

PortI[0..9]
PortF[6..11]

Datenbus-Grafik

U_Mc_Mcu_Sheet2
Mc_Mcu_Sheet2.SchDoc

U_Mc_Mcu_Sheet4
Mc_Mcu_Sheet4.SchDoc

NBL0
NBL1
FSMC_NADV
FSMC_NE1
FSMC_NE2
FSMC_NE3
FSMC_NE4
FSMC_CLK
FSMC_OE
FSMC_WE
FSMC_WAIT

D[0..15]
A[0..18]
NBL0
NBL1
FSMC_NADV
FSMC_NE1
FSMC_NE2
FSMC_NE3
FSMC_NE4
FSMC_CLK
FSMC_OE
FSMC_WE
FSMC_WAIT
USART3_TX
USART3_RX
SCK
MOSI
MISO
SCL
SDA
TIM5_CH1_QA
TIM5_CH2_QB
TIM8_CH2_PWM
TIM8_CH3_PWM

Debug-USART
SPI-BUS
I2C-BUS
Encoder-Incremental
PWM-Motor

USART3_TX
USART3_RX
SCK
MOSI
MISO
SCL
SDA
TIM5_CH1_QA
TIM5_CH2_QB
TIM8_CH2_PWM
TIM8_CH3_PWM

D[0..15]
A[0..18]
NBL0
NBL1
FSMC_NADV
FSMC_NE1
FSMC_NE2
FSMC_NE3
FSMC_NE4
FSMC_CLK
FSMC_OE
FSMC_WE
FSMC_WAIT

PortF6
PortF7
PortF8
PortF9
PortF10
PortF11

PortG7
PortG8

PortI0
PortI1
PortI2
PortI3
PortI4
PortI5
PortI6
PortI7
PortI8
PortI9

Freie Ports

PortF6
PortF7
PortF8
PortF9
PortF10
PortF11

PortG7
PortG8

PF6
PF7
PF8
PF9
PF10
PF11

SD-CARD

SDIO_CK
SDIO_D0
SDIO_D1
SDIO_D2
SDIO_D3
SDIO_D6
SDIO_D7

USB-Buchse

OTG_VBUS
OTG_FS_ID
OTG_FS_DM
OTG_FS_DP
OTG_FS_OverCurrent
OTG_FS_PowerSwitchOn

nRST

PD2
PC0
PC13

PH8
PH9
PH12
PH13

PI11

PA0
PA3
PA4
PA5
PA6
PA8

PB2
PB5
PB6
PB9
PB12

MII_TXD0
MII_TXD1
MII_TXD2
MII_TXD3
MII_TXD_CLK
MII_TX_EN

MII_RXD0
MII_RXD1
MII_RXD2
MII_RXD3
MII_RX_CLK
MII_RX_DV
MII_RX_ER
MII_CRS
MII_COL
MII_MDIO
MII_MDC
MII_RST
MII_INT

U_Mc_Mcu_Sheet3
Mc_Mcu_Sheet3.SchDoc

MII_TXD0
MII_TXD1
MII_TXD2
MII_TXD3
MII_TX_CLK
MII_TX_EN

MII_RXD0
MII_RXD1
MII_RXD2
MII_RXD3
MII_RX_CLK
MII_RX_DV
MII_RX_ER
MII_CRS
MII_COL
MII_MDIO
MII_MDC
MII_RST
MII_INT

ETHERNET_LED1
ETHERNET_LED0

ETHERNET_RX-
ETHERNET_RX+
ETHERNET_TX-
ETHERNET_TX+

TX+
TX-
RX+
RX-

LED0
LED1

Ethernet-Buchse

Title **STM32F417 Testboard**

Size: A3

Description: Übersicht

Date: 13.02.2019

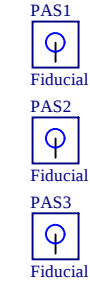
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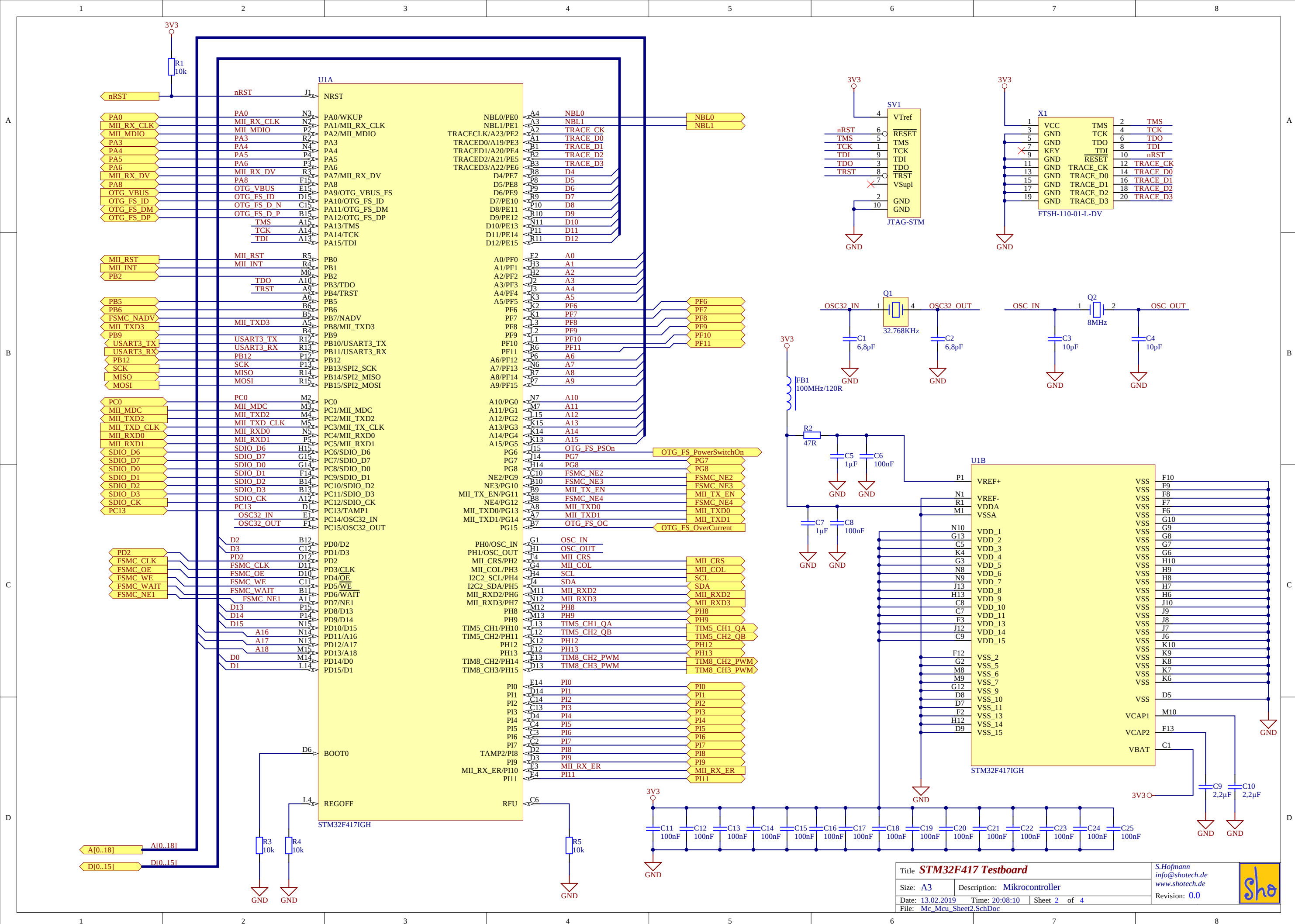
Sheet 1 of 4

File: Mc_Mcu_Sheet1.SchDoc

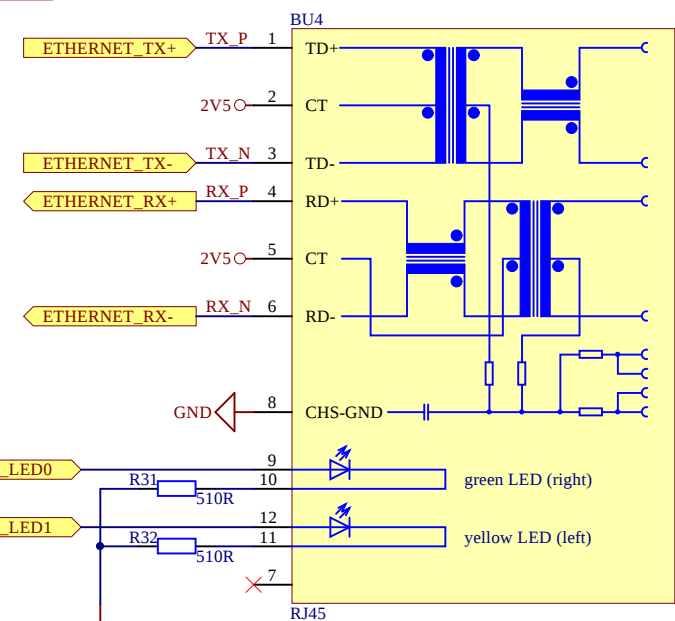
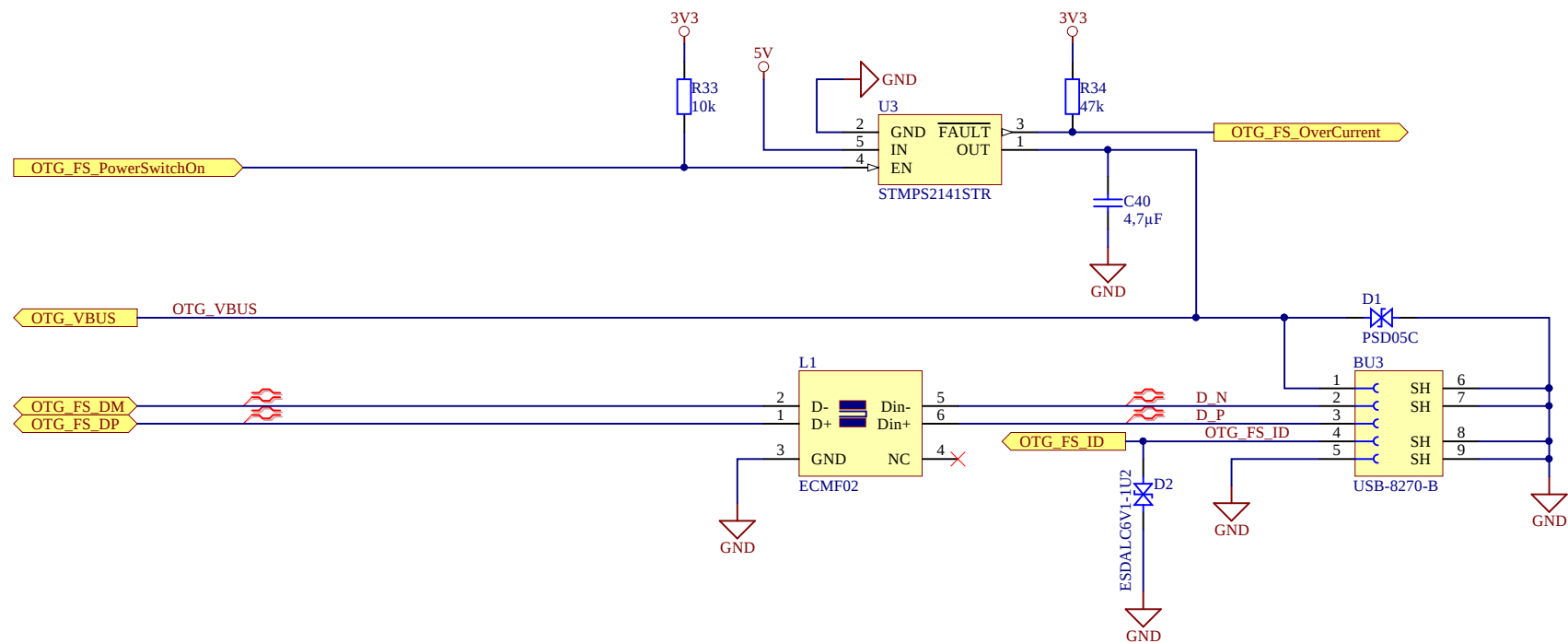
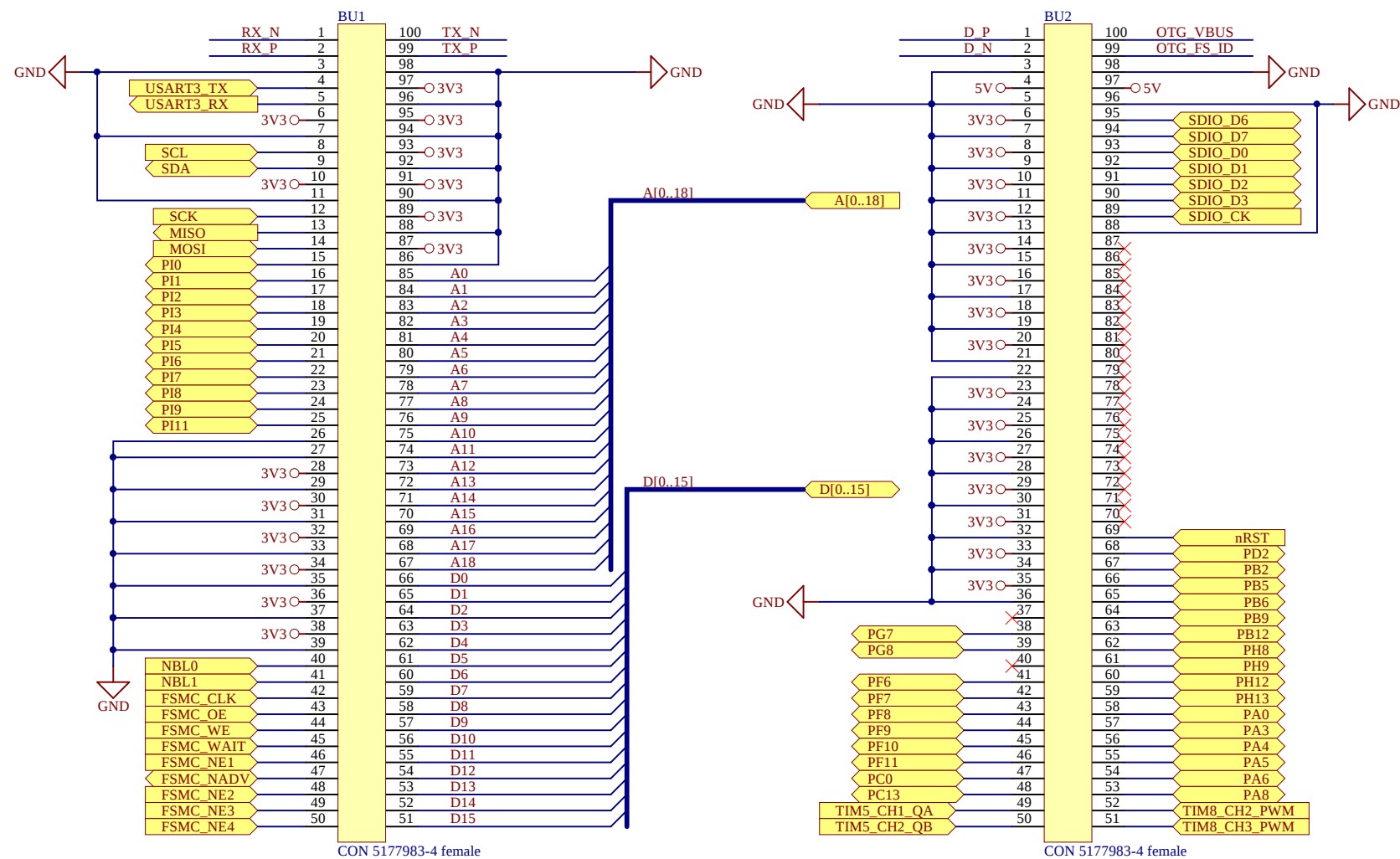
S.Hofmann
info@shotech.de
www.shotech.de

Revision: 0.0





2,5V vom Ethernet-MAC zur Buchse



Spezifikation:

Basismaterial: FR4 TG150 35um Cu , 1mm stark

Lagenanzahl: 6 Multilayer

Oberflaeche : chemisch Nickel/Gold

Bestueckungsdruck: Top und Bottom

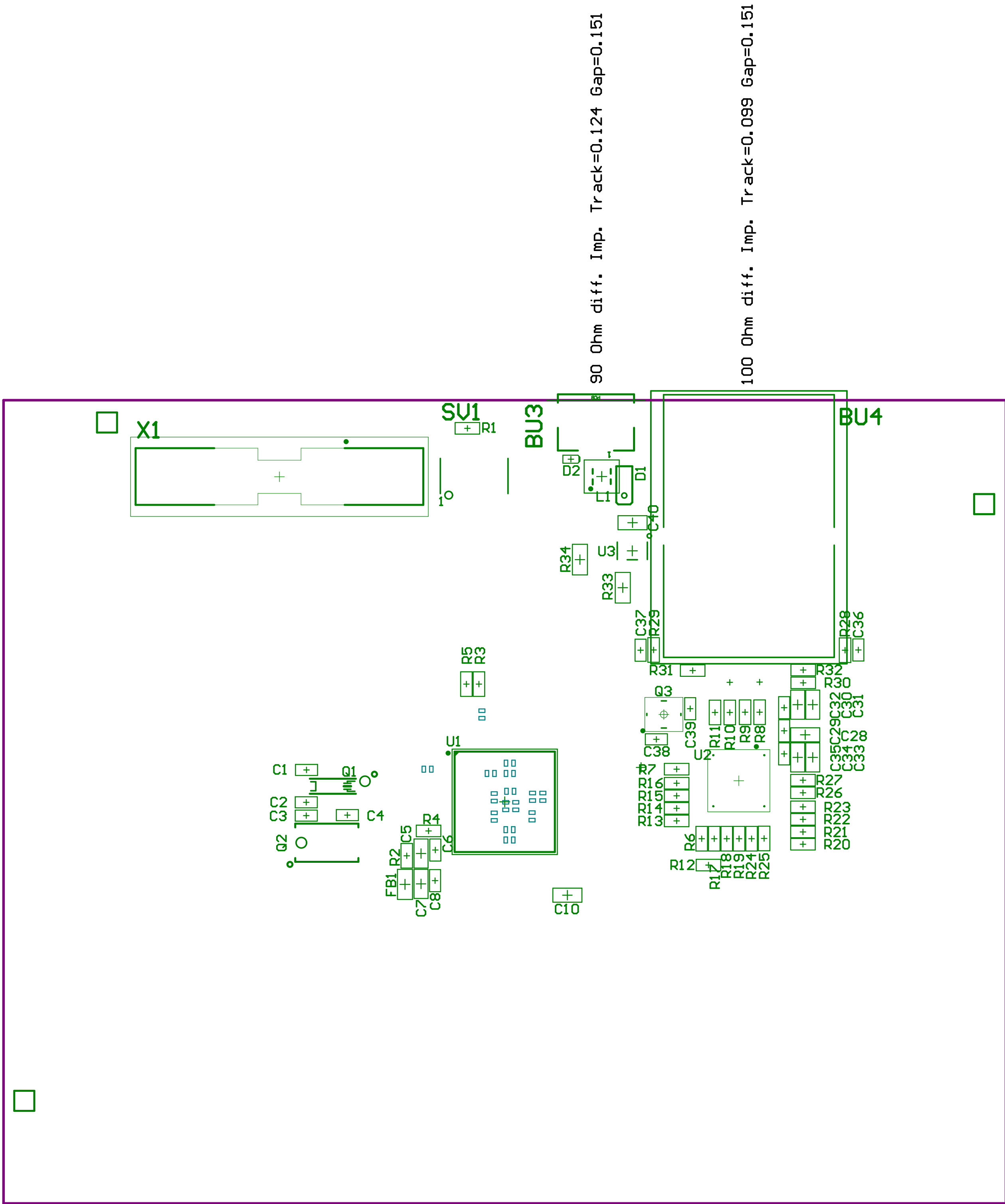
Loetstoplack: beidseitig

Qualitaet: nach IPC A600-G Class 2 (Middle)

UL Logo: ja

RoHS conform: ja

Elektrischer Test: gegen Gerberdaten





C26  C27 

C9 

C25 

C21 C22 C11 C20 C24 C12 C13
C18 C19 C14 C15 C16 C23



BU1



BU2