LOGO1

TE Logo PRINT Layer

LOGO PRINT

Power Connectors

POWER

B2B Power Connector

SD Card Holder

USB Connector

ETHERNET Connector

FIREFLY Connector

JTAG-UART Connectors

CLOCKS

B2B_Connectors

MISC_BASE

GTH_Loopback

GTY_Loopback

HP BANK64-65 Header & Loopback

HP BANK66-67 Header & Loopback

HP BANK68 Header & Loopback

HD BANKS Header & Loopback

TE0865 Module

ETH-PHY

USBPHY

MISC

UART

JTAG

GTR

PS Side

GTH/GTY

Differential Pair IOs

MISC

PL Side

10MAX SC

SC

Serial1

Serial

Serialnumber 6,3 x 6.3mm

PM1 PM2 PM3

FIDU-DOT - mini FIDU-DOT - mini FIDU-DOT - mini

PM4 PM5 PM6

FIDU-DOT - mini FIDU-DOT - mini FIDU-DOT - mini

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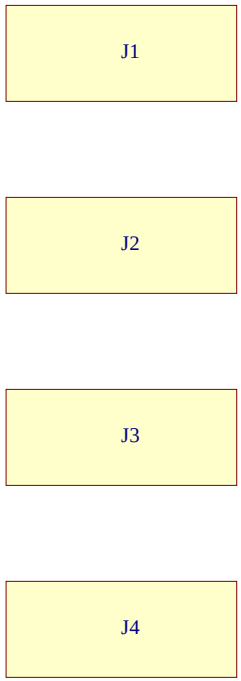
Title: TEBT0865 Main			
A4	Number: 1 A		Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 1 of 29
Filename: TEBT0865.schdoc			



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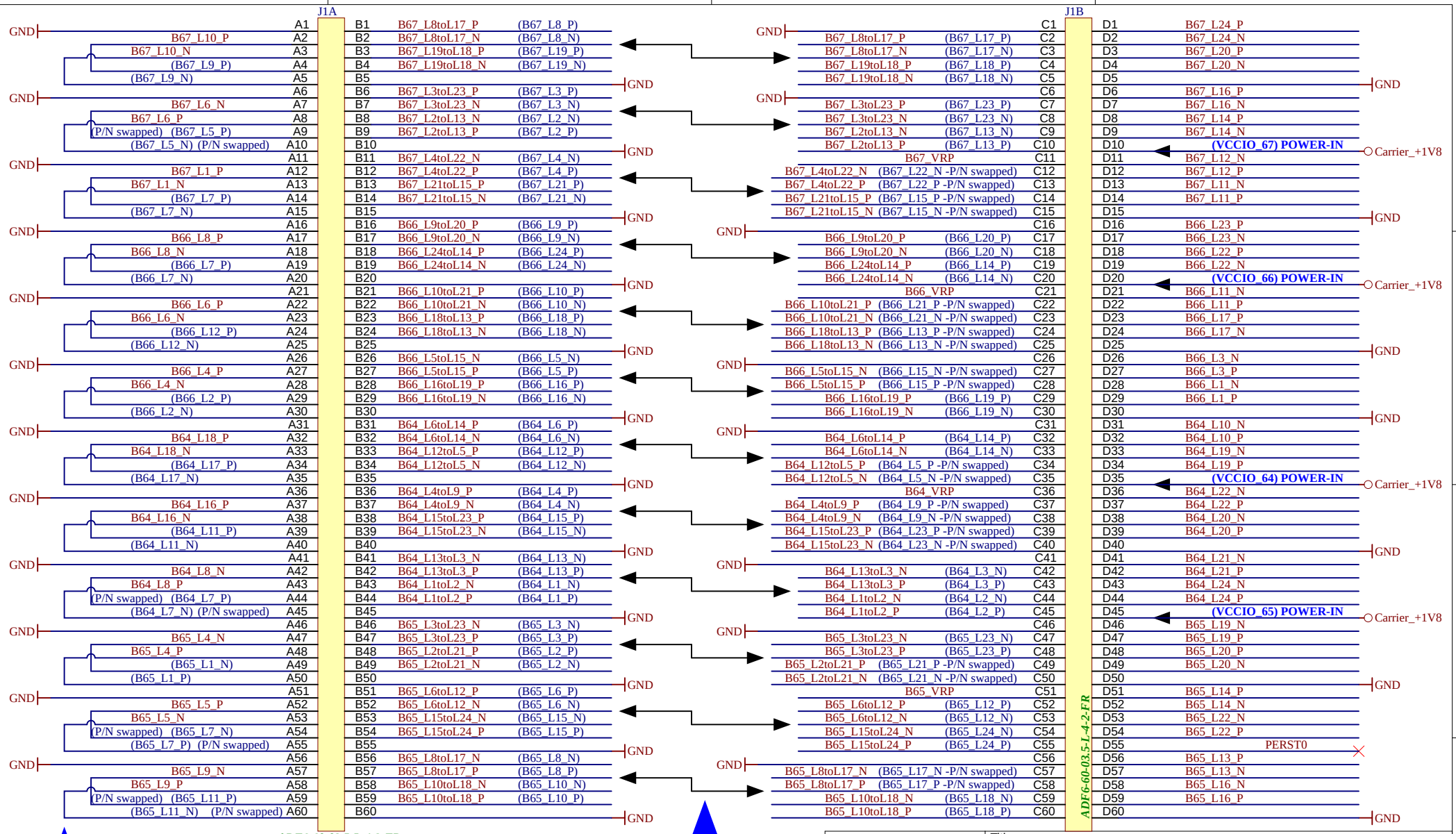
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 2 of 29
Filename: B2B_Connectors.SchDoc			


J1A
J1B
ADF6-60-03.5-L-4-2-FR
ADF6-60-03.5-L-4-2-FR
Additional Loopbacks
Loopbacks
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Title: TEBT0865 – J1_CONNECTOR
A4
Number: 3 A
Rev. 01
Date: 02.08.2021
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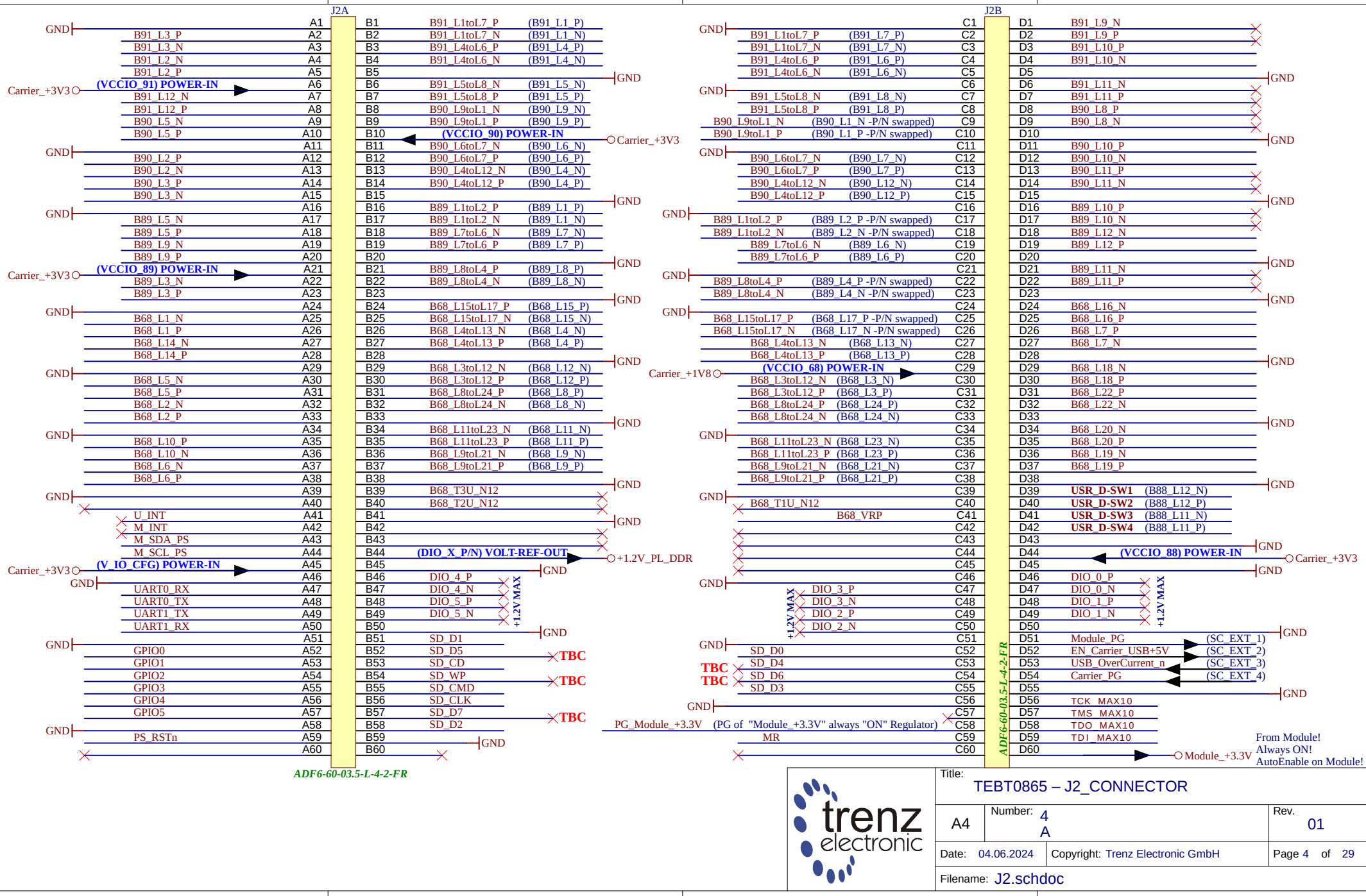
Page 3 of 29
Filename: J1.schdoc



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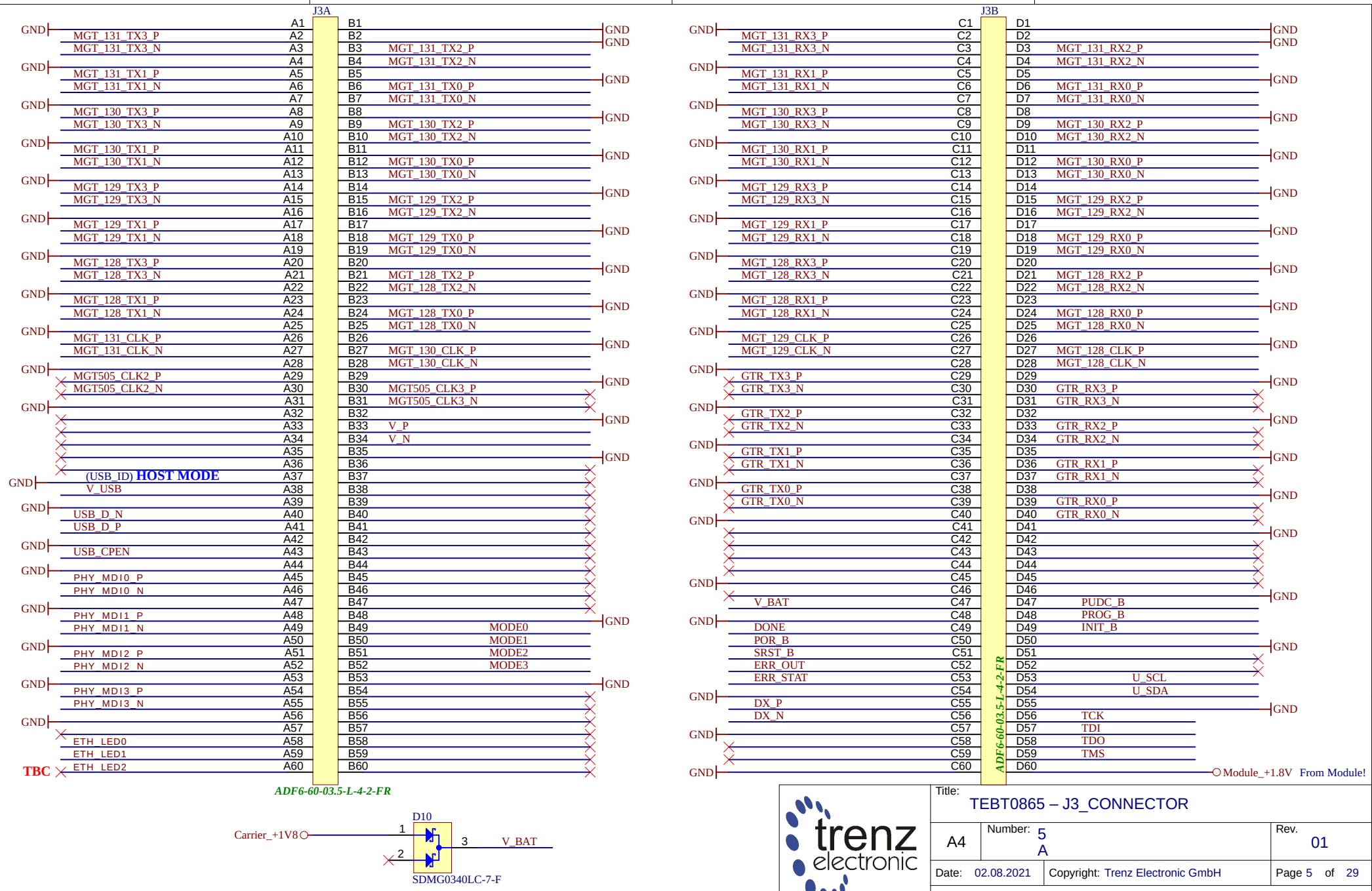
A4	Number: 4 A
Rev.	01
Date: 04.06.2024	Copyright: Trenz Electronic GmbH
Page 4 of 29	
Filename: J2.schdoc	



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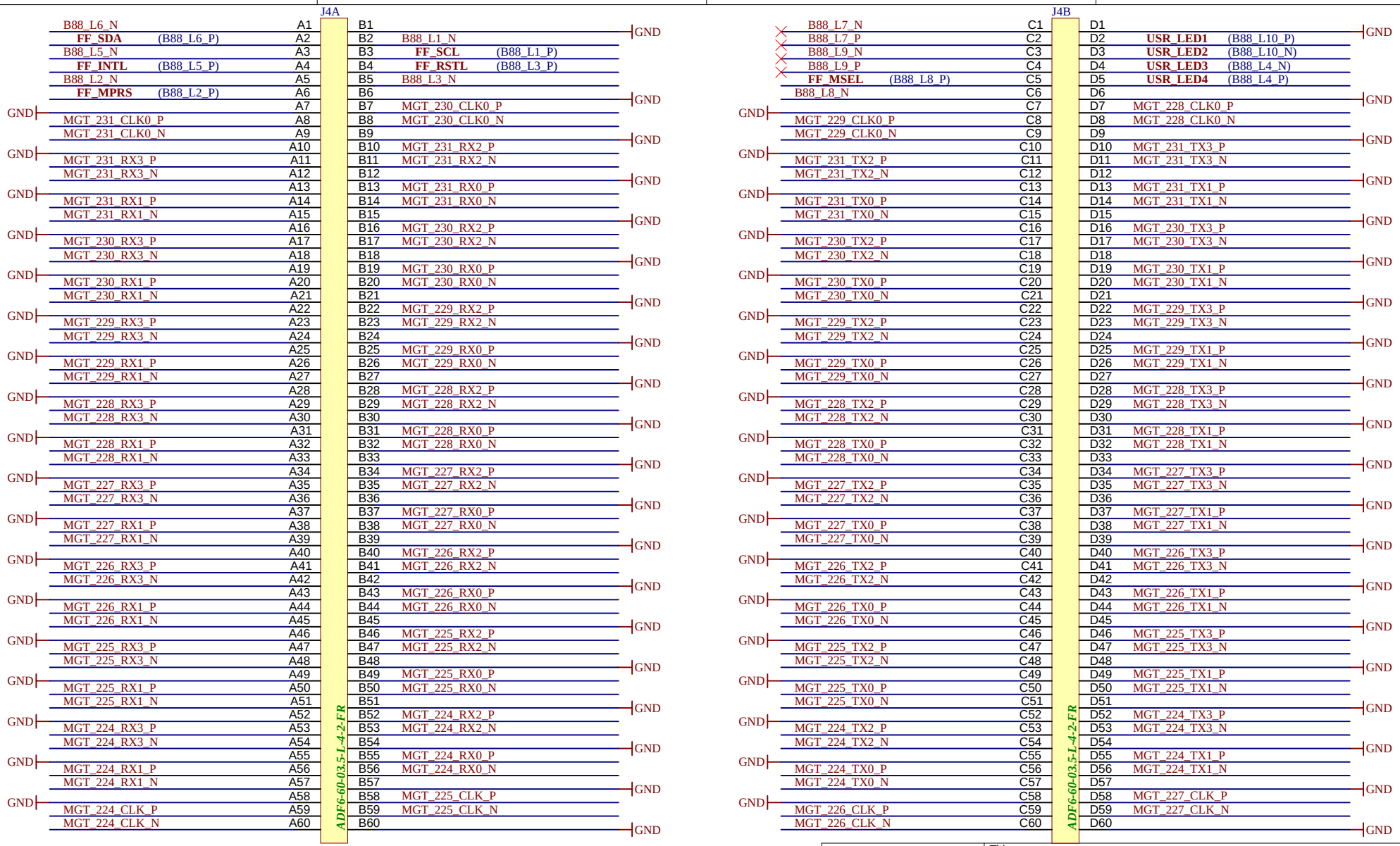
Title: TEBT0865 – J3_CONNECTOR		
A4	Number: 5 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 5 of 29
Filename: J3.schdoc		


J4A
B88_L6_N A1
FF_SDA (B88_L6_P) A2
B88_L5_N A3
FF_INTL (B88_L5_P) A4
B88_L2_N A5
FF_MPRS (B88_L2_P) A6
A7
GND
MGT_231_CLK0_P A8
MGT_231_CLK0_N A9
A10
MGT_231_RX3_P A11
MGT_231_RX3_N A12
A13
MGT_231_RX1_P A14
MGT_231_RX1_N A15
A16
MGT_230_RX3_P A17
MGT_230_RX3_N A18
A19
MGT_230_RX1_P A20
MGT_230_RX1_N A21
A22
MGT_229_RX3_P A23
MGT_229_RX3_N A24
A25
MGT_229_RX1_P A26
MGT_229_RX1_N A27
A28
MGT_228_RX3_P A29
MGT_228_RX3_N A30
A31
MGT_228_RX1_P A32
MGT_228_RX1_N A33
A34
MGT_227_RX3_P A35
MGT_227_RX3_N A36
A37
MGT_227_RX1_P A38
MGT_227_RX1_N A39
A40
MGT_226_RX3_P A41
MGT_226_RX3_N A42
A43
MGT_226_RX1_P A44
MGT_226_RX1_N A45
A46
MGT_225_RX3_P A47
MGT_225_RX3_N A48
A49
MGT_225_RX1_P A50
MGT_225_RX1_N A51
A52
MGT_224_RX3_P A53
MGT_224_RX3_N A54
A55
MGT_224_RX1_P A56
MGT_224_RX1_N A57
A58
MGT_224_CLK_P A59
MGT_224_CLK_N A60
B1
B2 B88_L1_N
B3 FF_SCL (B88_L1_P)
B4 FF_RSTL (B88_L3_P)
B5 B88_L3_N
B6
B7 MGT_230_CLK0_P
B8 MGT_230_CLK0_N
B9
B10 MGT_231_RX2_P
B11 MGT_231_RX2_N
B12
B13 MGT_231_RX0_P
B14 MGT_231_RX0_N
B15
B16 MGT_230_RX2_P
B17 MGT_230_RX2_N
B18
B19 MGT_230_RX0_P
B20 MGT_230_RX0_N
B21
B22 MGT_229_RX2_P
B23 MGT_229_RX2_N
B24
B25 MGT_229_RX0_P
B26 MGT_229_RX0_N
B27
B28 MGT_228_RX2_P
B29 MGT_228_RX2_N
B30
B31 MGT_228_RX0_P
B32 MGT_228_RX0_N
B33
B34 MGT_227_RX2_P
B35 MGT_227_RX2_N
B36
B37 MGT_227_RX0_P
B38 MGT_227_RX0_N
B39
B40 MGT_226_RX2_P
B41 MGT_226_RX2_N
B42
B43 MGT_226_RX0_P
B44 MGT_226_RX0_N
B45
B46 MGT_225_RX2_P
B47 MGT_225_RX2_N
B48
B49 MGT_225_RX0_P
B50 MGT_225_RX0_N
B51
B52 MGT_224_RX2_P
B53 MGT_224_RX2_N
B54
B55 MGT_224_RX0_P
B56 MGT_224_RX0_N
B57
B58 MGT_225_CLK_P
B59 MGT_225_CLK_N
B60
ADF6-60-03.5-L-4-2-FR
J4B
B88_L7_N C1
B88_L7_P C2
B88_L9_N C3
B88_L9_P C4
FF_MSEL (B88_L8_P) C5
B88_L8_N C6
C7
GND
MGT_229_CLK0_P C8
MGT_229_CLK0_N C9
C10
MGT_231_TX2_P C11
MGT_231_TX2_N C12
C13
MGT_231_TX0_P C14
MGT_231_TX0_N C15
C16
MGT_230_TX2_P C17
MGT_230_TX2_N C18
C19
MGT_230_TX0_P C20
MGT_230_TX0_N C21
C22
MGT_229_TX2_P C23
MGT_229_TX2_N C24
C25
MGT_229_TX0_P C26
MGT_229_TX0_N C27
C28
MGT_228_TX2_P C29
MGT_228_TX2_N C30
C31
MGT_228_TX0_P C32
MGT_228_TX0_N C33
C34
MGT_227_TX2_P C35
MGT_227_TX2_N C36
C37
MGT_227_TX0_P C38
MGT_227_TX0_N C39
C40
MGT_226_TX2_P C41
MGT_226_TX2_N C42
C43
MGT_226_TX0_P C44
MGT_226_TX0_N C45
C46
MGT_225_TX2_P C47
MGT_225_TX2_N C48
C49
MGT_225_TX0_P C50
MGT_225_TX0_N C51
C52
MGT_224_TX2_P C53
MGT_224_TX2_N C54
C55
MGT_224_TX0_P C56
MGT_224_TX0_N C57
C58
MGT_226_CLK_P C59
MGT_226_CLK_N C60
D1
D2 USR_LED1 (B88_L10_P)
D3 USR_LED2 (B88_L10_N)
D4 USR_LED3 (B88_L4_N)
D5 USR_LED4 (B88_L4_P)
D6
D7 MGT_228_CLK0_P
D8 MGT_228_CLK0_N
D9
D10 MGT_231_TX3_P
D11 MGT_231_TX3_N
D12
D13 MGT_231_TX1_P
D14 MGT_231_TX1_N
D15
D16 MGT_230_TX3_P
D17 MGT_230_TX3_N
D18
D19 MGT_230_TX1_P
D20 MGT_230_TX1_N
D21
D22 MGT_229_TX3_P
D23 MGT_229_TX3_N
D24
D25 MGT_229_TX1_P
D26 MGT_229_TX1_N
D27
D28 MGT_228_TX3_P
D29 MGT_228_TX3_N
D30
D31 MGT_228_TX1_P
D32 MGT_228_TX1_N
D33
D34 MGT_227_TX3_P
D35 MGT_227_TX3_N
D36
D37 MGT_227_TX1_P
D38 MGT_227_TX1_N
D39
D40 MGT_226_TX3_P
D41 MGT_226_TX3_N
D42
D43 MGT_226_TX1_P
D44 MGT_226_TX1_N
D45
D46 MGT_225_TX3_P
D47 MGT_225_TX3_N
D48
D49 MGT_225_TX1_P
D50 MGT_225_TX1_N
D51
D52 MGT_224_TX3_P
D53 MGT_224_TX3_N
D54
D55 MGT_224_TX1_P
D56 MGT_224_TX1_N
D57
D58 MGT_227_CLK_P
D59 MGT_227_CLK_N
D60
ADF6-60-03.5-L-4-2-FR
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Title: TEBT0865 – J4_CONNECTOR
A4
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Filename: J4.schdoc

MGT_224_RX1_P	C116	100nF X5R 6.3V	MGT_224_TX0_P	
MGT_224_RX1_N	C117	100nF X5R 6.3V	MGT_224_TX0_N	
MGT_224_RX0_P	C118	100nF X5R 6.3V	MGT_224_TX1_P	
MGT_224_RX0_N	C119	100nF X5R 6.3V	MGT_224_TX1_N	
MGT_224_RX3_P	C120	100nF X5R 6.3V	MGT_224_TX2_P	
MGT_224_RX3_N	C121	100nF X5R 6.3V	MGT_224_TX2_N	
MGT_224_RX2_P	C122	100nF X5R 6.3V	MGT_224_TX3_P	
MGT_224_RX2_N	C123	100nF X5R 6.3V	MGT_224_TX3_N	

MGT_225_RX1_P	C98	100nF X5R 6.3V	MGT_225_TX0_P	
MGT_225_RX1_N	C99	100nF X5R 6.3V	MGT_225_TX0_N	
MGT_225_RX0_P	C100	100nF X5R 6.3V	MGT_225_TX1_P	
MGT_225_RX0_N	C101	100nF X5R 6.3V	MGT_225_TX1_N	
MGT_225_RX3_P	C102	100nF X5R 6.3V	MGT_225_TX2_P	
MGT_225_RX3_N	C103	100nF X5R 6.3V	MGT_225_TX2_N	
MGT_225_RX2_P	C104	100nF X5R 6.3V	MGT_225_TX3_P	
MGT_225_RX2_N	C105	100nF X5R 6.3V	MGT_225_TX3_N	

MGT_226_RX1_P	C106	100nF X5R 6.3V	MGT_226_TX0_P	
MGT_226_RX1_N	C107	100nF X5R 6.3V	MGT_226_TX0_N	
MGT_226_RX0_P	C108	100nF X5R 6.3V	MGT_226_TX1_P	
MGT_226_RX0_N	C109	100nF X5R 6.3V	MGT_226_TX1_N	
MGT_226_RX3_P	C110	100nF X5R 6.3V	MGT_226_TX2_P	
MGT_226_RX3_N	C111	100nF X5R 6.3V	MGT_226_TX2_N	
MGT_226_RX2_P	C112	100nF X5R 6.3V	MGT_226_TX3_P	
MGT_226_RX2_N	C113	100nF X5R 6.3V	MGT_226_TX3_N	

MGT_227_RX1_P	C90	100nF X5R 6.3V	MGT_227_TX0_P	
MGT_227_RX1_N	C91	100nF X5R 6.3V	MGT_227_TX0_N	
MGT_227_RX0_P	C92	100nF X5R 6.3V	MGT_227_TX1_P	
MGT_227_RX0_N	C93	100nF X5R 6.3V	MGT_227_TX1_N	
MGT_227_RX3_P	C94	100nF X5R 6.3V	MGT_227_TX2_P	
MGT_227_RX3_N	C95	100nF X5R 6.3V	MGT_227_TX2_N	
MGT_227_RX2_P	C96	100nF X5R 6.3V	MGT_227_TX3_P	
MGT_227_RX2_N	C97	100nF X5R 6.3V	MGT_227_TX3_N	

MGT_228_RX1_P	C42	100nF X5R 6.3V	MGT_228_TX0_P	
MGT_228_RX1_N	C43	100nF X5R 6.3V	MGT_228_TX0_N	
MGT_228_RX0_P	C44	100nF X5R 6.3V	MGT_228_TX1_P	
MGT_228_RX0_N	C45	100nF X5R 6.3V	MGT_228_TX1_N	
MGT_228_RX3_P	C46	100nF X5R 6.3V	MGT_228_TX2_P	
MGT_228_RX3_N	C47	100nF X5R 6.3V	MGT_228_TX2_N	
MGT_228_RX2_P	C48	100nF X5R 6.3V	MGT_228_TX3_P	
MGT_228_RX2_N	C49	100nF X5R 6.3V	MGT_228_TX3_N	

MGT_229_RX1_P	C18	100nF X5R 6.3V	MGT_229_TX0_P	
MGT_229_RX1_N	C19	100nF X5R 6.3V	MGT_229_TX0_N	
MGT_229_RX0_P	C20	100nF X5R 6.3V	MGT_229_TX1_P	
MGT_229_RX0_N	C21	100nF X5R 6.3V	MGT_229_TX1_N	
MGT_229_RX3_P	C22	100nF X5R 6.3V	MGT_229_TX2_P	
MGT_229_RX3_N	C23	100nF X5R 6.3V	MGT_229_TX2_N	
MGT_229_RX2_P	C24	100nF X5R 6.3V	MGT_229_TX3_P	
MGT_229_RX2_N	C25	100nF X5R 6.3V	MGT_229_TX3_N	

MGT_230_RX1_P	C26	100nF X5R 6.3V	MGT_230_TX0_P	
MGT_230_RX1_N	C27	100nF X5R 6.3V	MGT_230_TX0_N	
MGT_230_RX0_P	C28	100nF X5R 6.3V	MGT_230_TX1_P	
MGT_230_RX0_N	C29	100nF X5R 6.3V	MGT_230_TX1_N	
MGT_230_RX3_P	C30	100nF X5R 6.3V	MGT_230_TX2_P	
MGT_230_RX3_N	C31	100nF X5R 6.3V	MGT_230_TX2_N	
MGT_230_RX2_P	C32	100nF X5R 6.3V	MGT_230_TX3_P	
MGT_230_RX2_N	C33	100nF X5R 6.3V	MGT_230_TX3_N	

MGT_231_RX1_P	C11	100nF X5R 6.3V	MGT_231_TX0_P	
MGT_231_RX1_N	C12	100nF X5R 6.3V	MGT_231_TX0_N	
MGT_231_RX0_P	C13	100nF X5R 6.3V	MGT_231_TX1_P	
MGT_231_RX0_N	C14	100nF X5R 6.3V	MGT_231_TX1_N	
MGT_231_RX3_P	C10	100nF X5R 6.3V	MGT_231_TX2_P	
MGT_231_RX3_N	C15	100nF X5R 6.3V	MGT_231_TX2_N	
MGT_231_RX2_P	C16	100nF X5R 6.3V	MGT_231_TX3_P	
MGT_231_RX2_N	C17	100nF X5R 6.3V	MGT_231_TX3_N	

GTH

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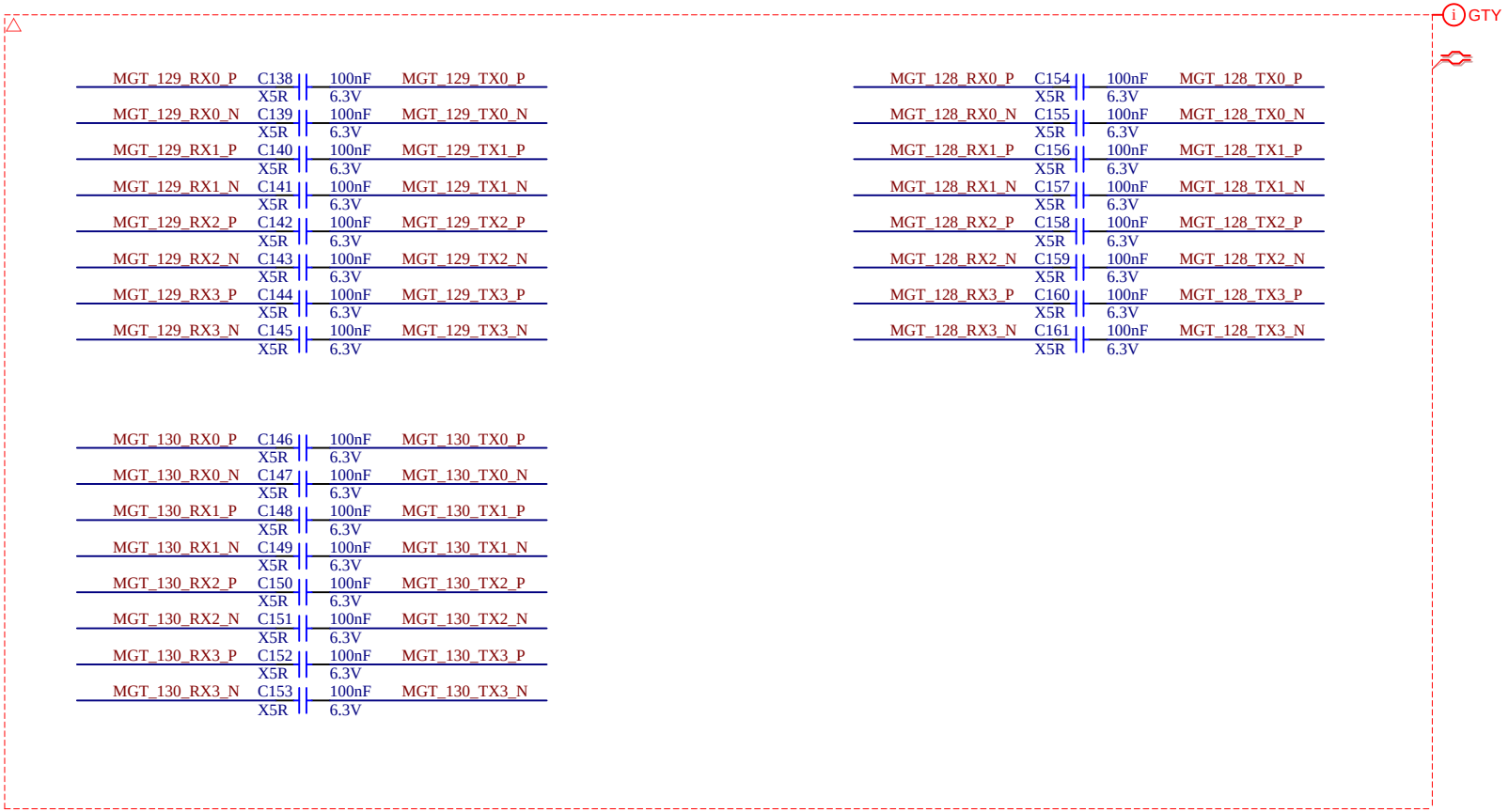
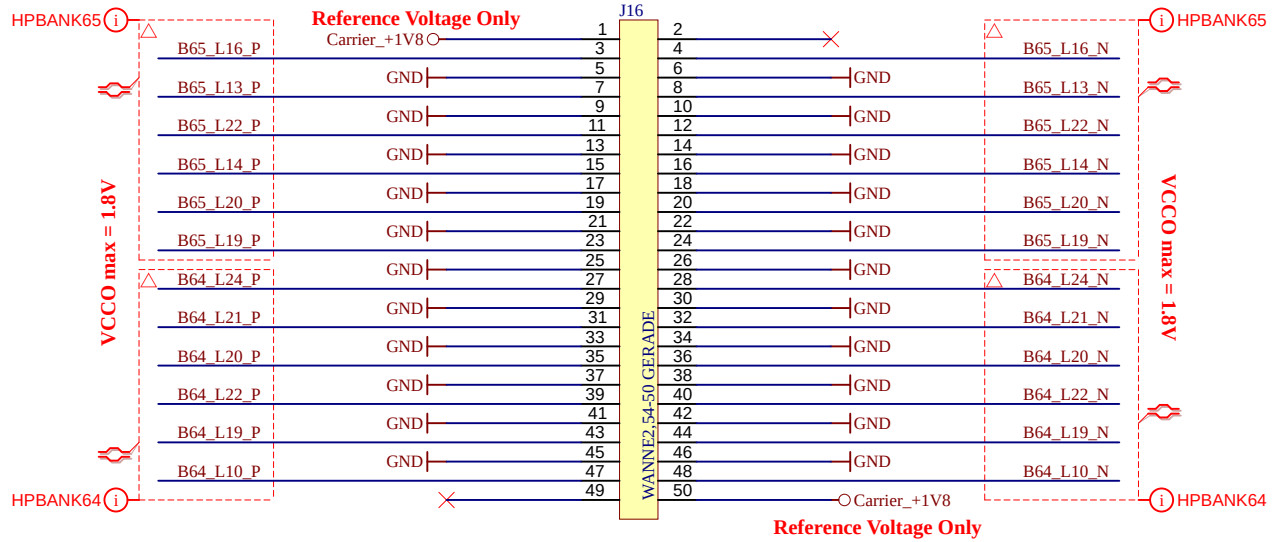
Title: TEBT0865 – GTH_Loopback_Connections			
A4	Number: 7 A		Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 7 of 29
Filename: GTH_Loopback.schdoc			



trenz electronic	Title: TEBT0865 – GTY_Loopback_Connections		
A4	Number: 8 A		Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 8 of 29
Filename: GTY_Loopback.schdoc			



PCB Loopback connections

Routed as differential pairs

B64_L6_P	B64_L6toL14_P	B64_L14_P	
B64_L6_N)	B64_L6toL14_N	B64_L14_N	
B64_L12_P	B64_L12toL5_P	B64_L5_P	(P/N swapped)
B64_L12_N)	B64_L12toL5_N	B64_L5_N	(P/N swapped)
B64_L4_P	B64_L4toL9_P	B64_L9_P	(P/N swapped)
B64_L4_N)	B64_L4toL9_N	B64_L9_N	(P/N swapped)
B64_L15_P	B64_L15toL23_P	B64_L23_P	(P/N swapped)
B64_L15_N)	B64_L15toL23_N	B64_L23_N	(P/N swapped)
B64_L13_N)	B64_L13toL3_N	B64_L3_N	
B64_L13_P	B64_L13toL3_P	B64_L3_P	
B64_L1_N)	B64_L1toL2_N	B64_L2_N	
B64_L1_P	B64_L1toL2_P	B64_L2_P	

HPBANK64

HPBANK65

Routed as differential pairs

B65_L3_N	B65_L3toL23_N	B65_L23_N	
B65_L3_P	B65_L3toL23_P	B65_L23_P	
B65_L2_P	B65_L2toL21_P	B65_L21_P	(P/N swapped)
B65_L2_N	B65_L2toL21_N	B65_L21_N	(P/N swapped)
B65_L6_P	B65_L6toL12_P	B65_L12_P	
B65_L6_N	B65_L6toL12_N	B65_L12_N	
B65_L15_N	B65_L15toL24_N	B65_L24_N	
B65_L15_P	B65_L15toL24_P	B65_L24_P	
B65_L8_N	B65_L8toL17_N	B65_L17_N	(P/N swapped)
B65_L8_P	B65_L8toL17_P	B65_L17_P	(P/N swapped)
B65_L10_N	B65_L10toL18_N	B65_L18_N	
B65_L10_P	B65_L10toL18_P	B65_L18_P	

Routed as single-ended

(B64_L17_P)	B64_L18_P	
(B64_L17_N)	B64_L18_N	
(B64_L11_P)	B64_L16_P	
(B64_L11_N)	B64_L16_N	
(B64_L7_P)	B64_L8_N	(P/N swapped)
(B64_L7_N)	B64_L8_P	(P/N swapped)

HPBANK64

HPBANK65

(B65_L1_N)	B65_L4_N	
(B65_L1_P)	B65_L4_P	
(B65_L7_N)	B65_L5_P	(P/N swapped)
(B65_L7_P)	B65_L5_N	(P/N swapped)
(B65_L11_P)	B65_L9_N	(P/N swapped)
(B65_L11_N)	B65_L9_P	(P/N swapped)

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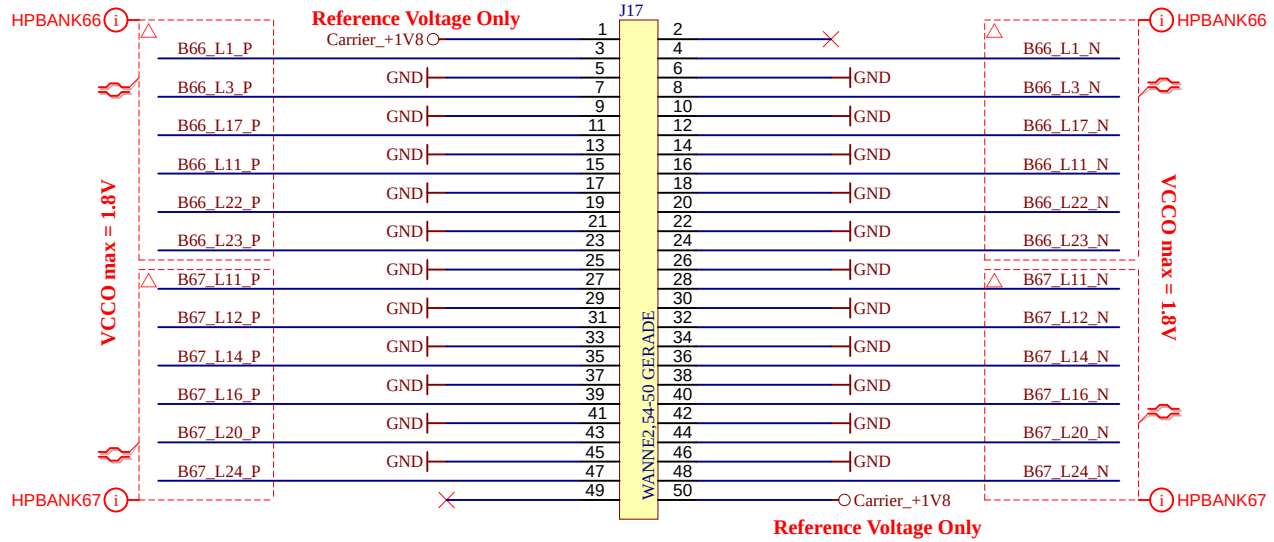
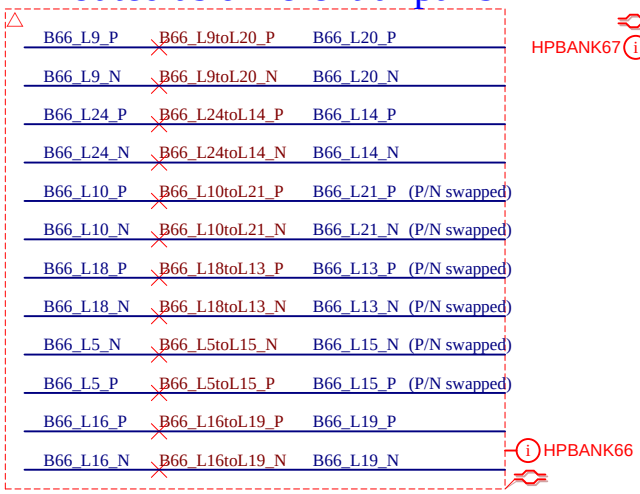
Title: TEBT0865 – Bank64 and Bank65 Header and Loopbacks

A4	Number: 9 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 9 of 29
Filename: BANK64-65_Header.SchDoc		

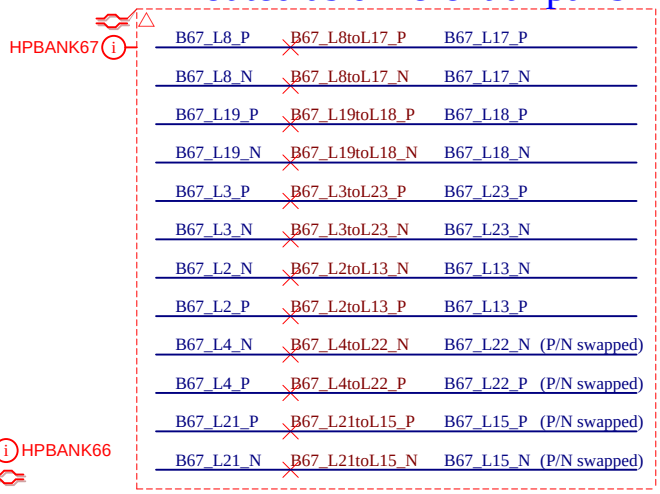


PCB Loopback connections

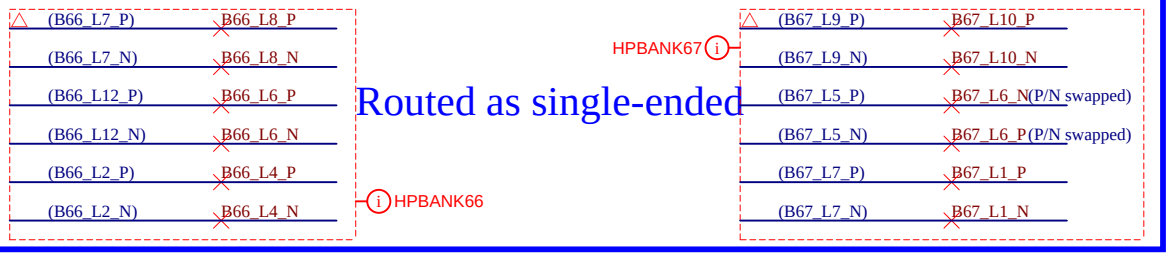
Routed as differential pairs



Routed as differential pairs

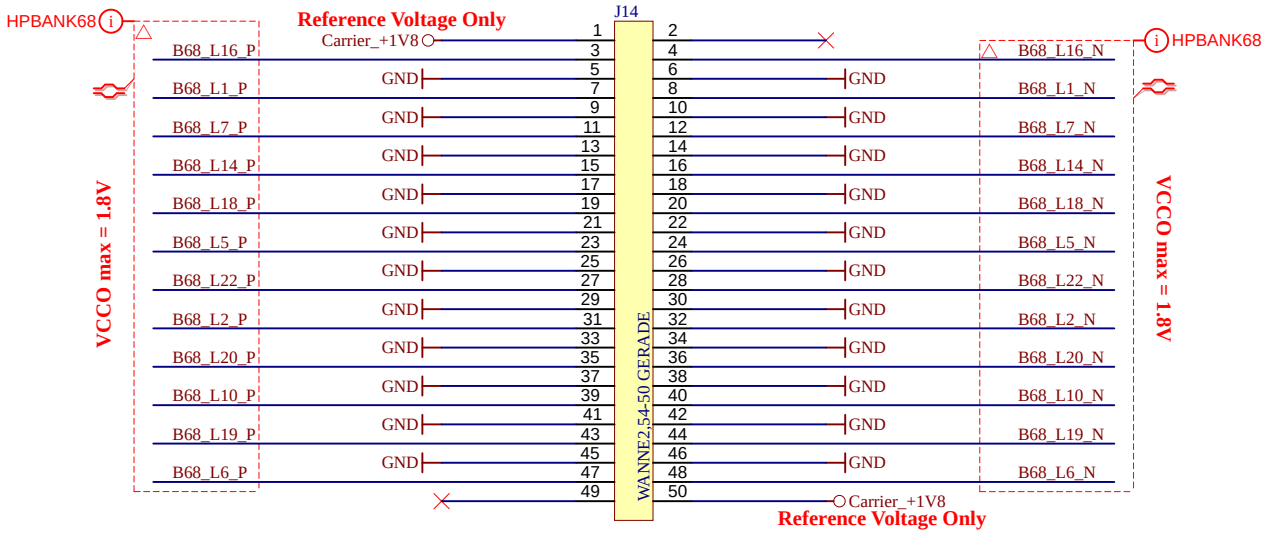


Routed as single-ended



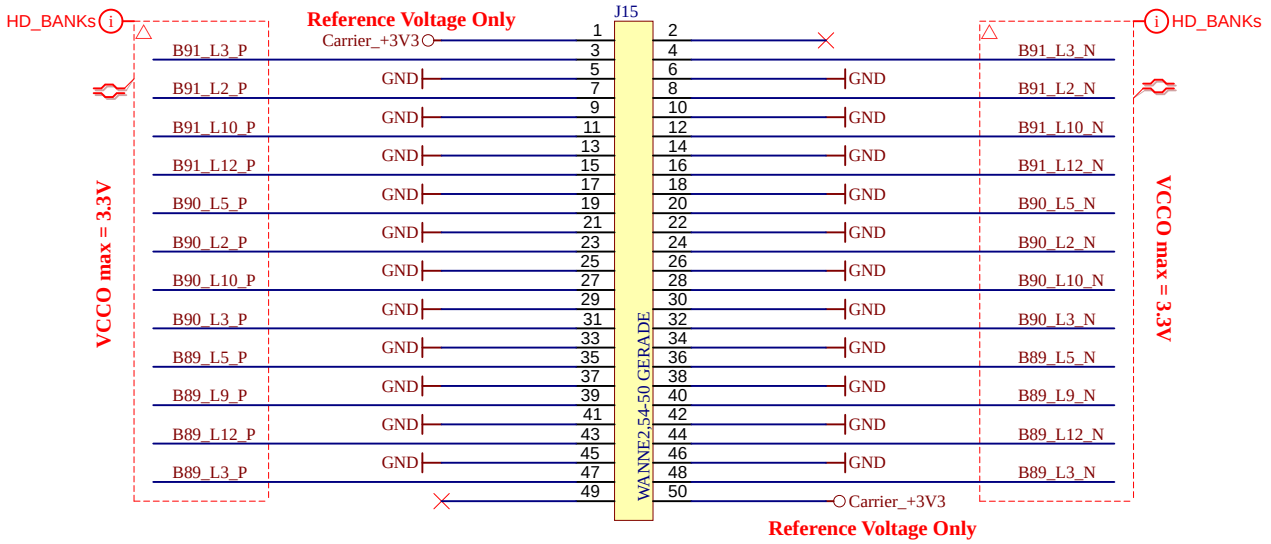
trenz electronic

Title: TEBT0865 – Bank66 and Bank67 Header and Loopbacks		
A4	Number: 10 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 10 of 29
Filename: BANK66-67_Header.SchDoc		

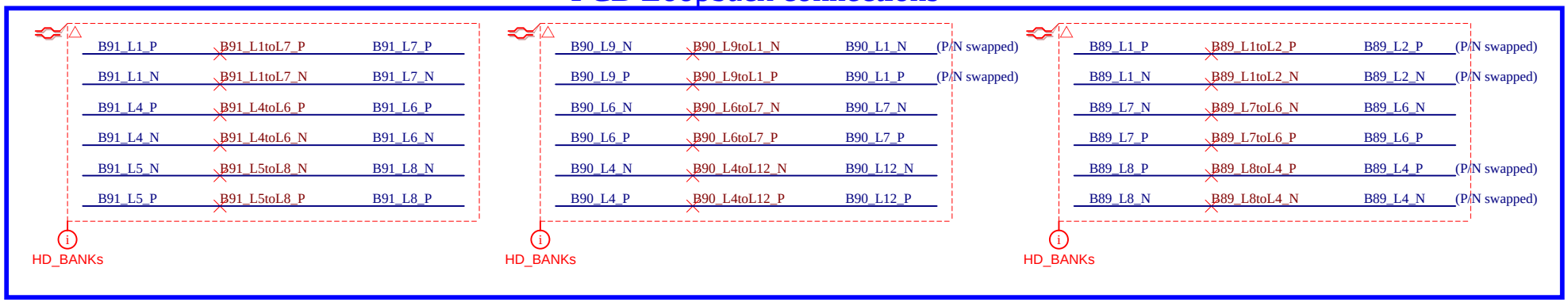


PCB Loopback connections

trenz electronic	Title: TEBT0865 – BANK68 Header and Loopbacks		
A4	Number: 11 A		Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 11 of 29
Filename: BANK68_Header.SchDoc			



PCB Loopback connections



trenz electronic	Title: TEBT0865 – HD BANKS Header and Loopback		
	A4	Number: 12 A	Rev. 01
	Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 12 of 29
	Filename: HD_BANKS_Header.SchDoc		

GTH CLOCKs

CLOCKs_1

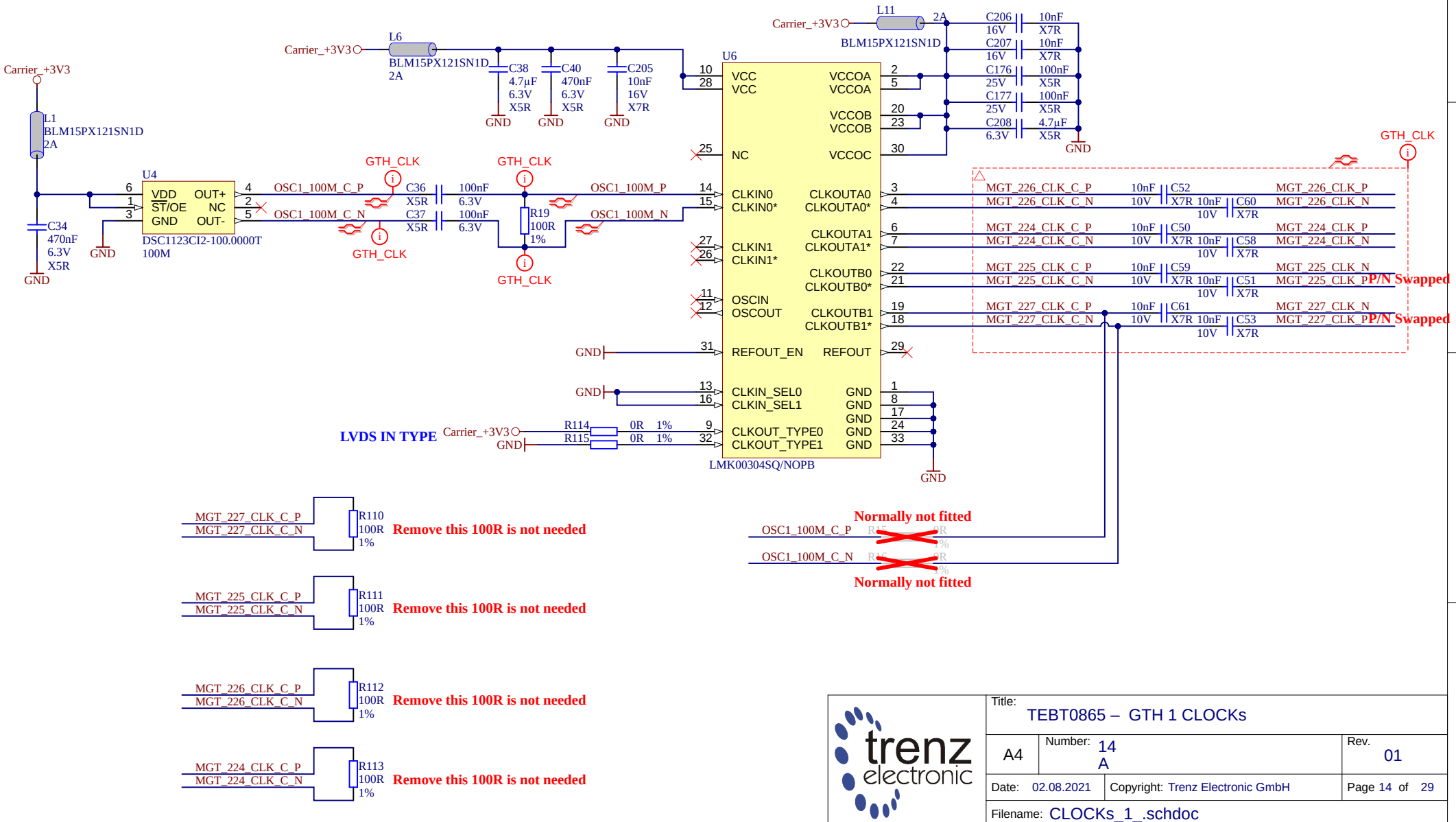
GTH CLOCKs

CLOCKs_2

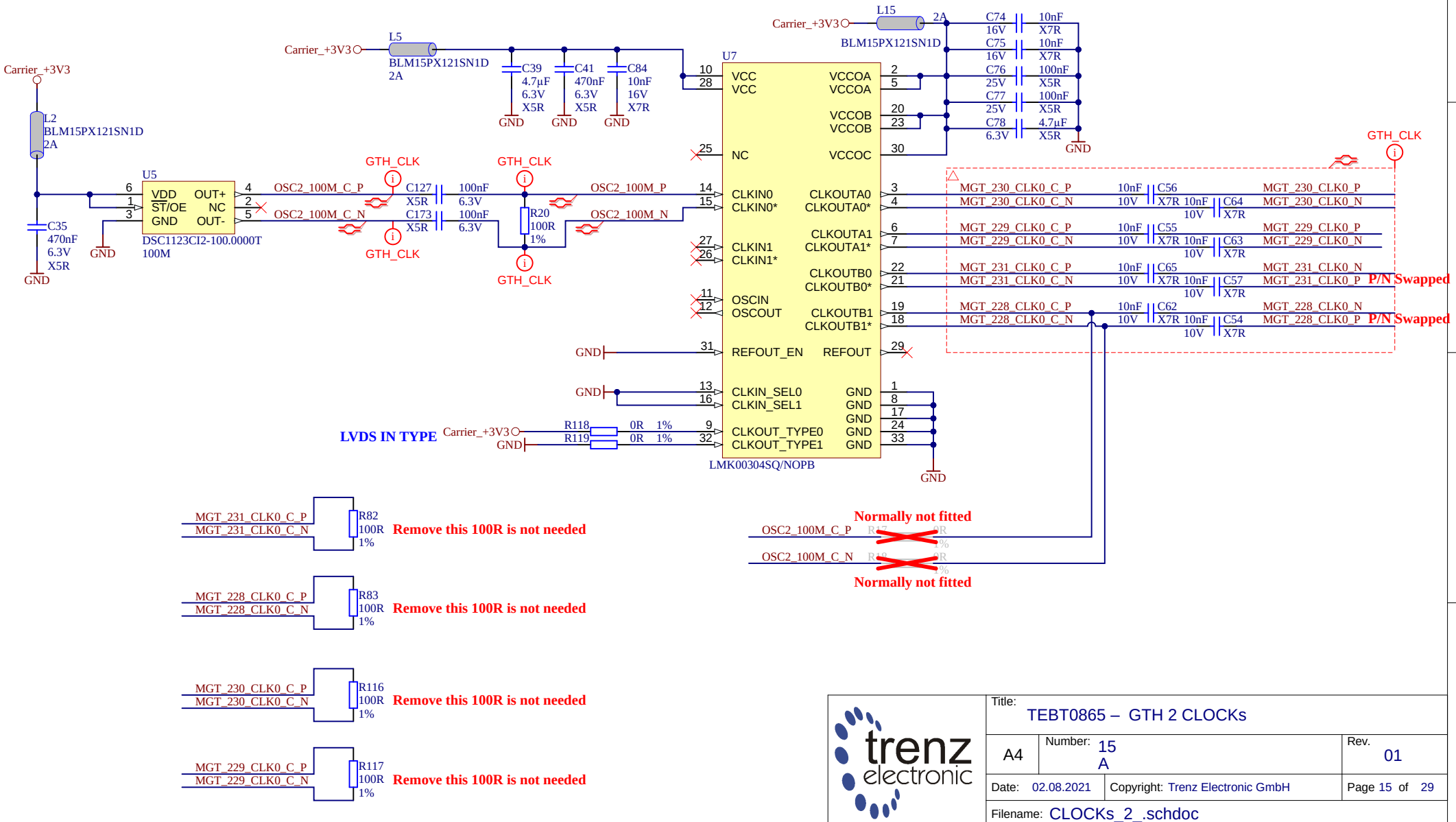
GTY CLOCKs

CLOCKs_3

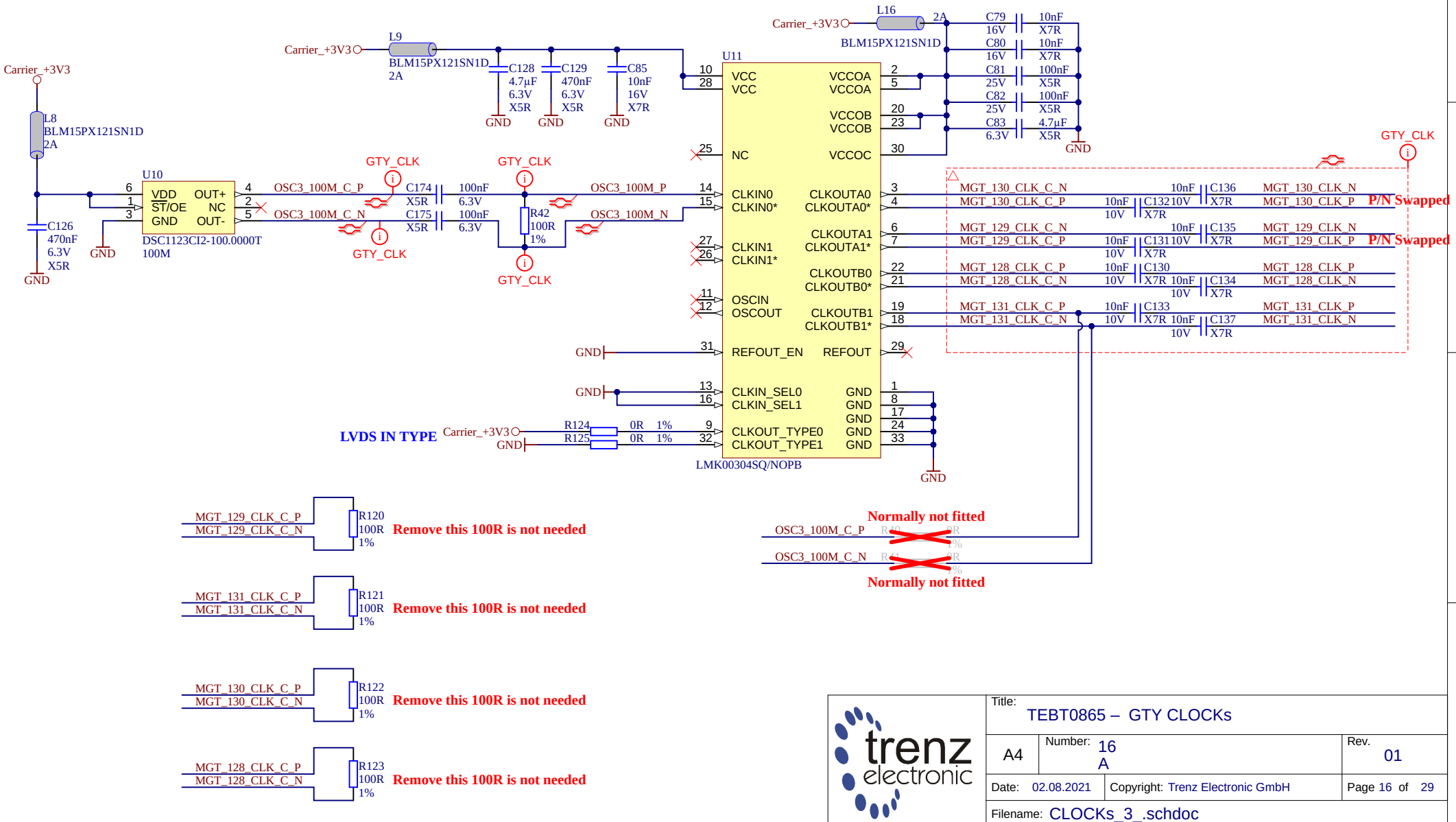
trenz electronic	Title: TEBT0865 – CLOCKs		
	A4	Number: 13 A	Rev. 01
	Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 13 of 29
	Filename: CLOCKs.schdoc		



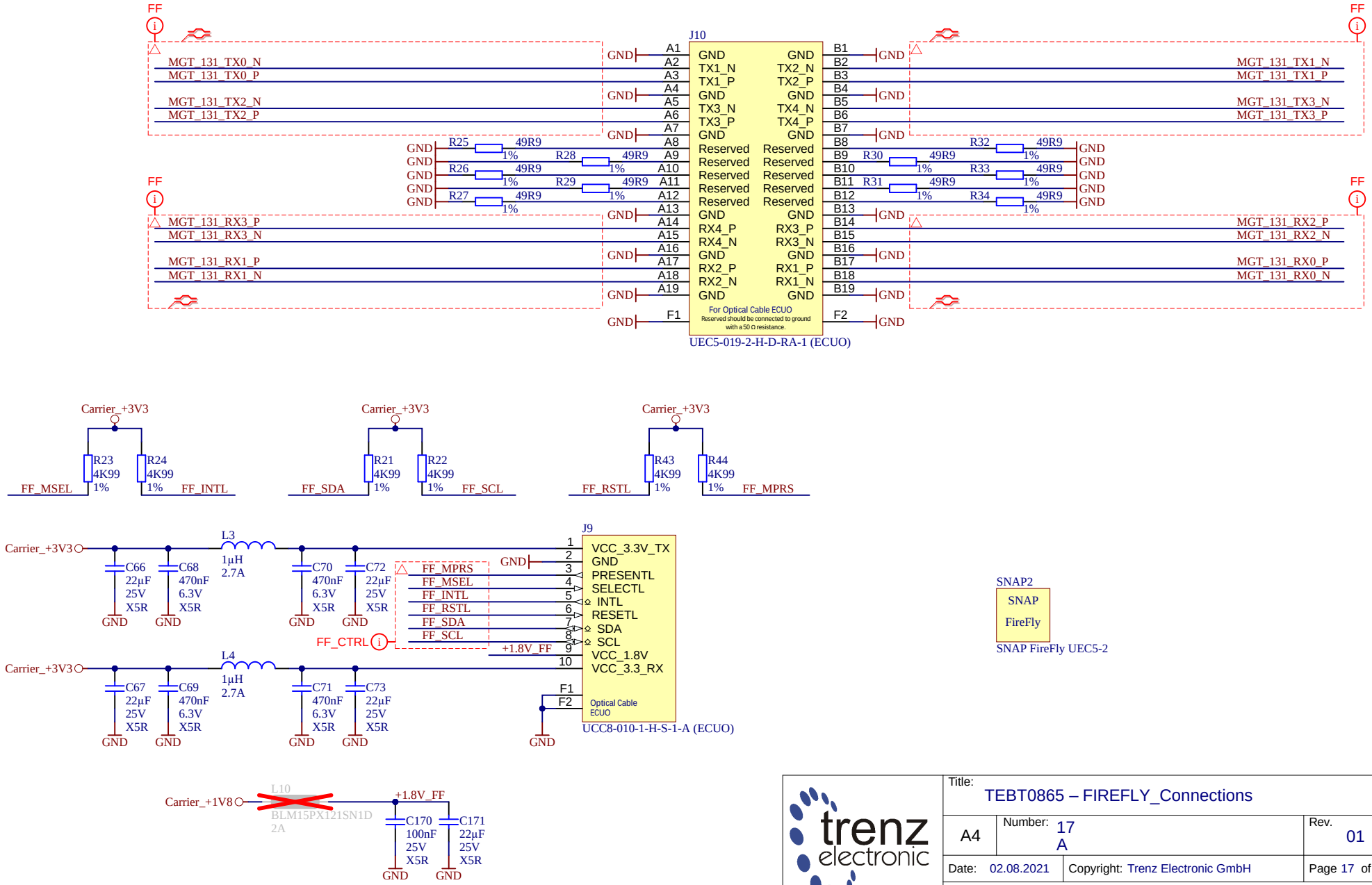
Title: TEBT0865 – GTH 1 CLOCKs		
A4	Number: 14 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 14 of 29
Filename: CLOCKs_1_.schdoc		



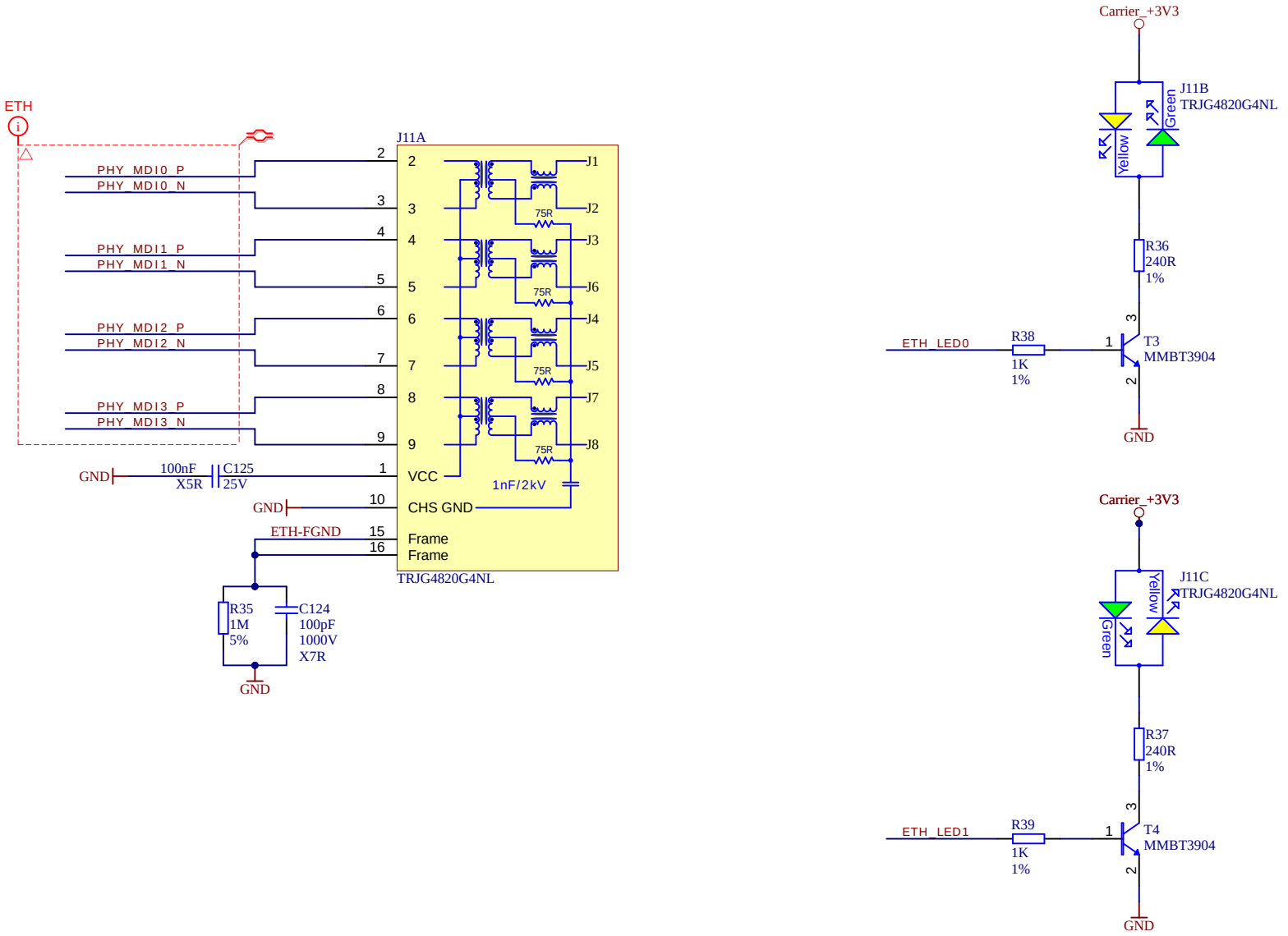
Title: TEBT0865 – GTH 2 CLOCKs		
A4	Number: 15 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 15 of 29
Filename: CLOCKs_2_.schdoc		



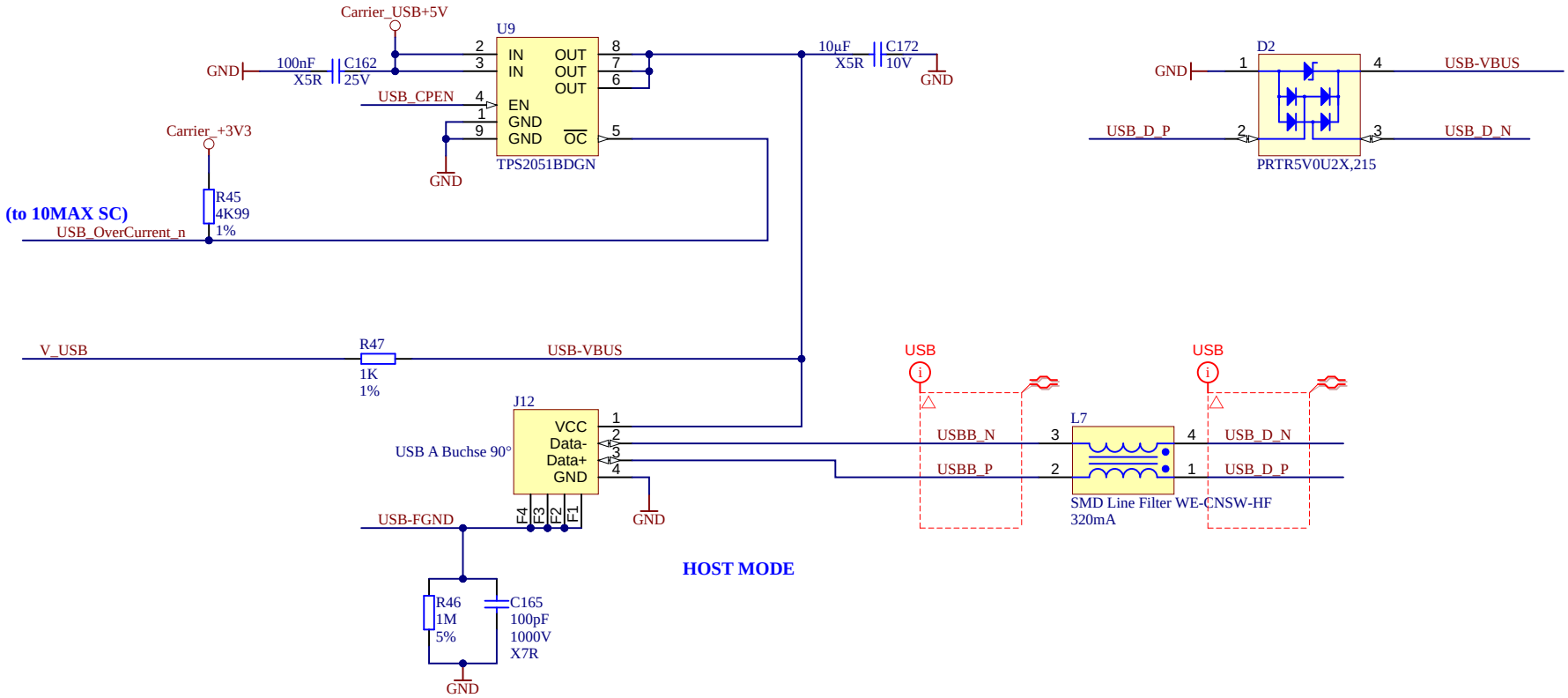
Title: TEBT0865 – GTY CLOCKs		
A4	Number: 16 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 16 of 29
Filename: CLOCKs_3_.schdoc		



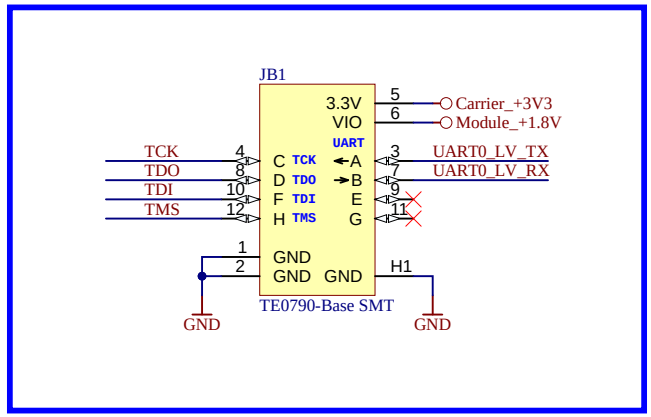
trenz electronic	Title: TEBT0865 – FIREFLY_Connections		
A4	Number: 17 A		Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 17 of 29
Filename: FIREFLY.SchDoc			



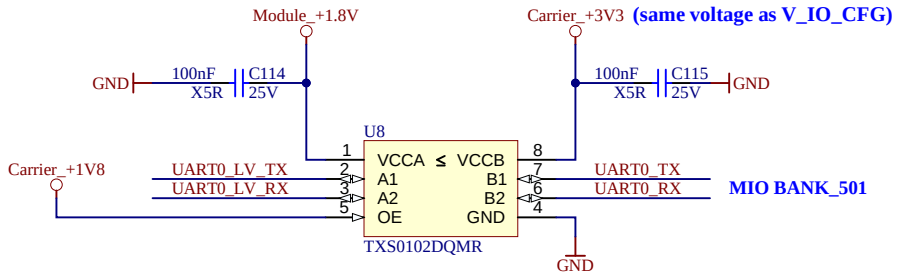
trenz electronic	Title: TEBT0865 – ETHERNET		
A4	Number: 18 A		Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 18 of 29
Filename: ETHERNET.SchDoc			

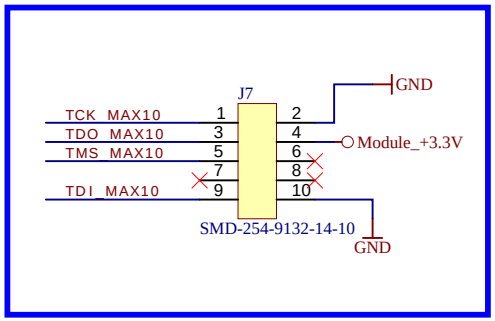


trenz electronic	Title: TEBT0865 – USB		
A4	Number: 19 A		Rev. 01
Date: 17.06.2024	Copyright: Trenz Electronic GmbH		Page 19 of 29
Filename: USB.SchDoc			

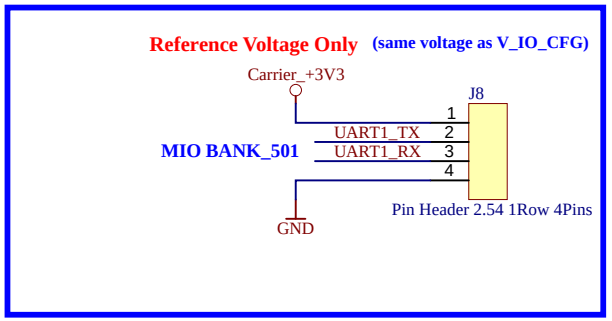


TE0790 XMOD JTAG PROGRAMMER/UART0 HEADER



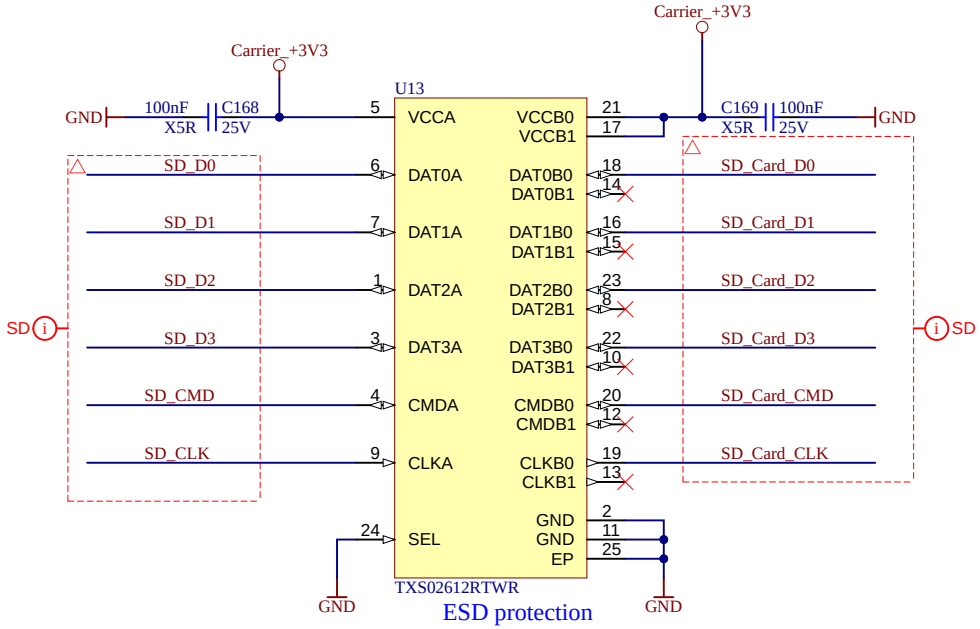


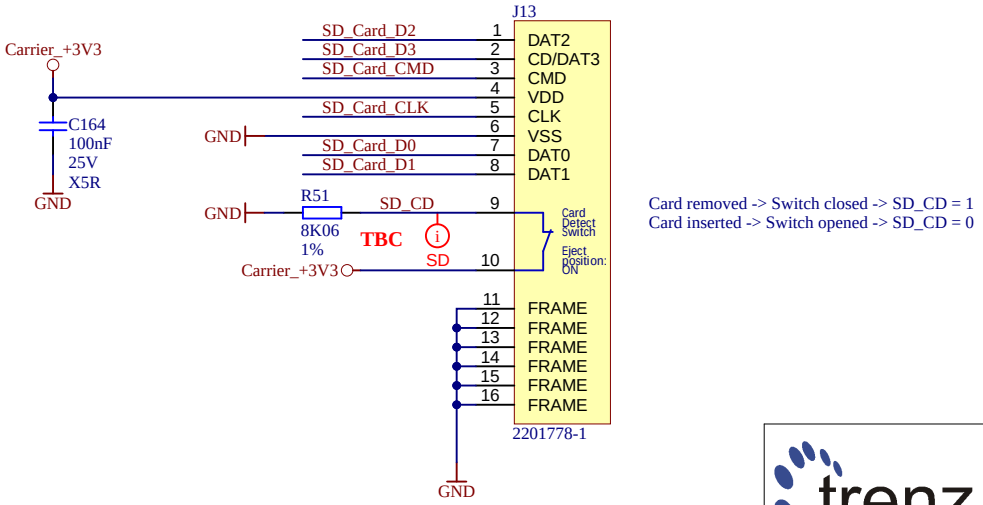
10MAX SC TEI0004 JTAG PROGRAMMER HEADER



UART1 HEADER ONLY

trenz electronic	Title: TEBT0865 – JTAG_UART_Connections	
A4	Number: 20 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 20 of 29
Filename: JTAG_UART_Connections.SchDoc		





Card removed -> Switch closed -> SD_CD = 1
Card inserted -> Switch opened -> SD_CD = 0

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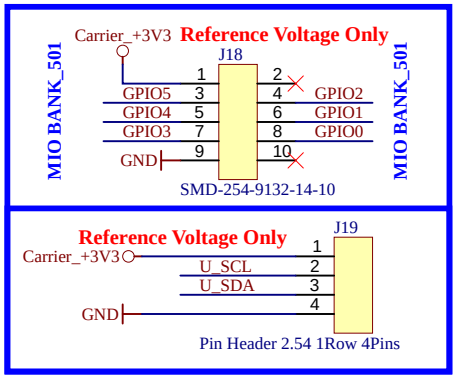
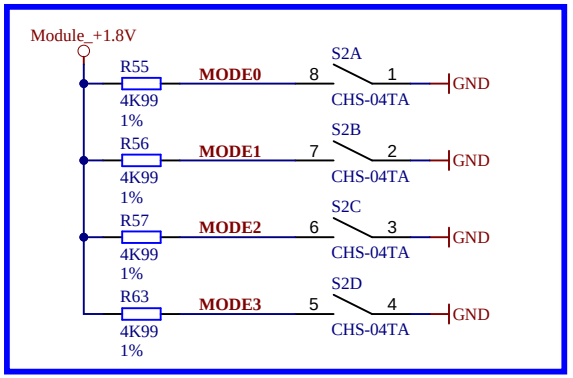
Title: TEBT0865 – SD Card		
A4	Number: 21 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 21 of 29
Filename: SD_Card.SchDoc		

Mode	3	2	1	0
PS JTAG	On	On	On	On
Quad-SPI (32b)	On	On	Off	On
SD1 (2.0)	On	Off	On	Off
eMMC (1.8V)	On	Off	Off	On

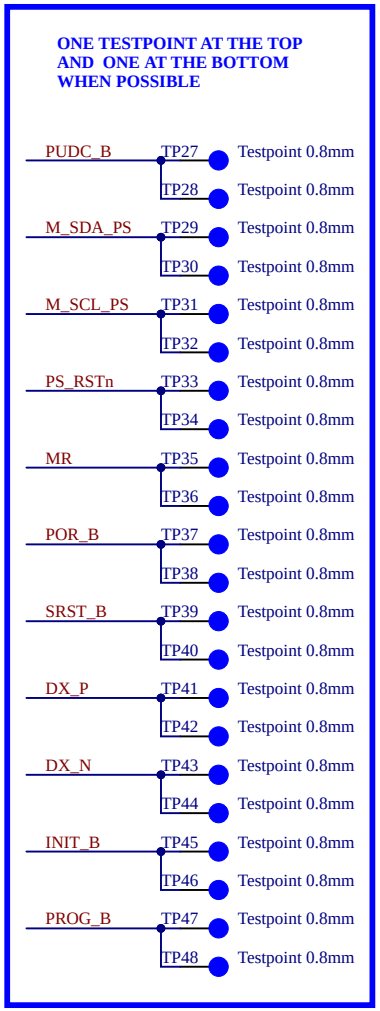
S2 Boot mode switch



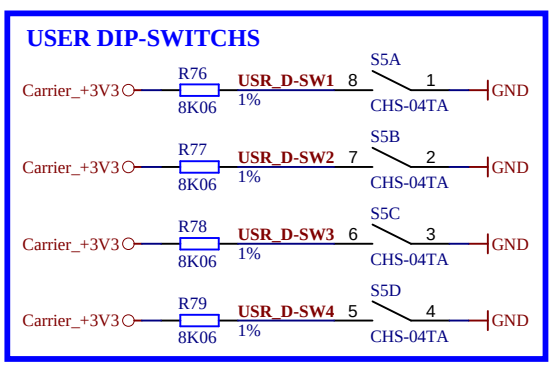
ADDITIONAL HEADERS



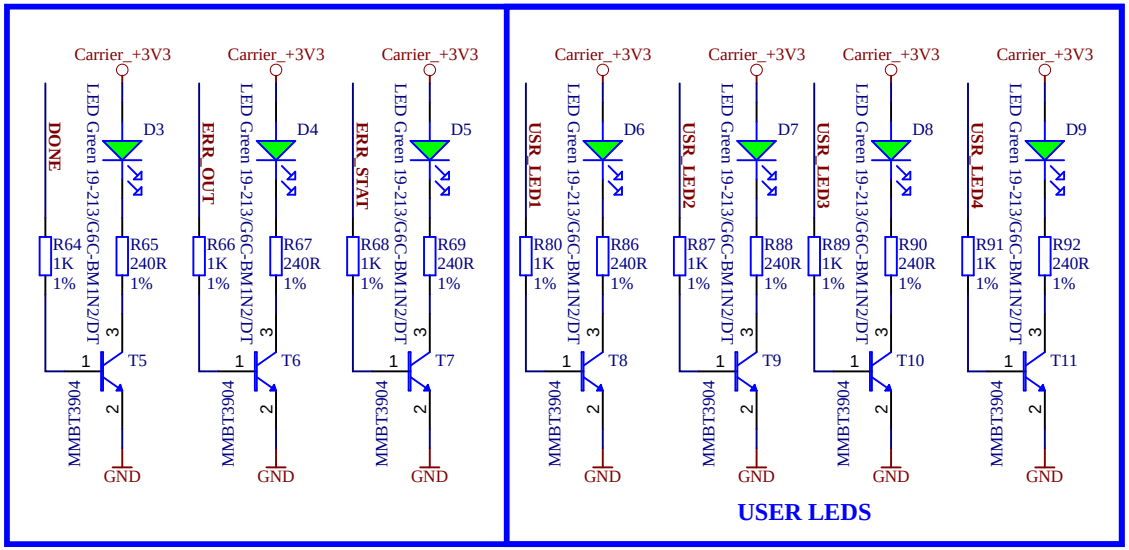
MODE SELECTION



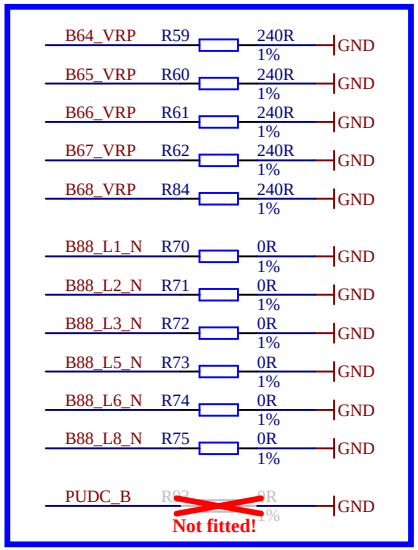
TESTPOINTS



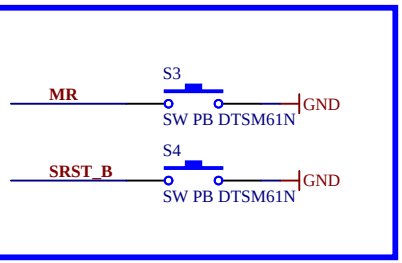
DIP-SWITCHS



LEDS



TERMINATIONS



PUSH BUTTONS

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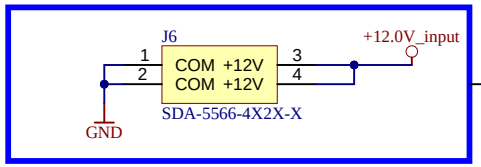
Title: TEBT0865 – MISC_BASE		
A4	Number: 22 A	Rev. 01
Date: 01.03.2024	Copyright: Trenz Electronic GmbH	Page 22 of 29
Filename: MISC_BASE.SchDoc		

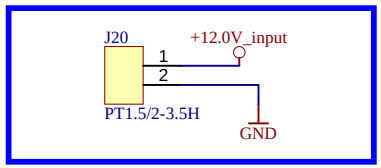


MAIN POWER-IN CONNECTOR

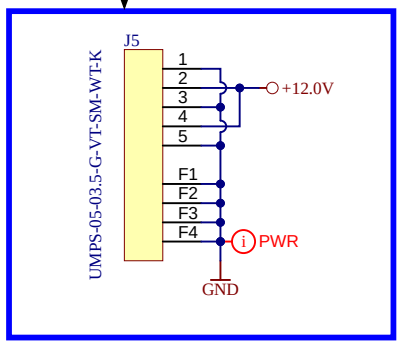
POWER_SUPERVISOR

5V_USB, 3.3V and 1.8V POWER SUPPLIES

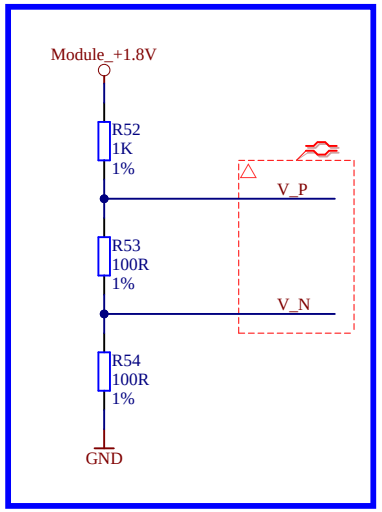
5V_USB, 3.3V and 1.8V POWER SUPPLIES (Alternative B)



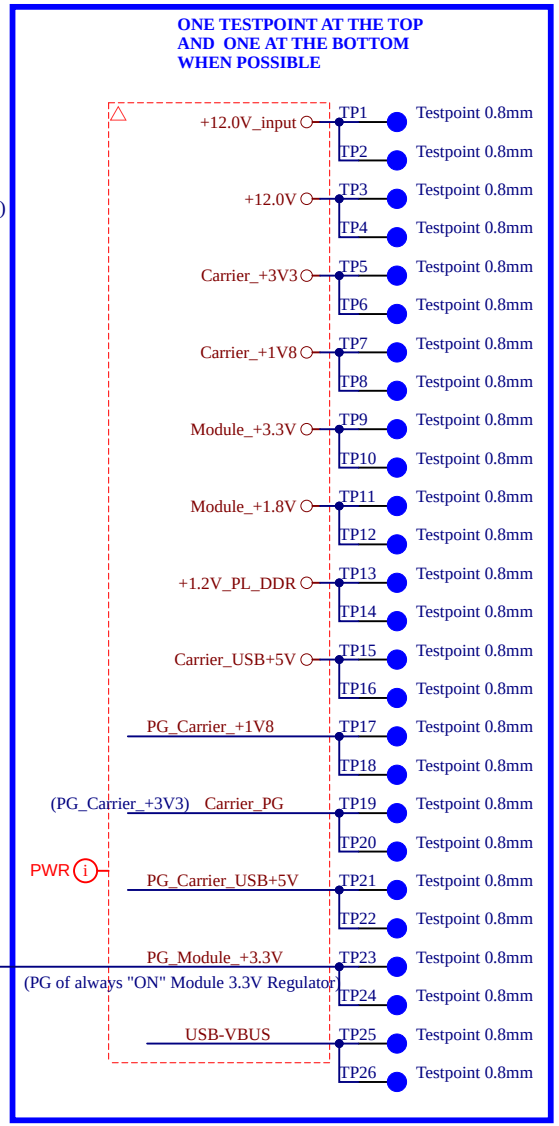
OPTIONAL MAIN
POWER-IN CONNECTOR



B2B POWER CONNECTOR



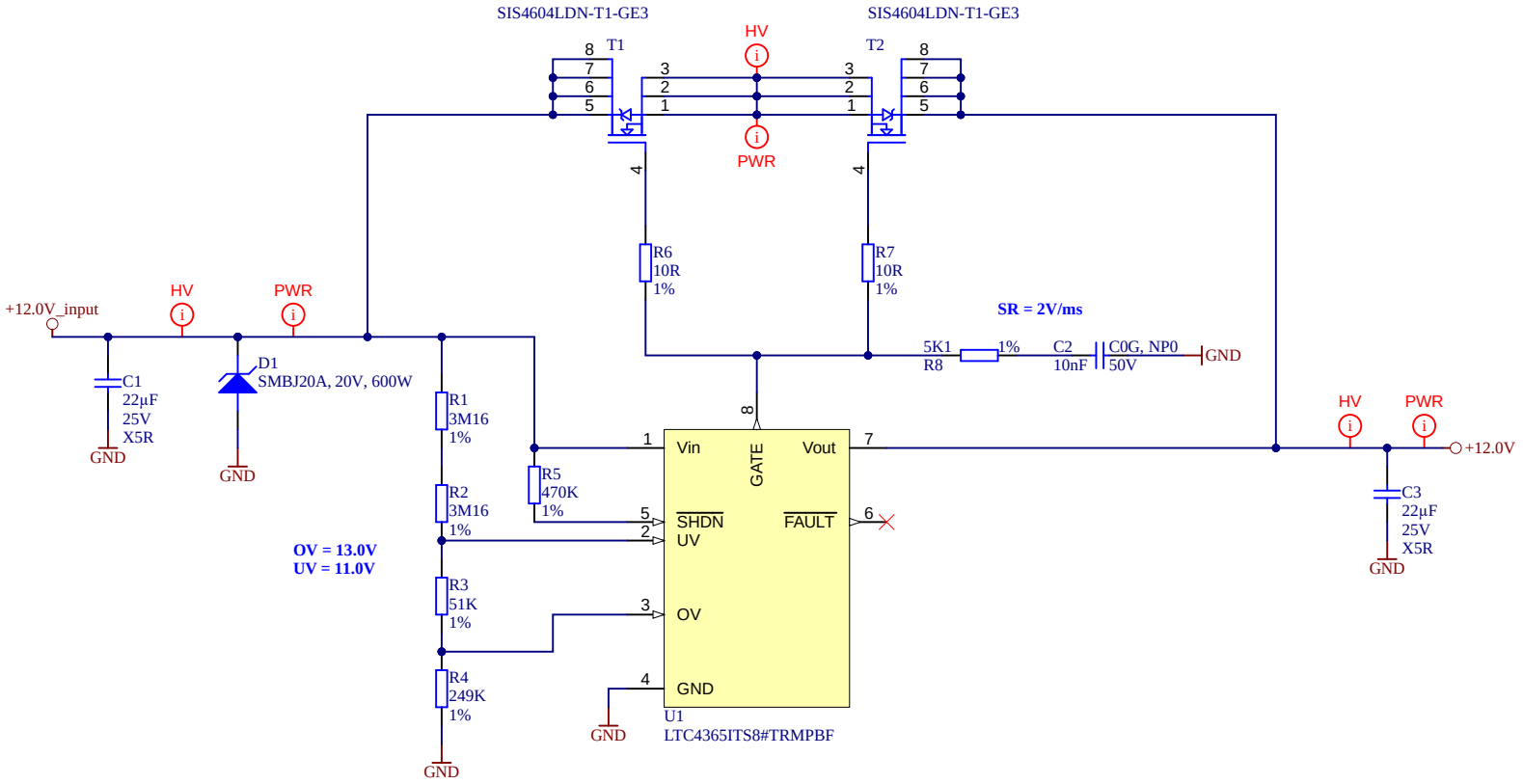
FPGA ADC 1.8V Module Monitoring



TESTPOINTS

trenz electronic

Title: TEBT0865 – POWER		
A4	Number: 23 A	Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH	Page 23 of 29
Filename: POWER.SchDoc		



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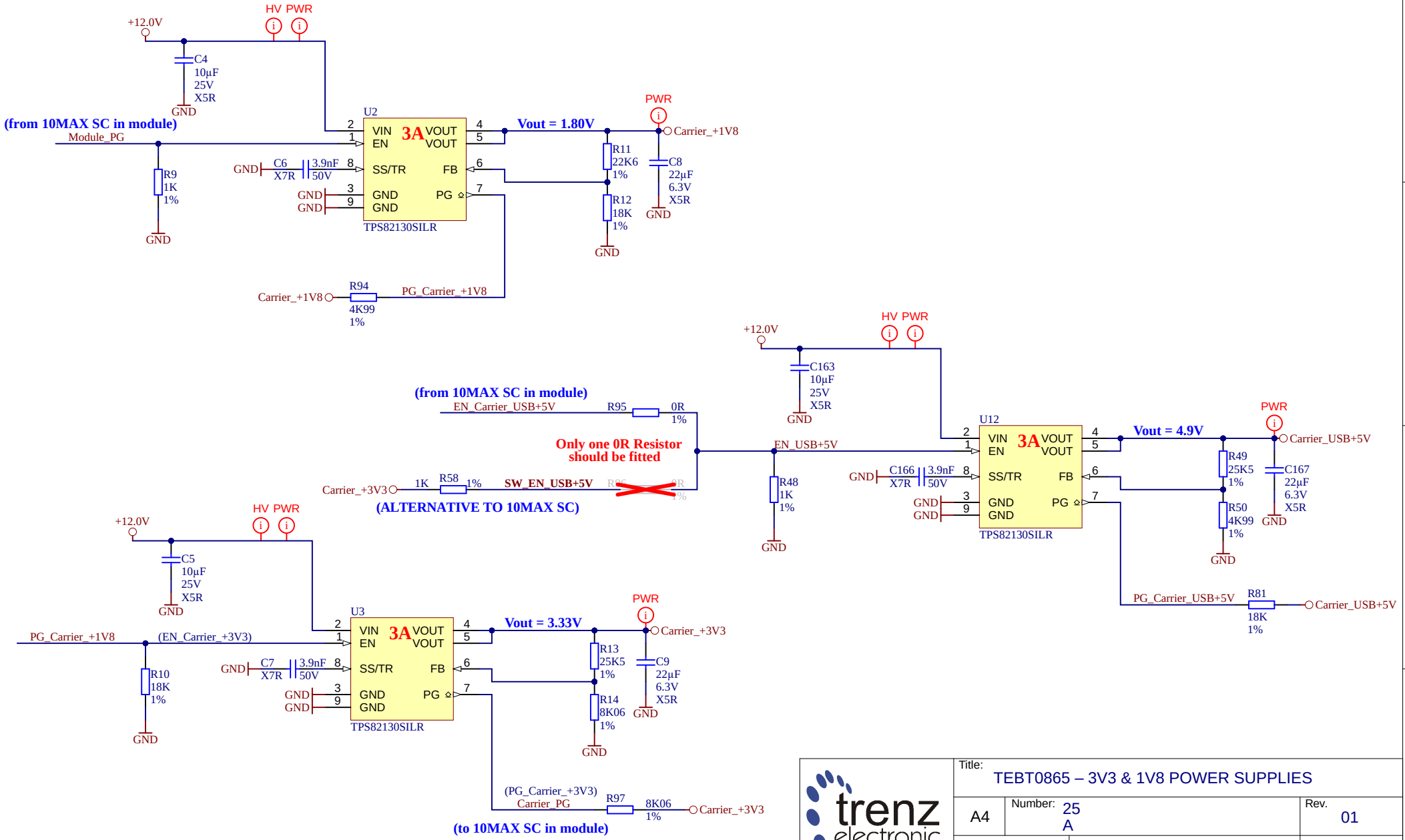
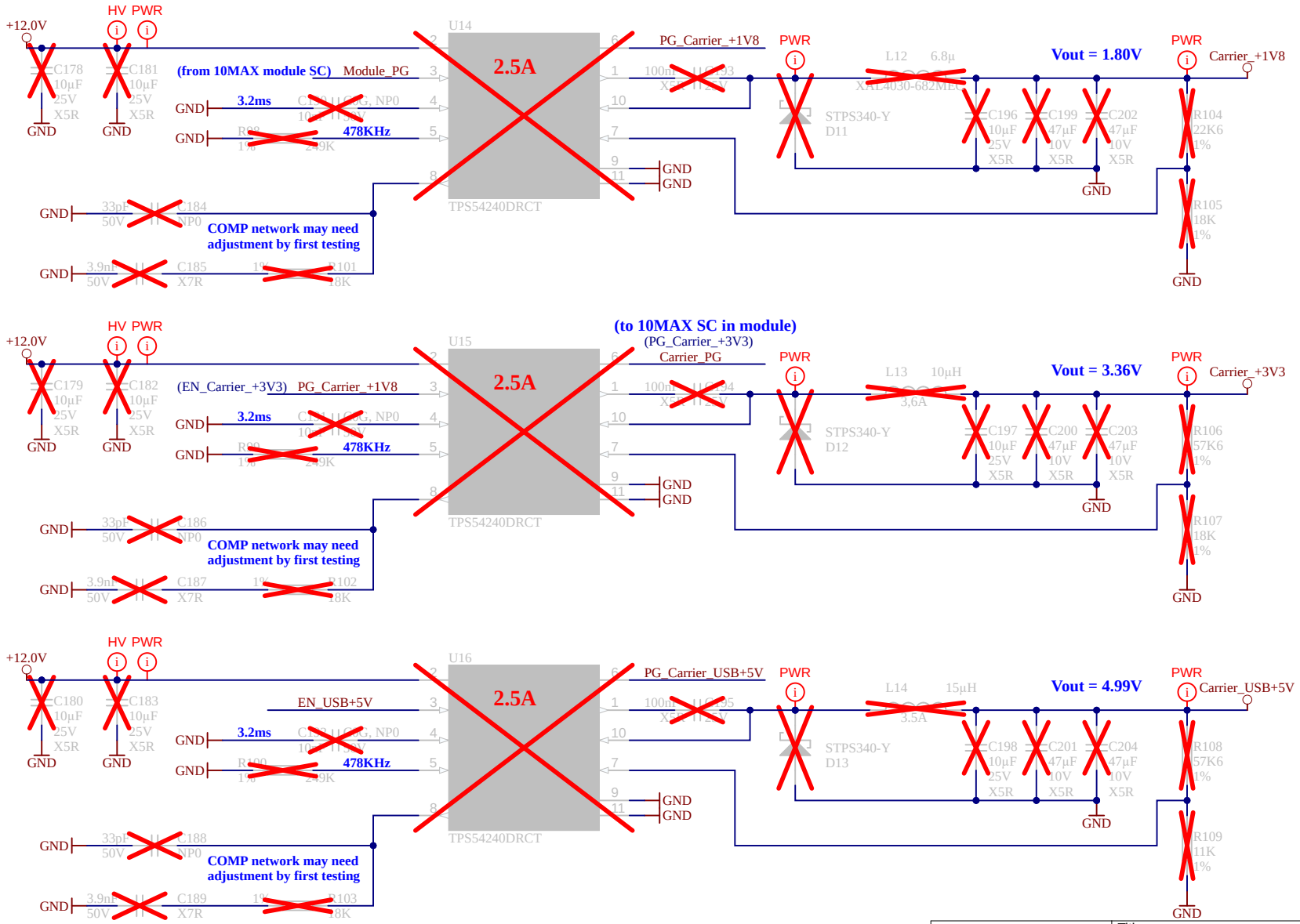
Title: TEBT0865 – POWER SUPERVISOR		
A4	Number: 24 A	Rev. 01
Date: 04.06.2024	Copyright: Trenz Electronic GmbH	Page 24 of 29
Filename: POWER_1.SchDoc		

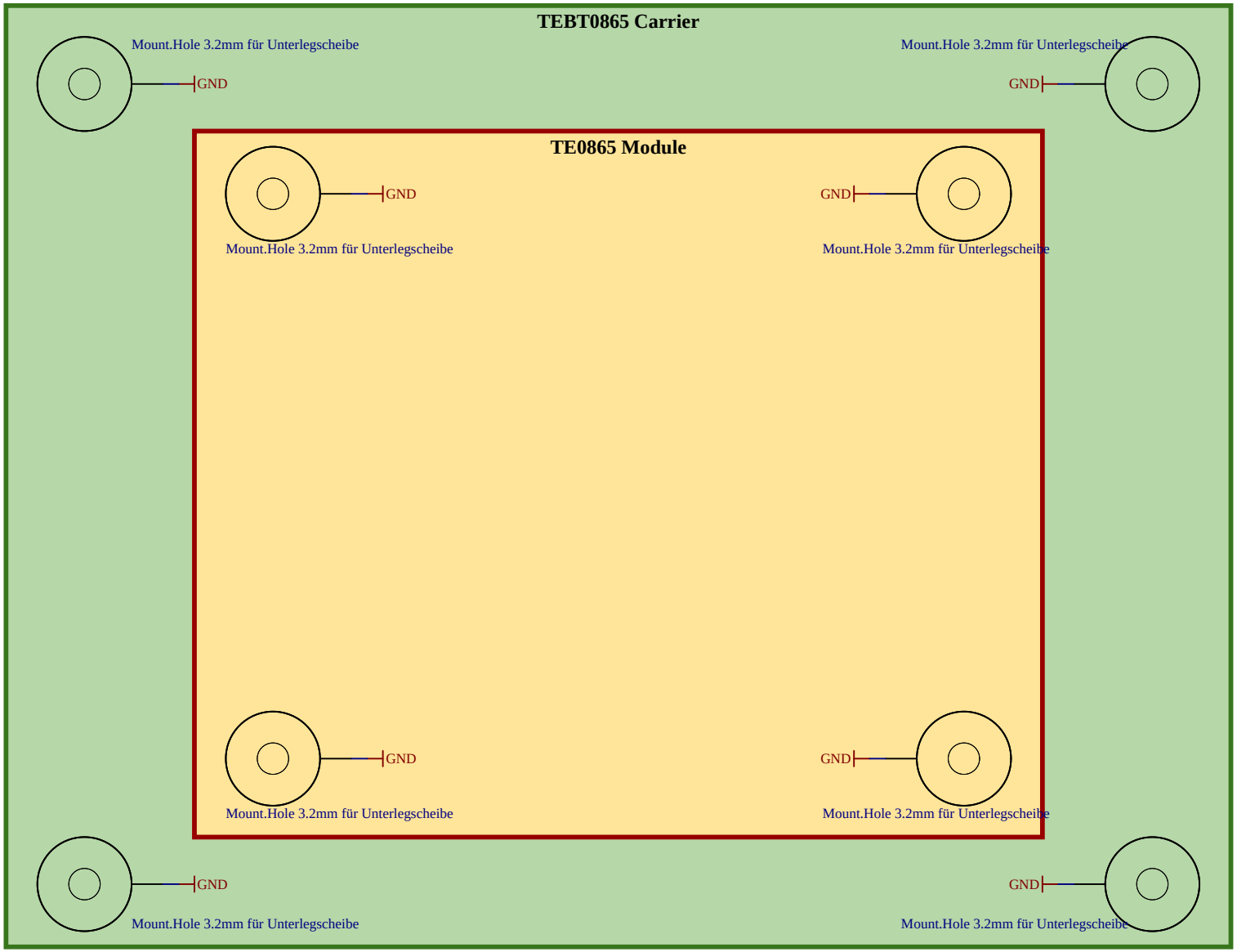


trenz electronic

Title: TEBT0865 – 3V3 & 1V8 POWER SUPPLIES			
A4	Number: 25 A		Rev. 01
Date: 28.10.2021	Copyright: Trenz Electronic GmbH		Page 25 of 29
Filename: POWER_2.SchDoc			



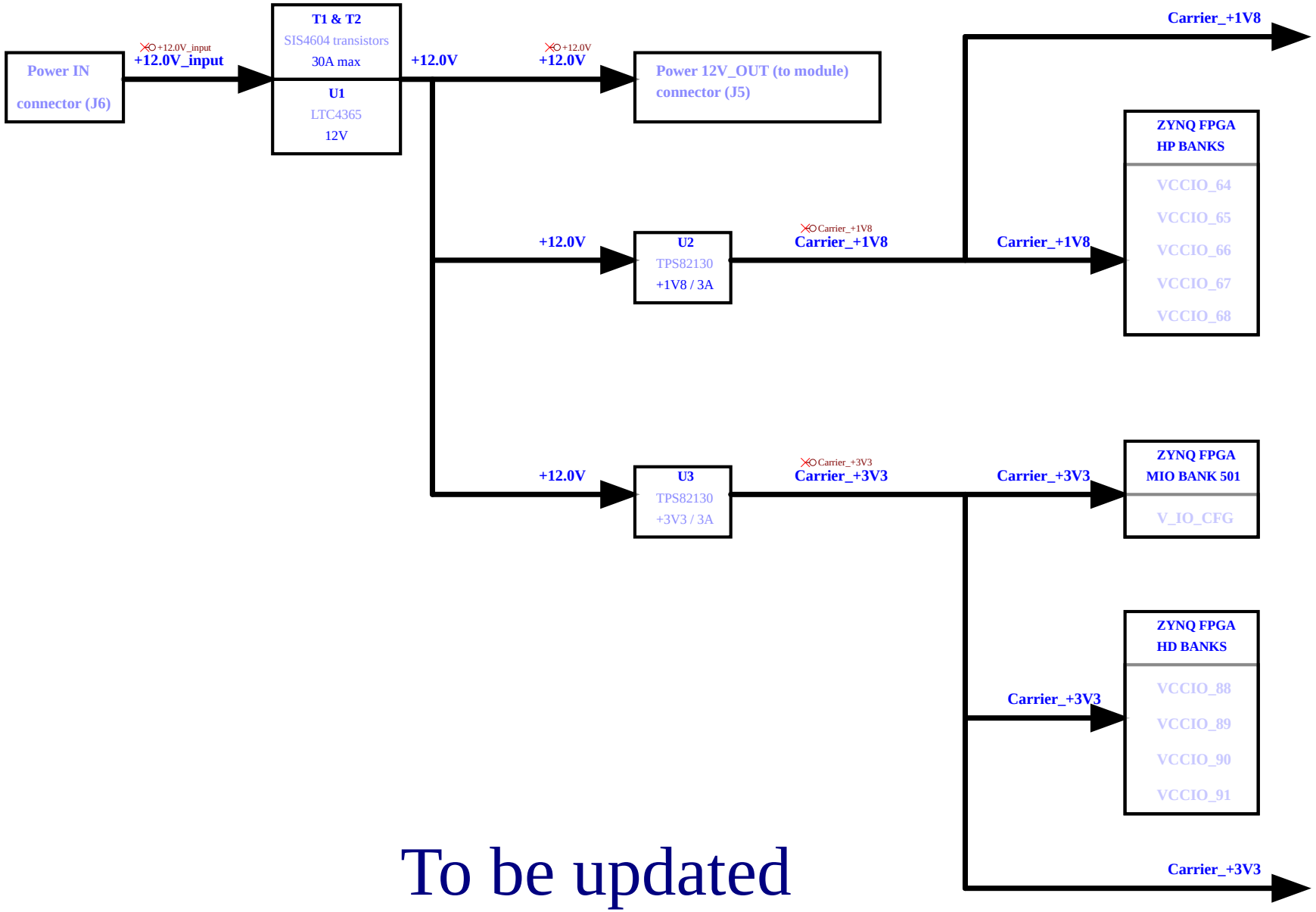
trenz electronic	Title: TEBT0865 – POWER SUPPLIES for Alternative Variant B		
A4	Number: 26 A		Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 26 of 29
Filename: POWER_3.SchDoc			



SNAP1

SNAP for TE0865 (100x75 mm)

	Title: TEBT0865 MECH		
A4	Number: 27 A		Rev. 01
Date: 02.08.2021	Copyright: Trenz Electronic GmbH		Page 27 of 29
Filename: MECH.schdoc			



To be updated

trenz electronic	Title: TEBT0865 – PowerOverview	
A4	Number: 28 A	Rev. 01
Date: 04.06.2024	Copyright: Trenz Electronic GmbH	Page28 of 29
Filename: PowerOverview.SchDoc		

REV	Description	
-01	Initial revision	GHC
-01a	Transistors T1 and T2 changed from SIS444DN-T1-GE3 to SIS4604LDN-T1-GE3. Resistor R47 changed from 18k to 1k Capacitor C172 changed from 100nF 25V to 10µF 10V	MT, VY 04.06.24

trenz electronic

Title: TEBT0865 – Revision_Changes		
A4	Number: 29 A	Rev. 01
Date: 17.06.2024	Copyright: Trenz Electronic GmbH	Page 29 of 29
Filename: Revision_Changes.SchDoc		