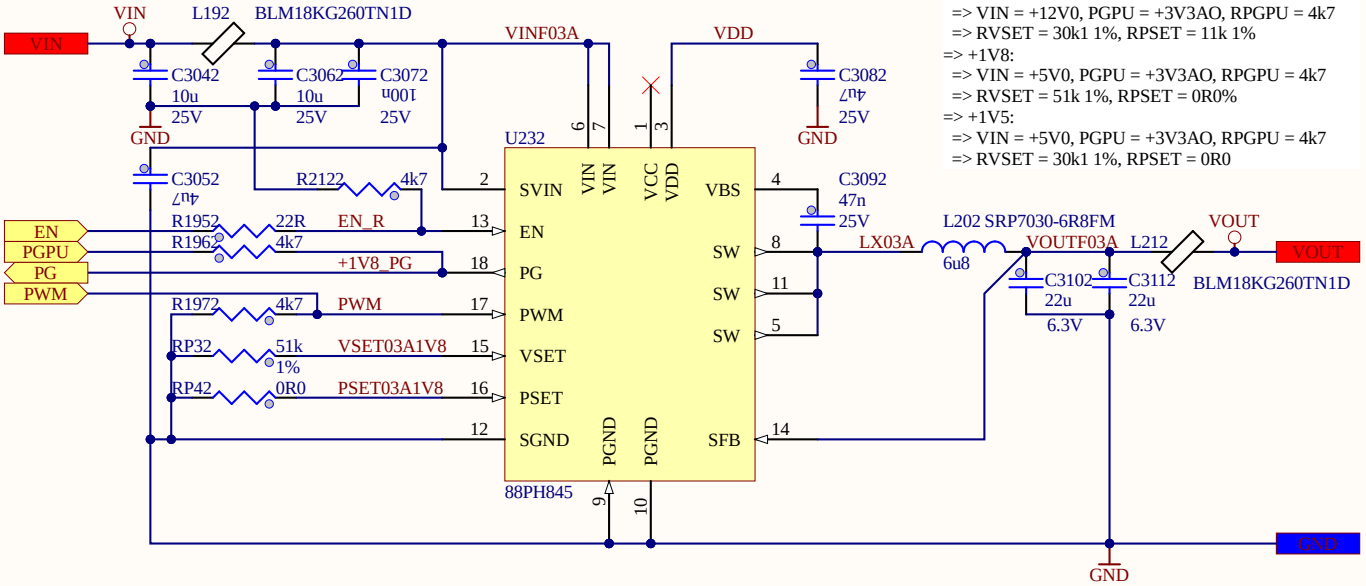
Power 03A:
=> +4V5:
 => VIN = +12V, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 470k 1%, RPSET = 11k 1%
=> +3V3AO:
 => VIN = +12V0, PGPU = +12V0, RPGPU = 4k7
 => RVSET = 270k 1%, RPSET = 0R0
 => EN_PD = NA
=> +1V35AO:
 => VIN = +12V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 11k 1%
=> +1V8:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 51k 1%, RPSET = 0R0%
=> +1V5:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 0R0



Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power - 3A Regulator	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-20	Revision: 230000
Approved by:	*	Sheet 20 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PWR_03A_3V3AO.SchDoc	

+1V8

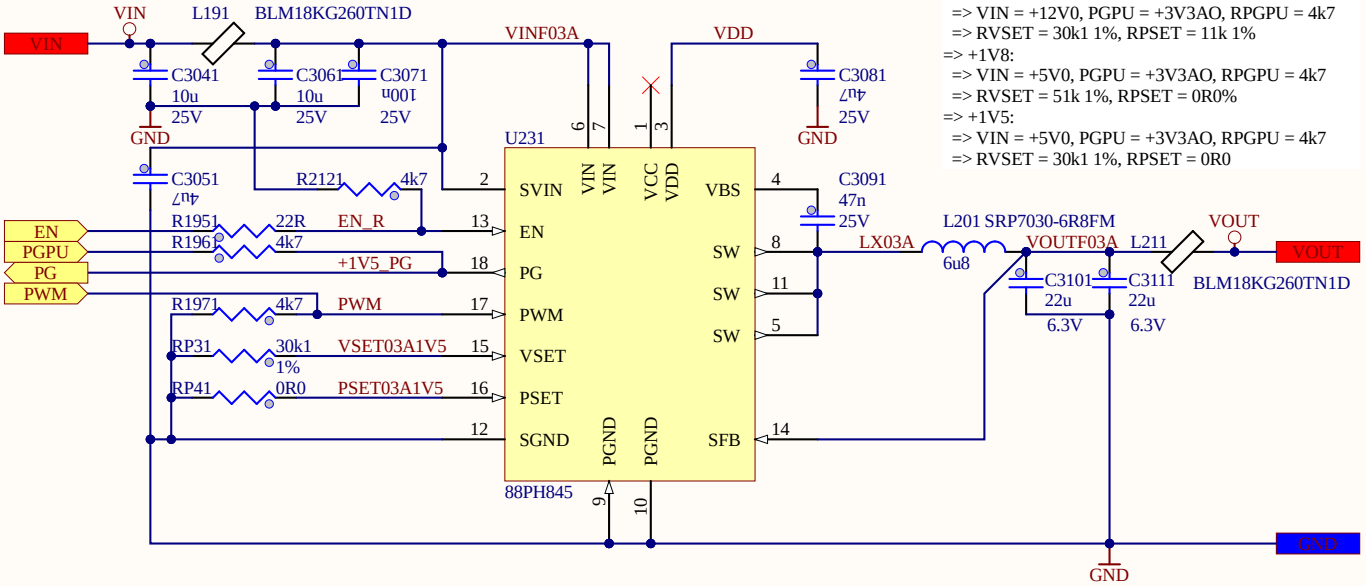
Power 03A:
=> +4V5:
 => VIN = +12V, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 470k 1%, RPSET = 11k 1%
=> +3V3AO:
 => VIN = +12V0, PGPU = +12V0, RPGPU = 4k7
 => RVSET = 270k 1%, RPSET = 0R0
 => EN_PD = NA
=> +1V35AO:
 => VIN = +12V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 11k 1%
=> +1V8:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 51k 1%, RPSET = 0R0%
=> +1V5:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 0R0



Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power - 3A Regulator	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-21	Revision: 230000
Approved by:	*	Sheet 21 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PWR_03A_1V8.SchDoc	

+1V5

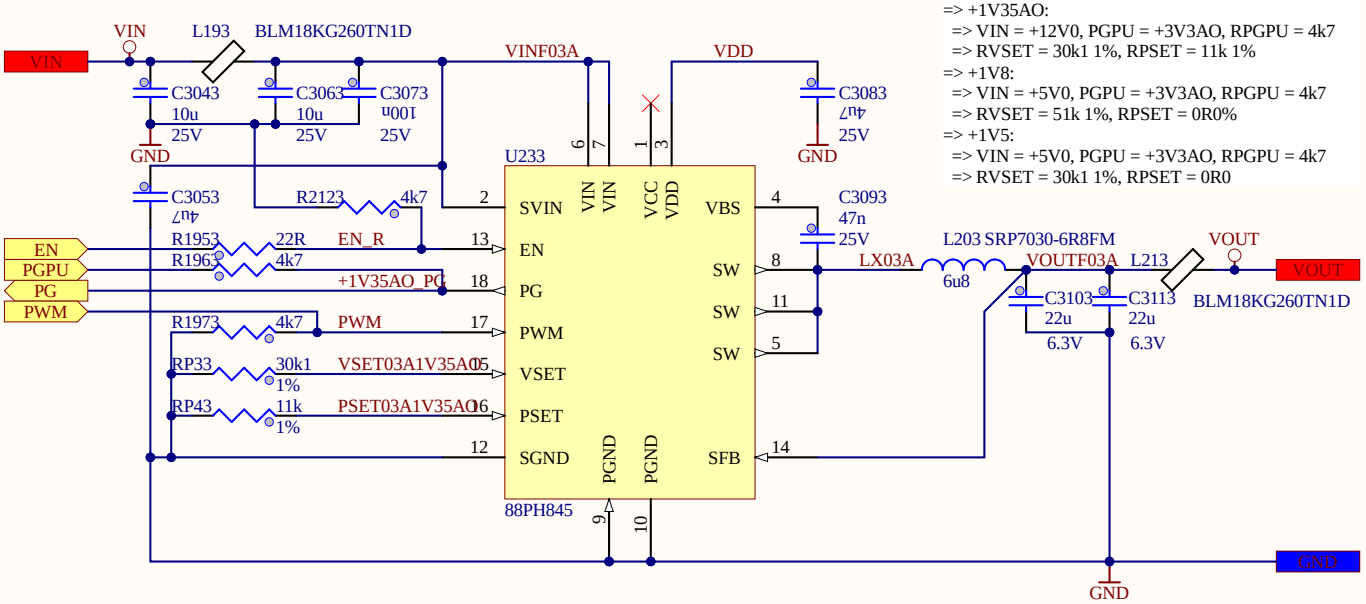
Power 03A:
=> +4V5:
 => VIN = +12V, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 470k 1%, RPSET = 11k 1%
=> +3V3AO:
 => VIN = +12V0, PGPU = +12V0, RPGPU = 4k7
 => RVSET = 270k 1%, RPSET = 0R0
 => EN_PD = NA
=> +1V35AO:
 => VIN = +12V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 11k 1%
=> +1V8:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 51k 1%, RPSET = 0R0%
=> +1V5:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 0R0



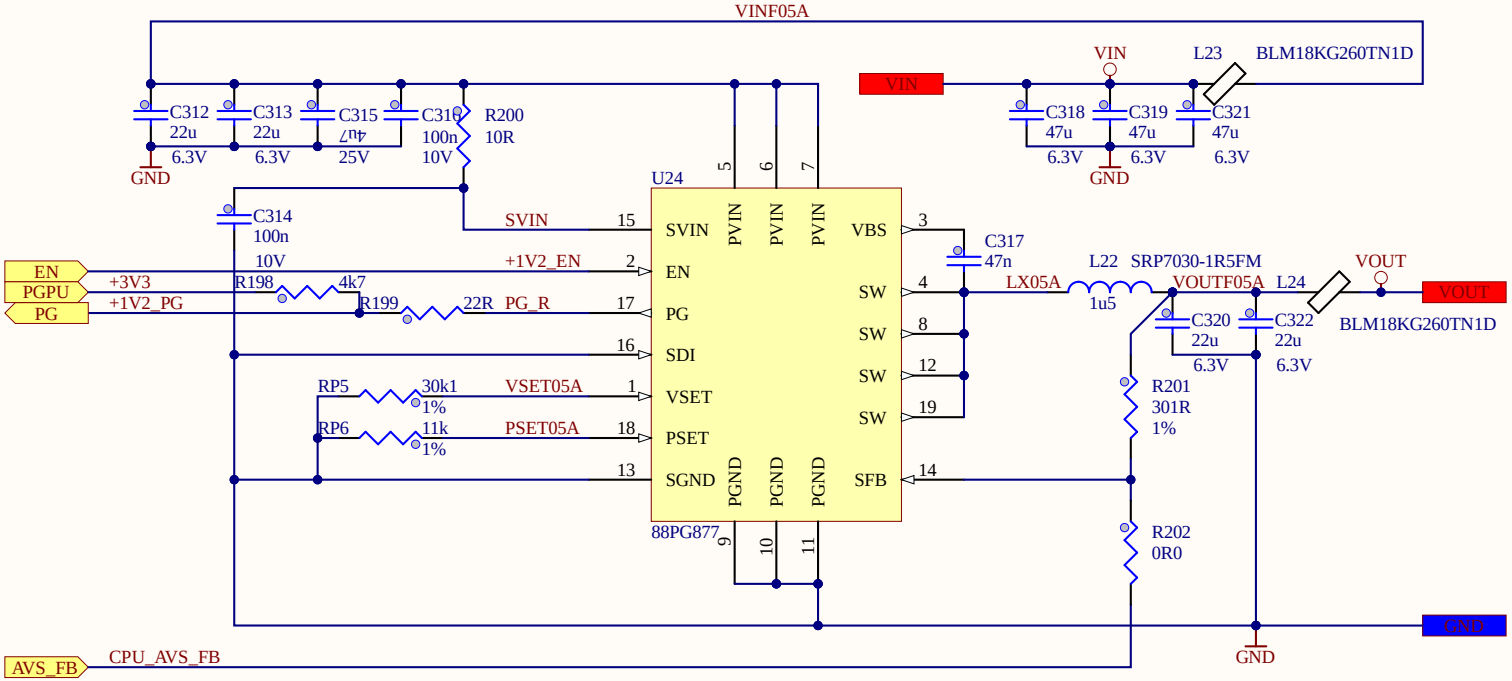
Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power - 3A Regulator	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-22	Revision: 230000
Approved by:	*	Sheet 22 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PWR_03A_1V5.SchDoc	

+1V35AO

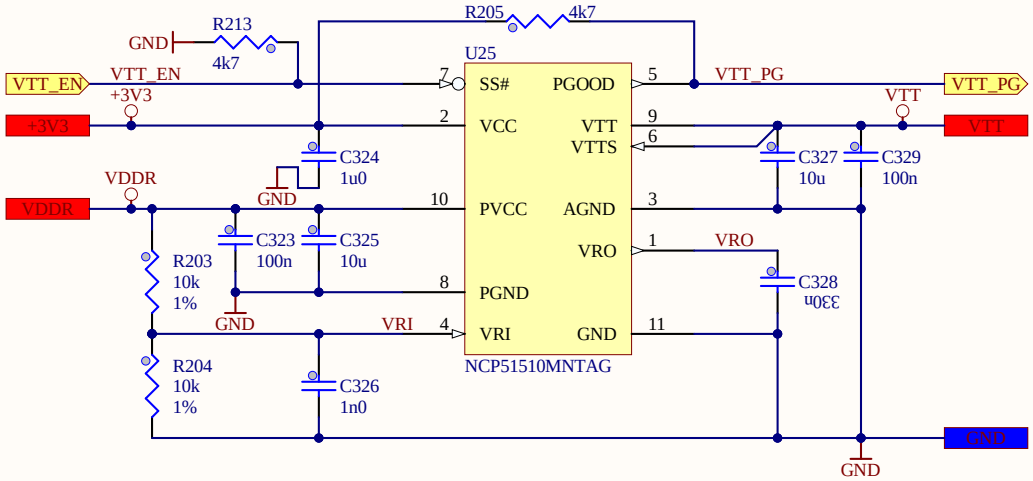
Power 03A:
=> +4V5:
 => VIN = +12V, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 470k 1%, RPSET = 11k 1%
=> +3V3AO:
 => VIN = +12V0, PGPU = +12V0, RPGPU = 4k7
 => RVSET = 270k 1%, RPSET = 0R0
 => EN_PD = NA
=> +1V35AO:
 => VIN = +12V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 11k 1%
=> +1V8:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 51k 1%, RPSET = 0R0%
=> +1V5:
 => VIN = +5V0, PGPU = +3V3AO, RPGPU = 4k7
 => RVSET = 30k1 1%, RPSET = 0R0



Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power - 3A Regulator	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-23	Revision: 230000
Approved by:	*	Sheet 23 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PWR_03A_1V35AO.SchDoc	



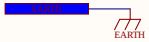
Author:	Zbyněk Kos & Tomáš Rykl	Title: Turris Omnia - Power - 5A Regulator	CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number: CZ11NIC230000-24	Revision: 230000
Approved by:	*	Sheet 24 of 26	Date: * *
http://www.nic.cz		Name: Turris_Lite_PWR_05A.SchDoc	



Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - Power - VTT Regulator		CZ.NIC, z.s.p.o. Milešovská 5 130 00 Praha 3
Engineer:	Zbyněk Kos & Tomáš Rykl				
Drawn by:	Zbyněk Kos				
Checked by:	Tomáš Rykl	Document Number:	CZ11NIC230000-25	Revision: 230000	
Approved by:	*	Sheet 25 of 26		Date: * *	
http://www.nic.cz		Name:	Turris_Lite_PWR_VTT.SchDoc		

Mechanical components
- mounting holes
- screws
- box elements
- distribution box
- distribution box content (manual etc.)
- fiducial marks???
- etc.

Connect all mount holes to EARTH



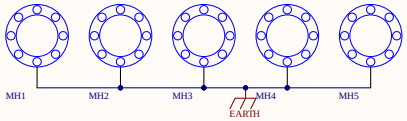
BV1 BV2 BV3 BV4 BV5 BV6 BV7 BV8 BV9 BV10 BV11 BV12

LED Optic

SLP3-250-100-F

CN15 CN16 CN17

U.FL/RSMA Pigtail



FIDU FID1 FID2 FID3 FID4 FID5 FID6 FID7 FID8 FID9 FID10 FID11 FID12 FID13 FID14 FID15 FID16

U30 U31

Logo Omnia 10mm

Screws

Heatsinks

Thermal tapes

Thermal polymers

AL Box parts

Battery

Antennas

Paper Box

Manual

Power Supply

ETH cables - optional

WiFi cards - optional

Diplexers - optional

SFP module - optional

Jumper

Author:	Zbyněk Kos & Tomáš Rykl	Title:	Turris Omnia - Mech. & SW & Accs
Engineer:	Zbyněk Kos & Tomáš Rykl		
Drawn by:	Zbyněk Kos		
Checked by:	Tomáš Rykl	Document Number:	CZ11NIC230000-26
Approved by:	*	Revision:	230000
http://www.nic.cz		Sheet 26 of 26	Date: * *
		Name: Turris_Lite_MECH.SchDoc	

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