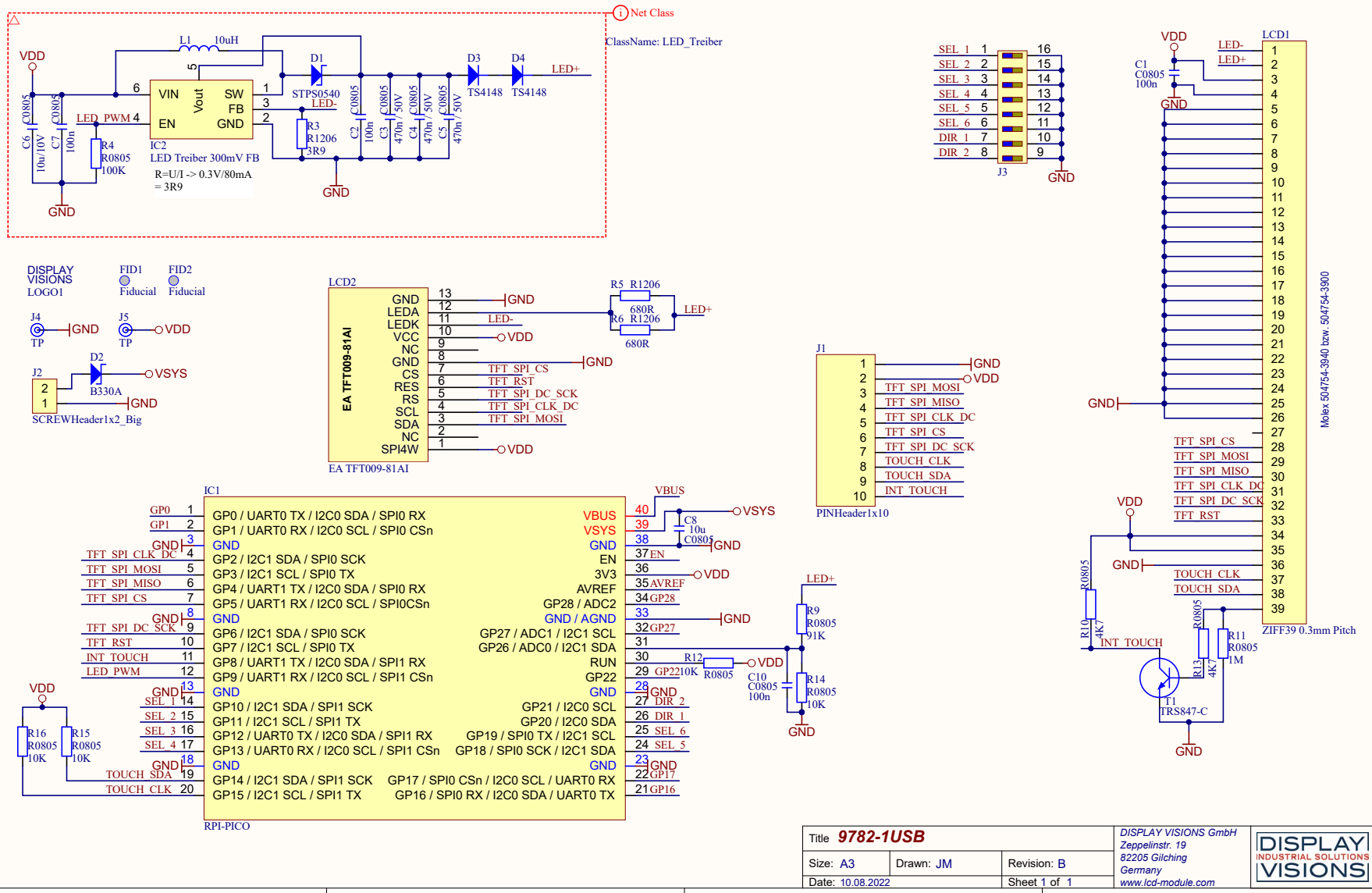
Net Class
ClassName: LED_Treiber
VDD
L1 10uH
VIN
Vout
SW
FB
EN
GND
LED_PWM
IC2
LED Treiber 300mV FB
R=U/I -> 0.3V/80mA
= 3R9
D1
STPS0540
D3
TS4148
D4
TS4148
LED+
LED-
R3 R1206 3R9
R4 R0805 100K
C6 C0805 10u/10V
C7 C0805 100n
C2 C0805 100n
C3 C0805 470n/50V
C4 C0805 470n/50V
C5 C0805 470n/50V
J3
SEL_1
SEL_2
SEL_3
SEL_4
SEL_5
SEL_6
DIR_1
DIR_2
LCD1
C1 C0805 100n
Molex 504754-3940 bzw. 504754-3900
ZIFF39 0.3mm Pitch
DISPLAY VISIONS
LOGO1
FID1
Fiducial
FID2
Fiducial
J4
J5
TP
J2
SCREWHeader1x2_Big
D2
B330A
VSYS
LCD2
EA TFT009-81AI
GND
LEDA
LEDK
VCC
NC
CS
RES
RS
SCL
SDA
SPI4W
TFT_SPI_CS
TFT_RST
TFT_SPI_DC_SCK
TFT_SPI_CLK_DC
TFT_SPI_MOSI
R5_R1206 680R
R6_R1206 680R
J1
PINHeader1x10
TOUCH_CLK
TOUCH_SDA
INT_TOUCH
IC1
RPI-PICO
GP0 / UART0 TX / I2C0 SDA / SPI0 RX
GP1 / UART0 RX / I2C0 SCL / SPI0 CSn
GP2 / I2C1 SDA / SPI0 SCK
GP3 / I2C1 SCL / SPI0 TX
GP4 / UART1 TX / I2C0 SDA / SPI0 RX
GP5 / UART1 RX / I2C0 SCL / SPI0CSn
GP6 / I2C1 SDA / SPI0 SCK
GP7 / I2C1 SCL / SPI0 TX
GP8 / UART1 TX / I2C0 SDA / SPI1 RX
GP9 / UART1 RX / I2C0 SCL / SPI1 CSn
GP10 / I2C1 SCK / SPI1 SCK
GP11 / I2C1 SCL / SPI1 TX
GP12 / UART0 TX / I2C0 SDA / SPI1 RX
GP13 / UART0 RX / I2C0 SCL / SPI1 CSn
GP14 / I2C1 SDA / SPI1 SCK
GP15 / I2C1 SCL / SPI1 TX
VBUS
VSYS
EN
3V3
AVREF
GP28 / ADC2
GP27 / ADC1 / I2C1 SCL
GP26 / ADC0 / I2C1 SDA
RUN
GP22
GP21 / I2C0 SCL
GP20 / I2C0 SDA
GP19 / SPI0 TX / I2C1 SCL
GP18 / SPI0 SCK / I2C1 SDA
GP17 / SPI0 CSn / I2C0 SCL / UART0 RX
GP16 / SPI0 RX / I2C0 SDA / UART0 TX
C8 10u C0805
C10 C0805 100n
R9 R0805 91K
R14 R0805 10K
R12 R0805 GP2210K
R15 R0805 10K
R16 R0805 10K
R10 R0805 4K7
R13 R0805 4K7
R11 R0805 1M
T1 TRS847-C
Title 9782-1USB
Size: A3
Drawn: JM
Revision: B
Date: 10.08.2022
Sheet 1 of 1
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