U_A-Headers
A-Headers.SchDoc

U_SENSOR_Flash_RAM
SENSOR_Flash_RAM.SchDoc

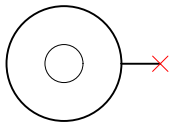
U_PowerSupply
PowerSupply.SchDoc

U_FTDI
FTDI.SchDoc

U_Soc_1
Soc_1.SchDoc

U_Soc_2
Soc_2.SchDoc

U_Soc_3
Soc_3.SchDoc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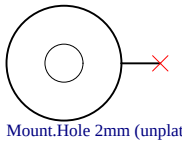
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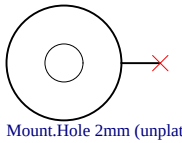
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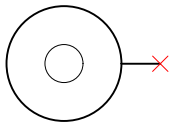
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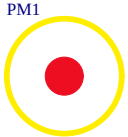
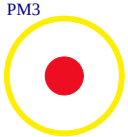

FIDU-DOT - mini

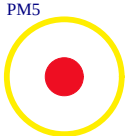
PM2

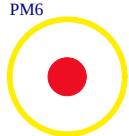
FIDU-DOT - mini

PM3

FIDU-DOT - mini

PM4

FIDU-DOT - mini

PM5

FIDU-DOT - mini

PM6

FIDU-DOT - mini

LOGO1

TE Logo PRINT Layer

LOGO PRINT

Serial

Serial

Serialnumber 6,3 x 6.3mm

trenz electronic

Title: TEM0001			
A4	Number: TEM0001 010C		Rev. 01
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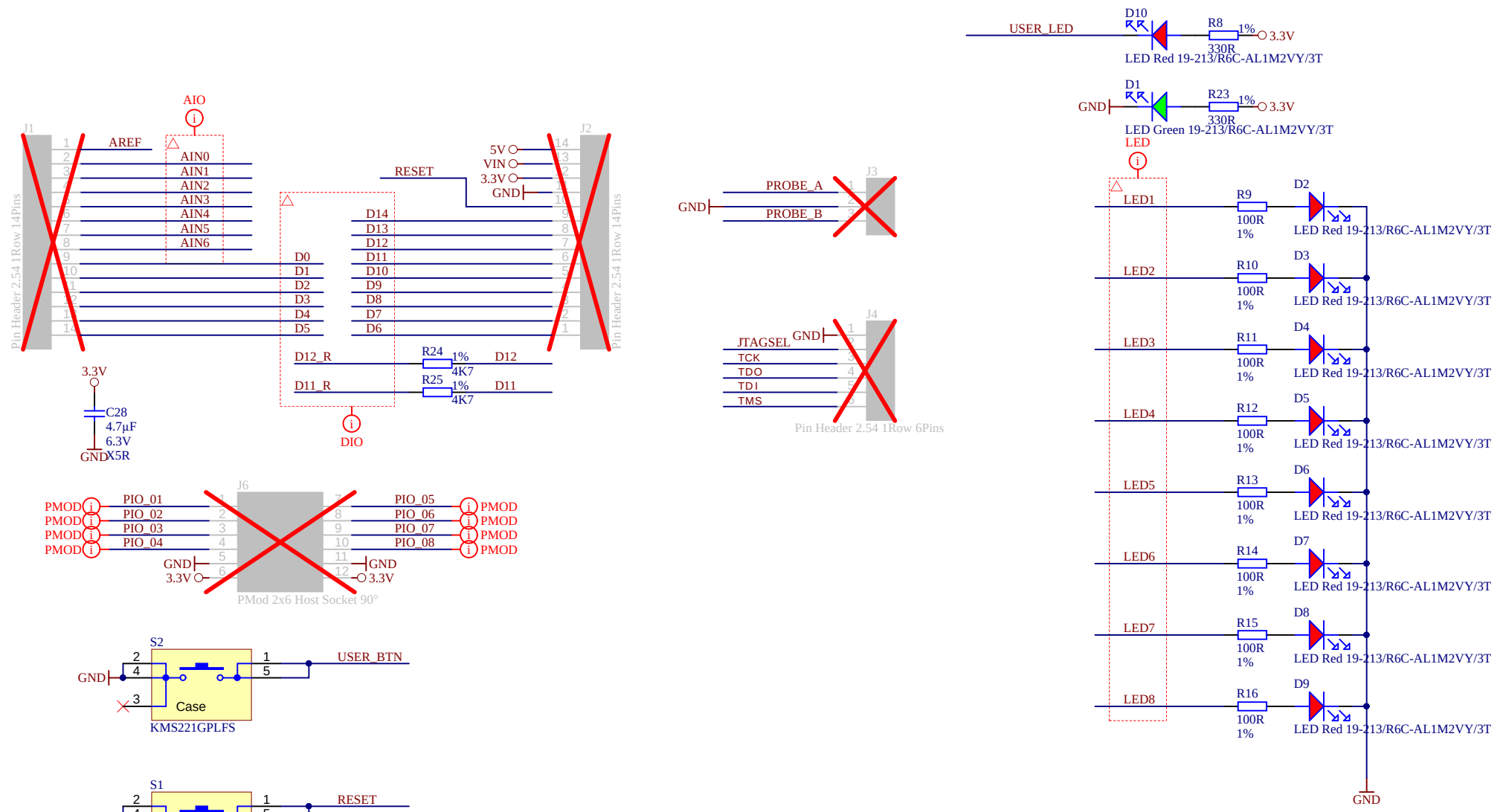
Filename: TEM0001.SchDoc			



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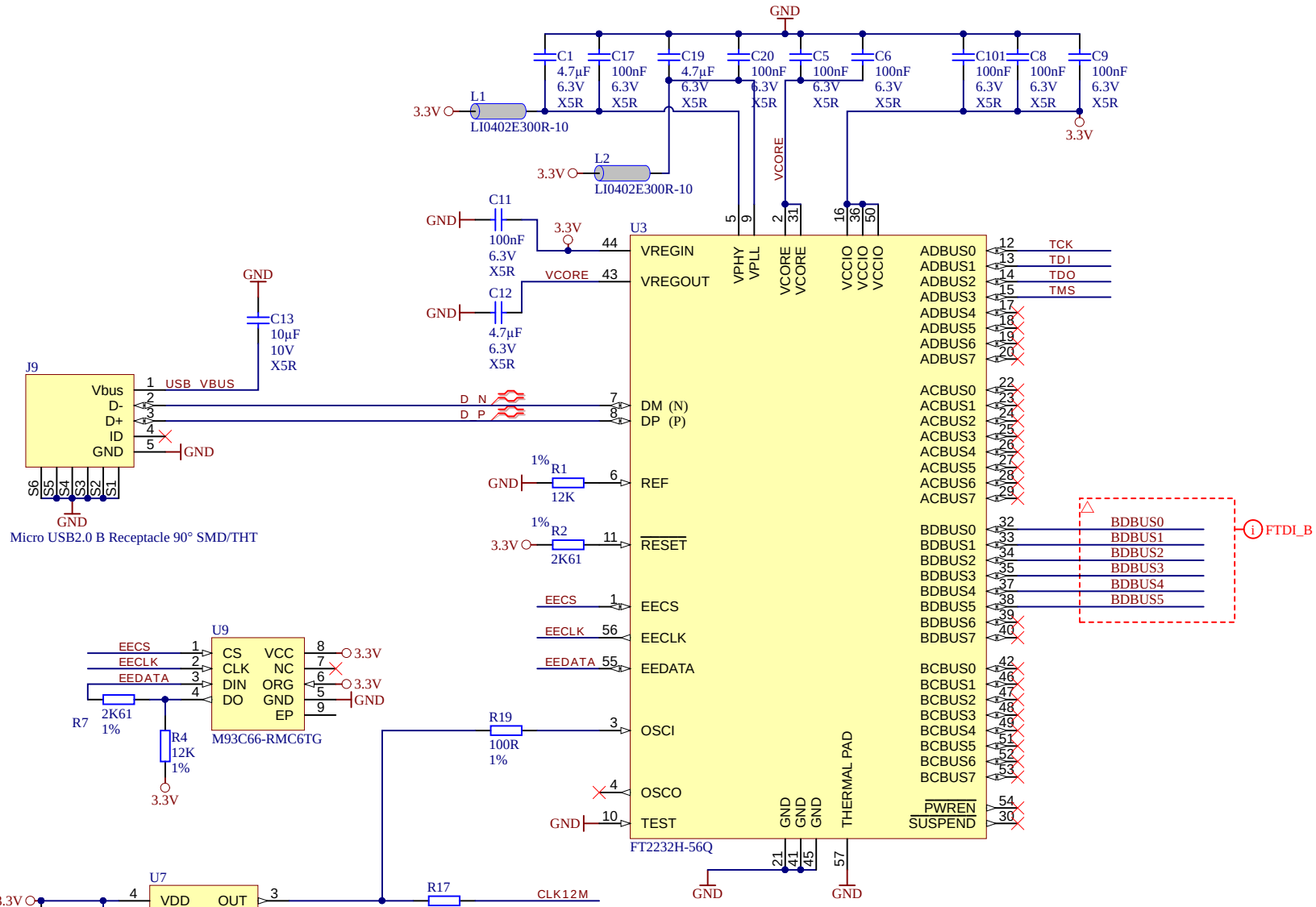
A4	Number: TEM0001 010C		Rev. 01
Date: 2017-09-04	Copyright: Trenz Electronic GmbH		Page2 of 8
Filename: A-Headers.SchDoc			



trenz electronic	Title: TEM0001		
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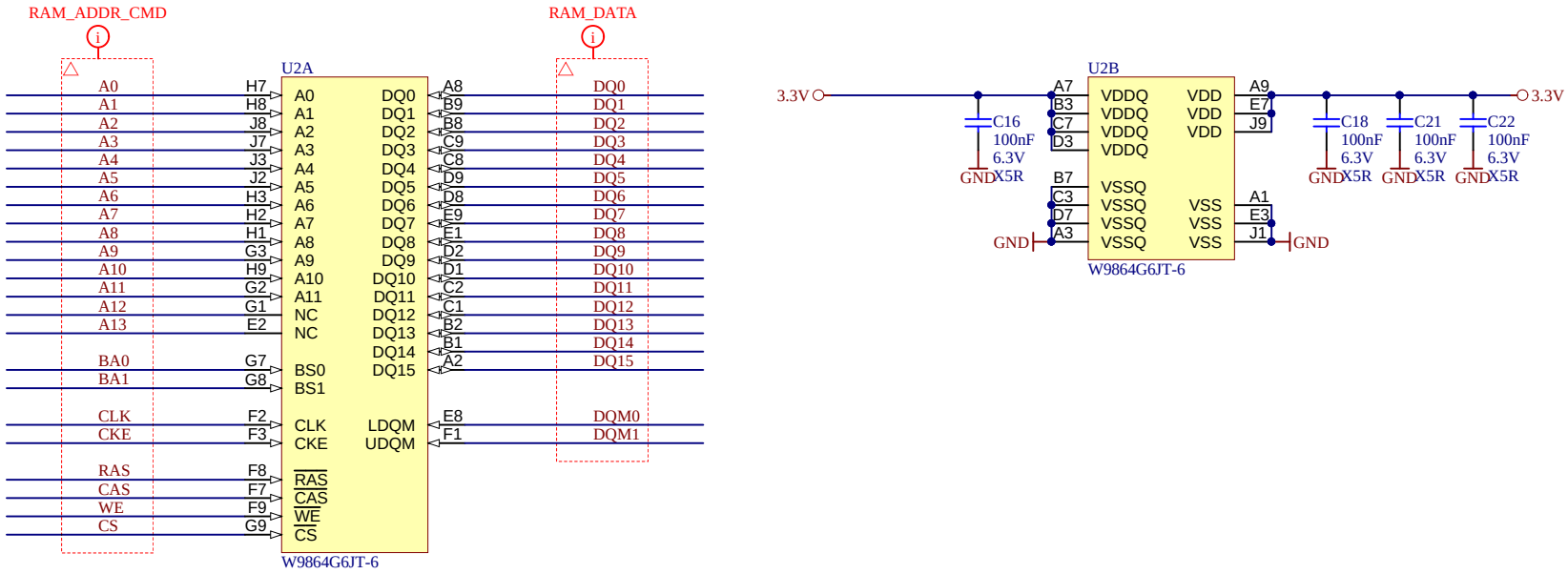
	Date: 2017-09-04	Copyright: Trenz Electronic GmbH	Page3 of 8
	Filename: FTDI.SchDoc		



Title: TEM0001			
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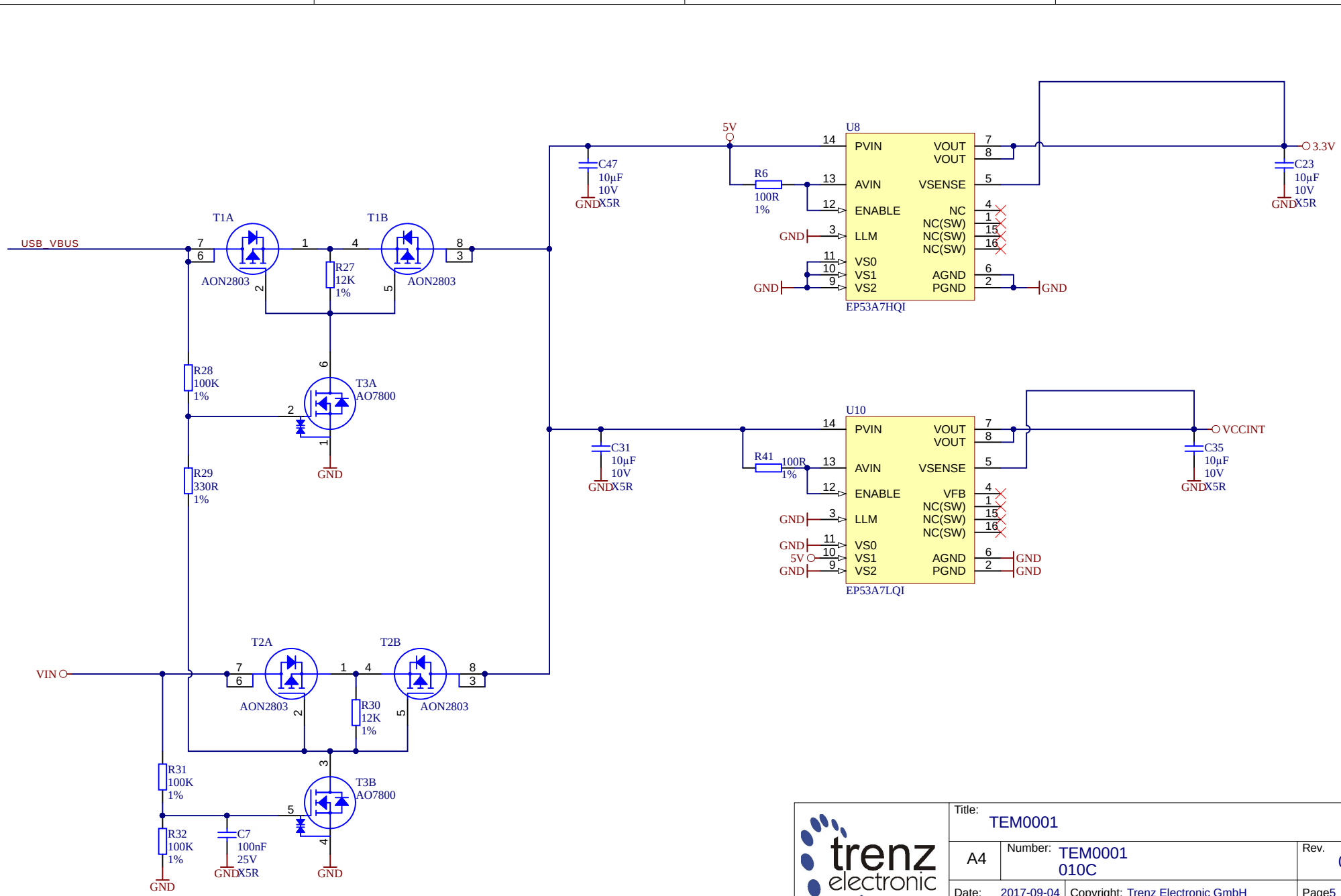
Date: 2017-09-04	Copyright: Trenz Electronic GmbH		Page4 of 8
Filename: SENSOR_Flash_RAM.SchDoc			



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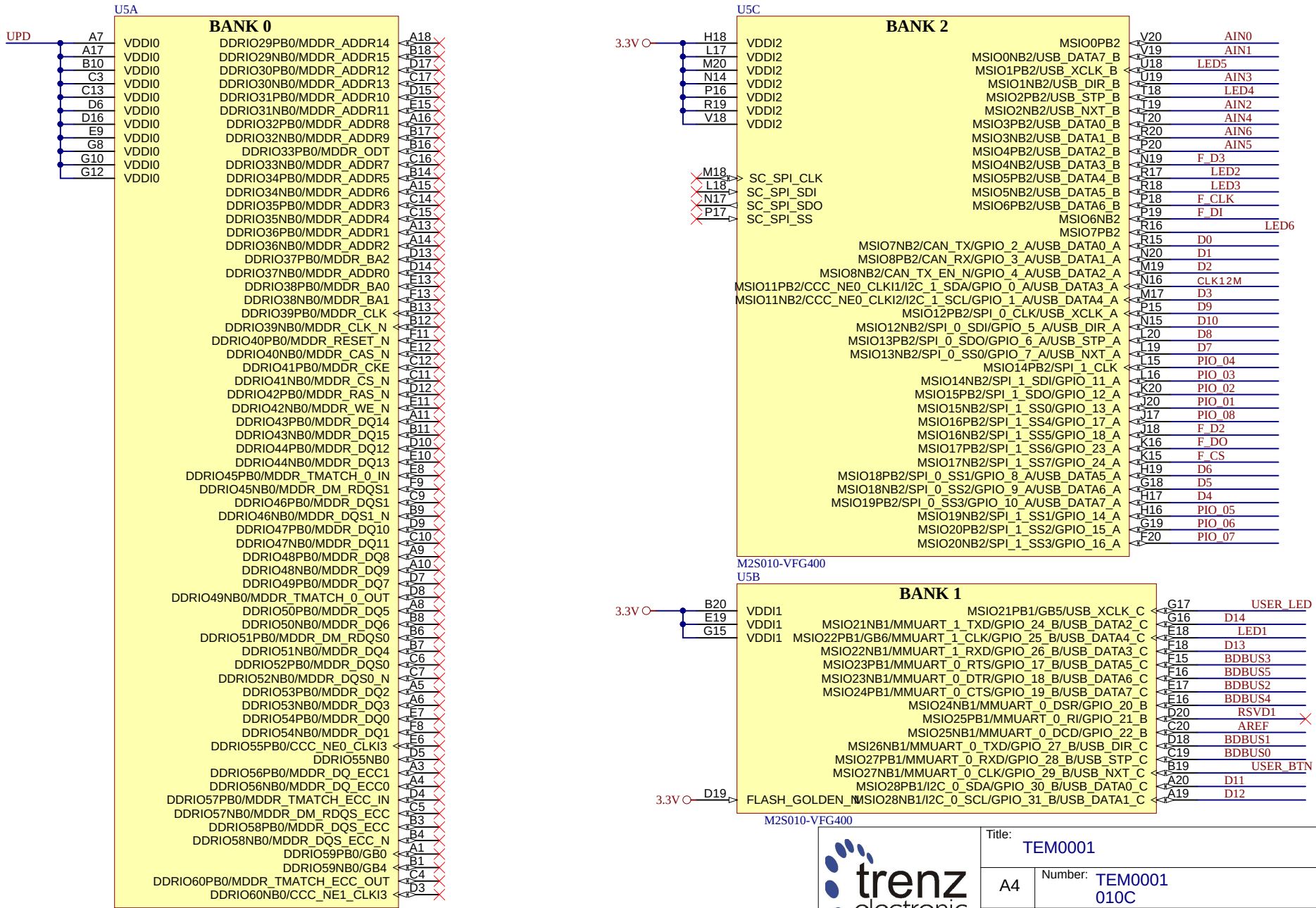
A4	Number: TEM0001 010C		Rev. 01
Date: 2017-09-04	Copyright: Trenz Electronic GmbH		Page5 of 8
Filename: PowerSupply.SchDoc			


U5A
BANK 0
UPD
A7
A17
B10
C3
C13
D6
D16
E9
G8
G10
G12
VDDI0
A18
B18
D17
C17
D15
E15
A16
B17
B16
C16
B14
A15
C14
C15
A13
A14
D13
D14
E13
F13
B13
B12
F11
E12
C12
C11
D12
E11
A11
B11
D10
E10
E8
F9
C9
B9
D9
C10
A9
A10
D7
D8
A8
B8
B6
B7
C6
C7
A5
A6
E7
F8
E6
D5
A3
A4
D4
C5
B3
B4
A1
B1
C4
D3
DDRIO29PB0/MDDR_ADDR14
DDRIO29NB0/MDDR_ADDR15
DDRIO30PB0/MDDR_ADDR12
DDRIO30NB0/MDDR_ADDR13
DDRIO31PB0/MDDR_ADDR10
DDRIO31NB0/MDDR_ADDR11
DDRIO32PB0/MDDR_ADDR8
DDRIO32NB0/MDDR_ADDR9
DDRIO33PB0/MDDR_ODT
DDRIO33NB0/MDDR_ADDR7
DDRIO34PB0/MDDR_ADDR5
DDRIO34NB0/MDDR_ADDR6
DDRIO35PB0/MDDR_ADDR3
DDRIO35NB0/MDDR_ADDR4
DDRIO36PB0/MDDR_ADDR1
DDRIO36NB0/MDDR_ADDR2
DDRIO37PB0/MDDR_BA2
DDRIO37NB0/MDDR_ADDR0
DDRIO38PB0/MDDR_BA0
DDRIO38NB0/MDDR_BA1
DDRIO39PB0/MDDR_CLK
DDRIO39NB0/MDDR_CLK_N
DDRIO40PB0/MDDR_RESET_N
DDRIO40NB0/MDDR_CAS_N
DDRIO41PB0/MDDR_CKE
DDRIO41NB0/MDDR_CS_N
DDRIO42PB0/MDDR_RAS_N
DDRIO42NB0/MDDR_WE_N
DDRIO43PB0/MDDR_DQ14
DDRIO43NB0/MDDR_DQ15
DDRIO44PB0/MDDR_DQ12
DDRIO44NB0/MDDR_DQ13
DDRIO45PB0/MDDR_TMATCH_0_IN
DDRIO45NB0/MDDR_DM_RDQS1
DDRIO46PB0/MDDR_DQS1
DDRIO46NB0/MDDR_DQS1_N
DDRIO47PB0/MDDR_DQ10
DDRIO47NB0/MDDR_DQ11
DDRIO48PB0/MDDR_DQ8
DDRIO48NB0/MDDR_DQ9
DDRIO49PB0/MDDR_DQ7
DDRIO49NB0/MDDR_TMATCH_0_OUT
DDRIO50PB0/MDDR_DQ5
DDRIO50NB0/MDDR_DQ6
DDRIO51PB0/MDDR_DM_RDQS0
DDRIO51NB0/MDDR_DQ4
DDRIO52PB0/MDDR_DQS0
DDRIO52NB0/MDDR_DQS0_N
DDRIO53PB0/MDDR_DQ2
DDRIO53NB0/MDDR_DQ3
DDRIO54PB0/MDDR_DQ0
DDRIO54NB0/MDDR_DQ1
DDRIO55PB0/CCC_NE0_CLKI3
DDRIO55NB0
DDRIO56PB0/MDDR_DQ_ECC1
DDRIO56NB0/MDDR_DQ_ECC0
DDRIO57PB0/MDDR_TMATCH_ECC_IN
DDRIO57NB0/MDDR_DM_RDQS_ECC
DDRIO58PB0/MDDR_DQS_ECC
DDRIO58NB0/MDDR_DQS_ECC_N
DDRIO59PB0/GB0
DDRIO59NB0/GB4
DDRIO60PB0/MDDR_TMATCH_ECC_OUT
DDRIO60NB0/CCC_NE1_CLKI3
M2S010-VFG400
U5C
BANK 2
3.3V
H18
L17
M20
N14
P16
R19
V18
VDDI2
M18
L18
N17
P17
SC_SPI_CLK
SC_SPI_SDI
SC_SPI_SDO
SC_SPI_SS
V20
V19
U18
U19
T18
T19
T20
R20
P20
N19
R17
R18
P18
P19
R16
R15
N20
M19
N16
M17
P15
N15
L20
L19
L15
L16
K20
J20
J17
J18
K16
K15
H19
G18
H17
H16
G19
F20
MSIO0PB2
MSIO0NB2/USB_DATA7_B
MSIO1PB2/USB_XCLK_B
MSIO1NB2/USB_DIR_B
MSIO2PB2/USB_STP_B
MSIO2NB2/USB_NXT_B
MSIO3PB2/USB_DATA0_B
MSIO3NB2/USB_DATA1_B
MSIO4PB2/USB_DATA2_B
MSIO4NB2/USB_DATA3_B
MSIO5PB2/USB_DATA4_B
MSIO5NB2/USB_DATA5_B
MSIO6PB2/USB_DATA6_B
MSIO6NB2
MSIO7PB2
MSIO7NB2/CAN_TX/GPIO_2_A/USB_DATA0_A
MSIO8PB2/CAN_RX/GPIO_3_A/USB_DATA1_A
MSIO8NB2/CAN_TX_EN_N/GPIO_4_A/USB_DATA2_A
MSIO11PB2/CCC_NE0_CLKI1/I2C_1_SDA/GPIO_0_A/USB_DATA3_A
MSIO11NB2/CCC_NE0_CLKI2/I2C_1_SCL/GPIO_1_A/USB_DATA4_A
MSIO12PB2/SPI_0_CLK/USB_XCLK_A
MSIO12NB2/SPI_0_SDI/GPIO_5_A/USB_DIR_A
MSIO13PB2/SPI_0_SDO/GPIO_6_A/USB_STP_A
MSIO13NB2/SPI_0_SS0/GPIO_7_A/USB_NXT_A
MSIO14PB2/SPI_1_CLK
MSIO14NB2/SPI_1_SDI/GPIO_11_A
MSIO15PB2/SPI_1_SDO/GPIO_12_A
MSIO15NB2/SPI_1_SS0/GPIO_13_A
MSIO16PB2/SPI_1_SS4/GPIO_17_A
MSIO16NB2/SPI_1_SS5/GPIO_18_A
MSIO17PB2/SPI_1_SS6/GPIO_23_A
MSIO17NB2/SPI_1_SS7/GPIO_24_A
MSIO18PB2/SPI_0_SS1/GPIO_8_A/USB_DATA5_A
MSIO18NB2/SPI_0_SS2/GPIO_9_A/USB_DATA6_A
MSIO19PB2/SPI_0_SS3/GPIO_10_A/USB_DATA7_A
MSIO19NB2/SPI_1_SS1/GPIO_14_A
MSIO20PB2/SPI_1_SS2/GPIO_15_A
MSIO20NB2/SPI_1_SS3/GPIO_16_A
AIN0
AIN1
LED5
AIN3
LED4
AIN2
AIN4
AIN6
AIN5
F_D3
LED2
LED3
F_CLK
F_DI
LED6
D0
D1
D2
CLK12M
D3
D9
D10
D8
D7
PIO_04
PIO_03
PIO_02
PIO_01
PIO_08
F_D2
F_DO
F_CS
D6
D5
D4
PIO_05
PIO_06
PIO_07
M2S010-VFG400
U5B
BANK 1
3.3V
B20
E19
G15
VDDI1
3.3V
D19
FLASH_GOLDEN_N
G17
G16
E18
F18
F15
F16
E17
E16
D20
C20
D18
C19
B19
A20
A19
MSIO21PB1/GB5/USB_XCLK_C
MSIO21NB1/MMUART_1_TXD/GPIO_24_B/USB_DATA2_C
MSIO22PB1/GB6/MMUART_1_CLK/GPIO_25_B/USB_DATA4_C
MSIO22NB1/MMUART_1_RXD/GPIO_26_B/USB_DATA3_C
MSIO23PB1/MMUART_0_RTS/GPIO_17_B/USB_DATA5_C
MSIO23NB1/MMUART_0_DTR/GPIO_18_B/USB_DATA6_C
MSIO24PB1/MMUART_0_CTS/GPIO_19_B/USB_DATA7_C
MSIO24NB1/MMUART_0_DSR/GPIO_20_B
MSIO25PB1/MMUART_0_RI/GPIO_21_B
MSIO25NB1/MMUART_0_DCD/GPIO_22_B
MSI26NB1/MMUART_0_TXD/GPIO_27_B/USB_DIR_C
MSIO27PB1/MMUART_0_RXD/GPIO_28_B/USB_STP_C
MSIO27NB1/MMUART_0_CLK/GPIO_29_B/USB_NXT_C
MSIO28PB1/I2C_0_SDA/GPIO_30_B/USB_DATA0_C
MSIO28NB1/I2C_0_SCL/GPIO_31_B/USB_DATA1_C
USER_LED
D14
LED1
D13
BDBUS3
BDBUS5
BDBUS2
BDBUS4
RSVD1
AREF
BDBUS1
BDBUS0
USER_BTN
D11
D12
M2S010-VFG400
trenz electronic
Title: TEM0001
A4
Number: TEM0001 010C
Rev. 01
Date: 2016-08-29
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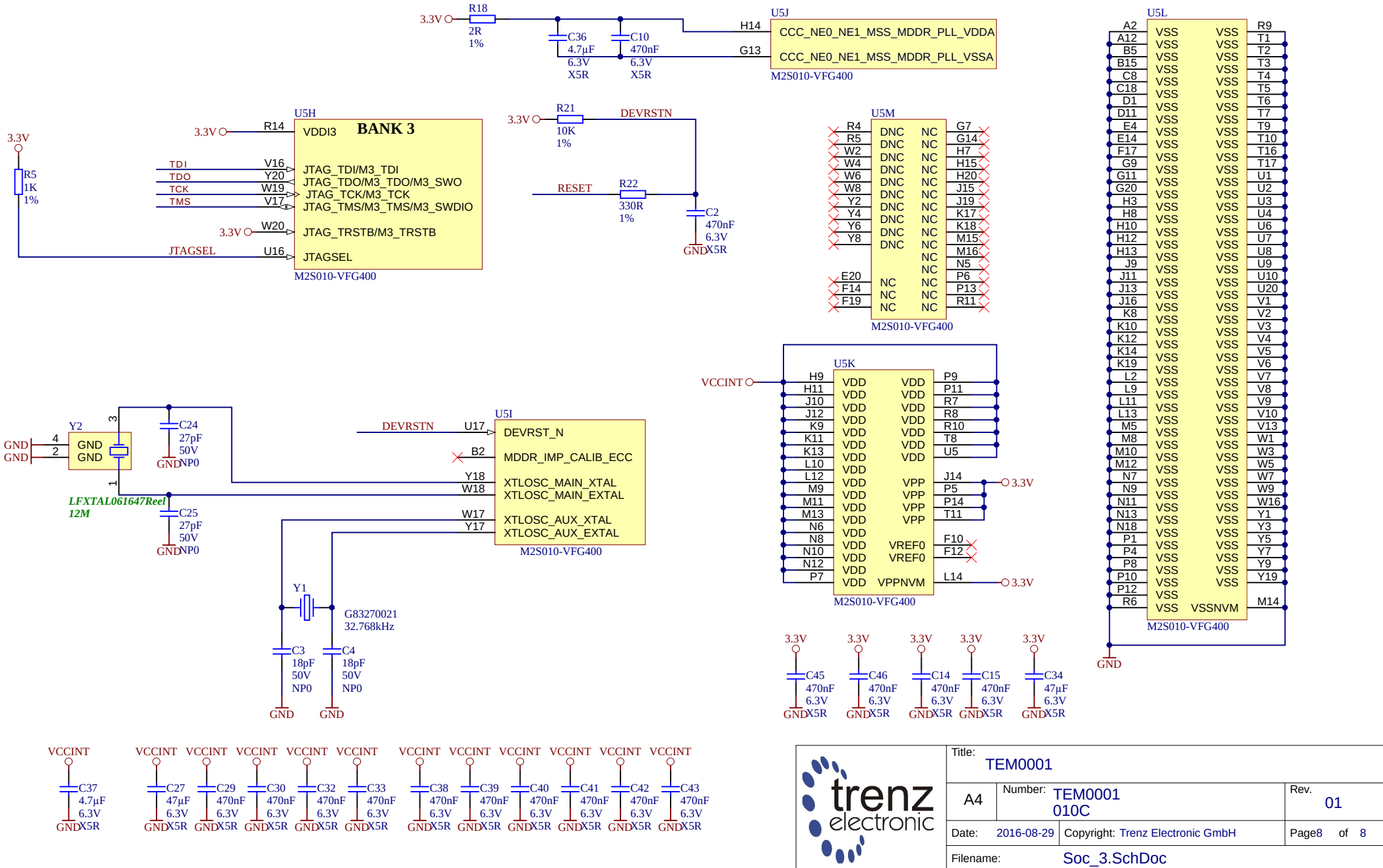
Title: TEM0001			
A4	Number: TEM0001 010C		Rev. 01
Date: 2016-08-29	Copyright: Trenz Electronic GmbH		Page7 of 8
Filename: Soc_2.SchDoc			



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Date: 2016-08-29	Copyright: Trenz Electronic GmbH		Page8 of 8
Filename: Soc_3.SchDoc			