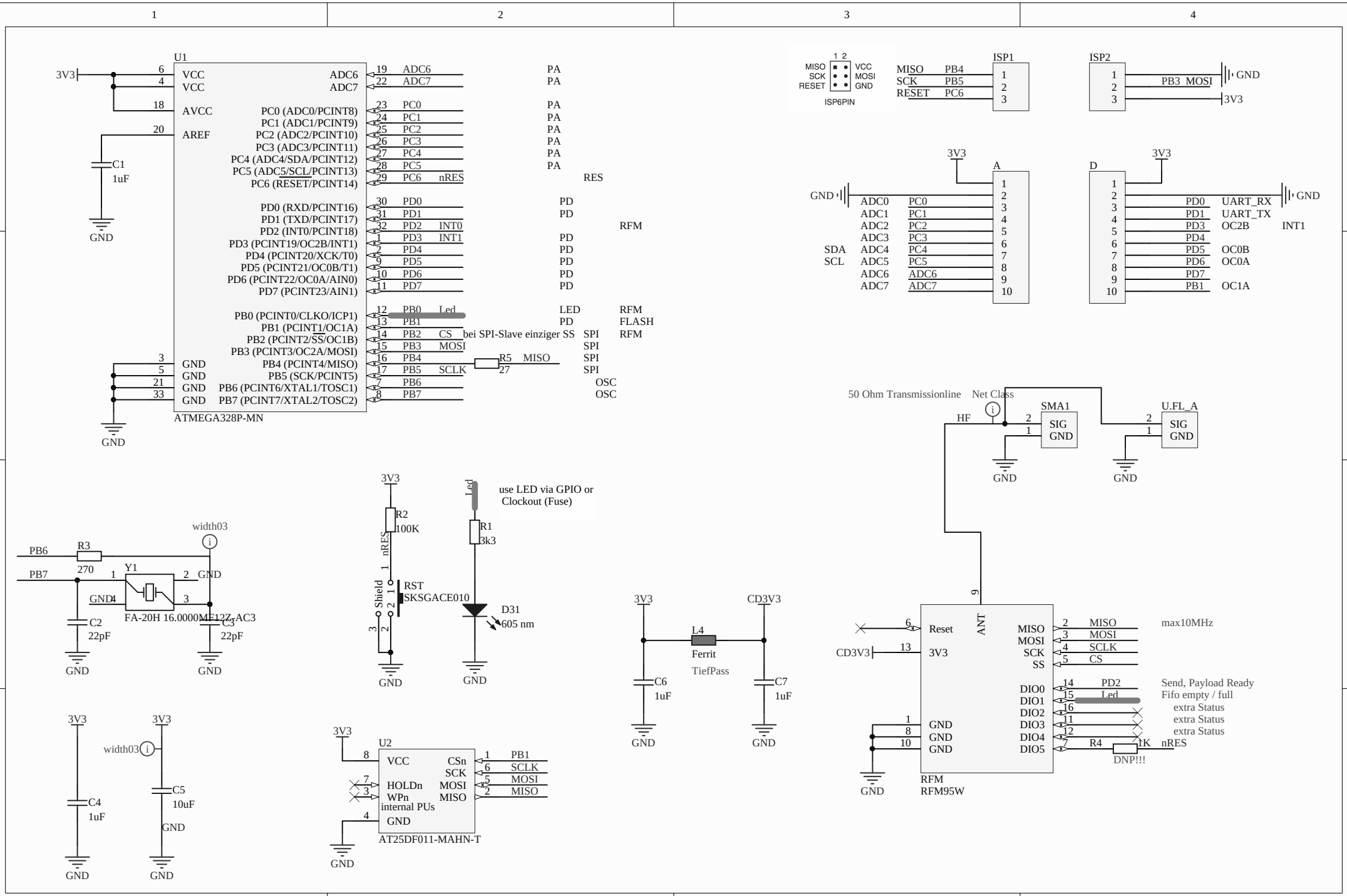
U1
ATMEGA328P-MN
3V3
GND
C1
1uF
VCC
AVCC
AREF
ADC6
ADC7
PC0 (ADC0/PCINT8)
PC1 (ADC1/PCINT9)
PC2 (ADC2/PCINT10)
PC3 (ADC3/PCINT11)
PC4 (ADC4/SDA/PCINT12)
PC5 (ADC5/SCL/PCINT13)
PC6 (RESET/PCINT14)
PD0 (RXD/PCINT16)
PD1 (TXD/PCINT17)
PD2 (INT0/PCINT18)
PD3 (PCINT19/OC2B/INT1)
PD4 (PCINT20/XCK/T0)
PD5 (PCINT21/OC0B/T1)
PD6 (PCINT22/OC0A/AIN0)
PD7 (PCINT23/AIN1)
PB0 (PCINT0/CLKO/ICP1)
PB1 (PCINT1/OC1A)
PB2 (PCINT2/SS/OC1B)
PB3 (PCINT3/OC2A/MOSI)
PB4 (PCINT4/MISO)
PB5 (SCK/PCINT5)
PB6 (PCINT6/XTAL1/TOSC1)
PB7 (PCINT7/XTAL2/TOSC2)
GND
nRES
Led
CS
MOSI
MISO
SCLK
INT0
INT1
R5
27
bei SPI-Slave einziger SS
PA
PD
LED
RFM
FLASH
SPI
OSC
RES
ISP6PIN
MISO
SCK
RESET
VCC
MOSI
GND
ISP1
ISP2
PB4
PB5
PC6
PB3 MOSI
A
D
ADC0
ADC1
ADC2
ADC3
ADC4
ADC5
ADC6
ADC7
PC0
PC1
PC2
PC3
PC4
PC5
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
PB1
UART_RX
UART_TX
OC2B
OC0B
OC0A
OC1A
SDA
SCL
50 Ohm Transmissionline
Net Class
HF
SMA1
U.FL_A
SIG
R3
270
PB6
PB7
Y1
FA-20H 16.0000ME12Z-AC3
C2
22pF
C3
22pF
width03
R2
100K
R1
3k3
RST
SKSGACE010
D31
605 nm
use LED via GPIO or
Clockout (Fuse)
Shield
L4
Ferrit
TiefPass
C6
1uF
C7
1uF
CD3V3
C4
1uF
C5
10uF
U2
AT25DF011-MAHN-T
VCC
HOLDn
WPn
internal PUs
CSn
SCK
MOSI
MISO
PB1
SCLK
ANT
Reset
RFM
RFM95W
DIO0
DIO1
DIO2
DIO3
DIO4
DIO5
PD2
max10MHz
Send, Payload Ready
Fifo empty / full
extra Status
extra Status
extra Status
R4
1K
DNP!!!
nRES