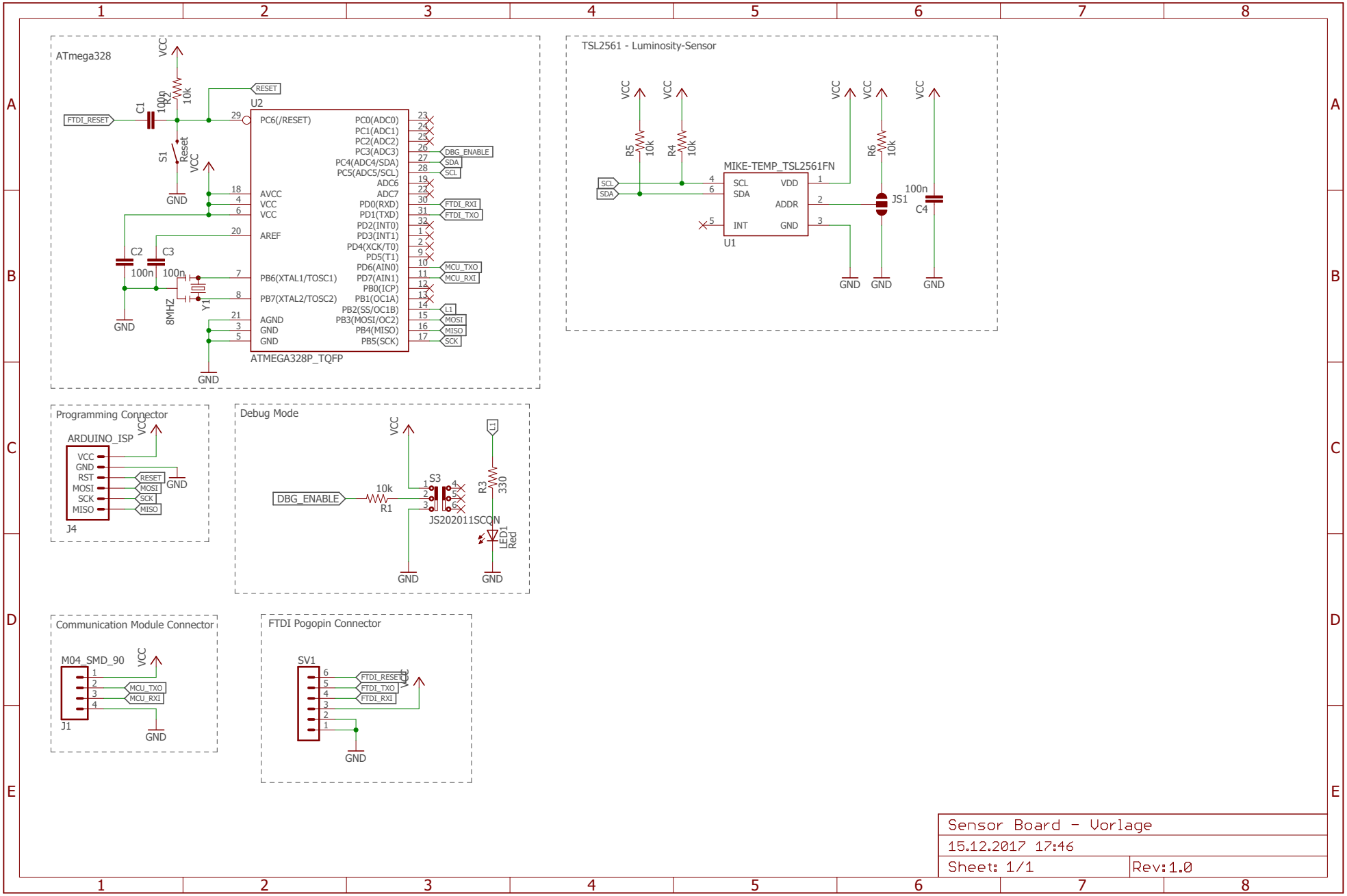
ATmega328
VCC
R2
10k
RESET
U2
FTDI_RESET
C1
100n
S1
Reset
GND
PC6(/RESET)
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
ADC6
ADC7
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
AVCC
VCC
VCC
AREF
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
AGND
GND
GND
DBG_ENABLE
SDA
SCL
FTDI_RXI
FTDI_TXO
MCU_TXO
MCU_RXI
L1
MOSI
MISO
SCK
C2
C3
100n
100n
8MHZ
Y1
ATMEGA328P_TQFP
TSL2561 - Luminosity-Sensor
R5
10k
R4
10k
R6
10k
MIKE-TEMP_TSL2561FN
SCL
SDA
VDD
ADDR
INT
GND
U1
JS1
100n
C4
Programming Connector
ARDUINO_ISP
VCC
GND
RST
MOSI
SCK
MISO
J4
Debug Mode
DBG_ENABLE
10k
R1
S3
JS202011SCQN
R3
330
LED1
Red
Communication Module Connector
M04_SMD_90
J1
FTDI Pogopin Connector
SV1
FTDI_RESET
FTDI_TXO
FTDI_RXI
Sensor Board - Vorlage
15.12.2017 17:46
Sheet: 1/1
Rev:1.0