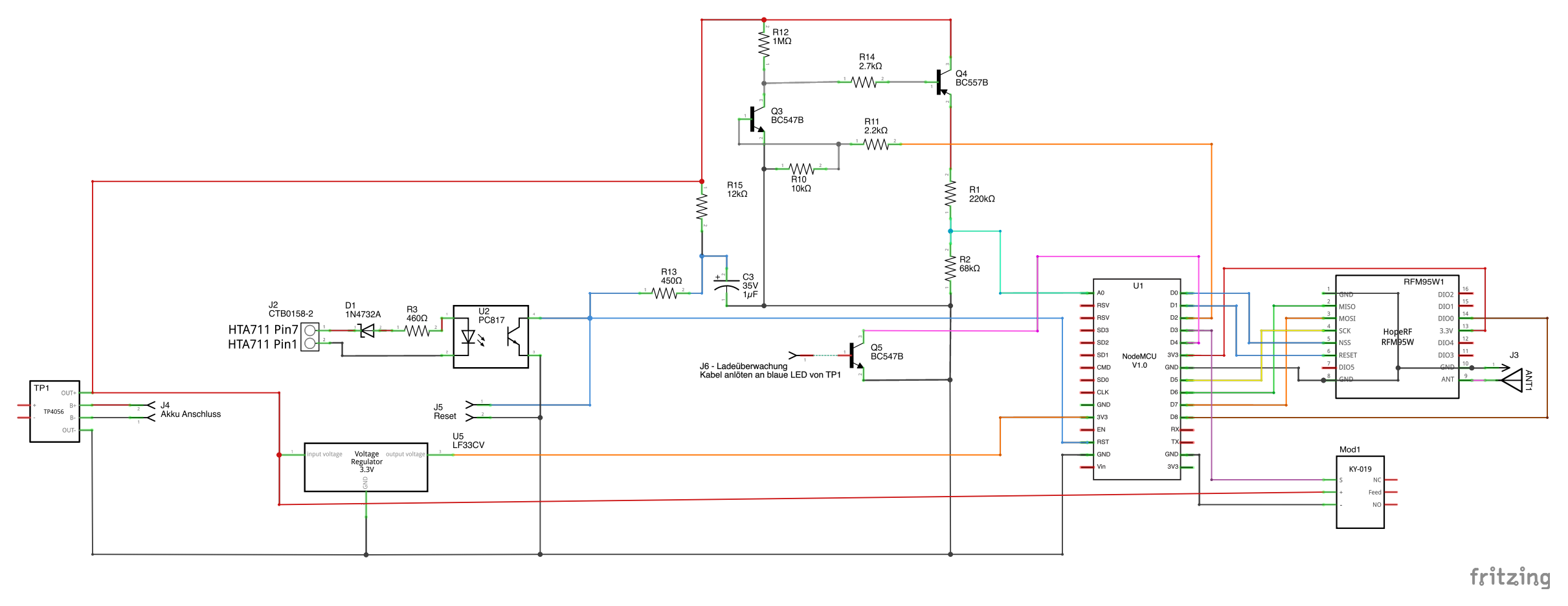
R12
1MΩ
R14
2.7kΩ
Q4
BC557B
Q3
BC547B
R11
2.2kΩ
R10
10kΩ
R15
12kΩ
R1
220kΩ
R2
68kΩ
R13
450Ω
C3
35V
1µF
J2
CTB0158-2
HTA711 Pin7
HTA711 Pin1
D1
1N4732A
R3
460Ω
U2
PC817
Q5
BC547B
J6 - Ladeüberwachung
Kabel anlöten an blaue LED von TP1
TP1
TP4056
J4
Akku Anschluss
J5
Reset
U5
LF33CV
Voltage Regulator 3.3V
input voltage
output voltage
GND
U1
NodeMCU V1.0
A0
RSV
RSV
SD3
SD2
SD1
CMD
SD0
CLK
GND
3V3
EN
RST
GND
Vin
D0
D1
D2
D3
D4
3V3
GND
D5
D6
D7
D8
RX
TX
GND
3V3
RFM95W1
HopeRF RFM95W
GND
MISO
MOSI
SCK
NSS
RESET
DIO5
GND
DIO2
DIO1
DIO0
3.3V
DIO4
DIO3
GND
ANT
J3
ANT1
Mod1
KY-019
S
+
-
NC
Feed
NO

fritzing