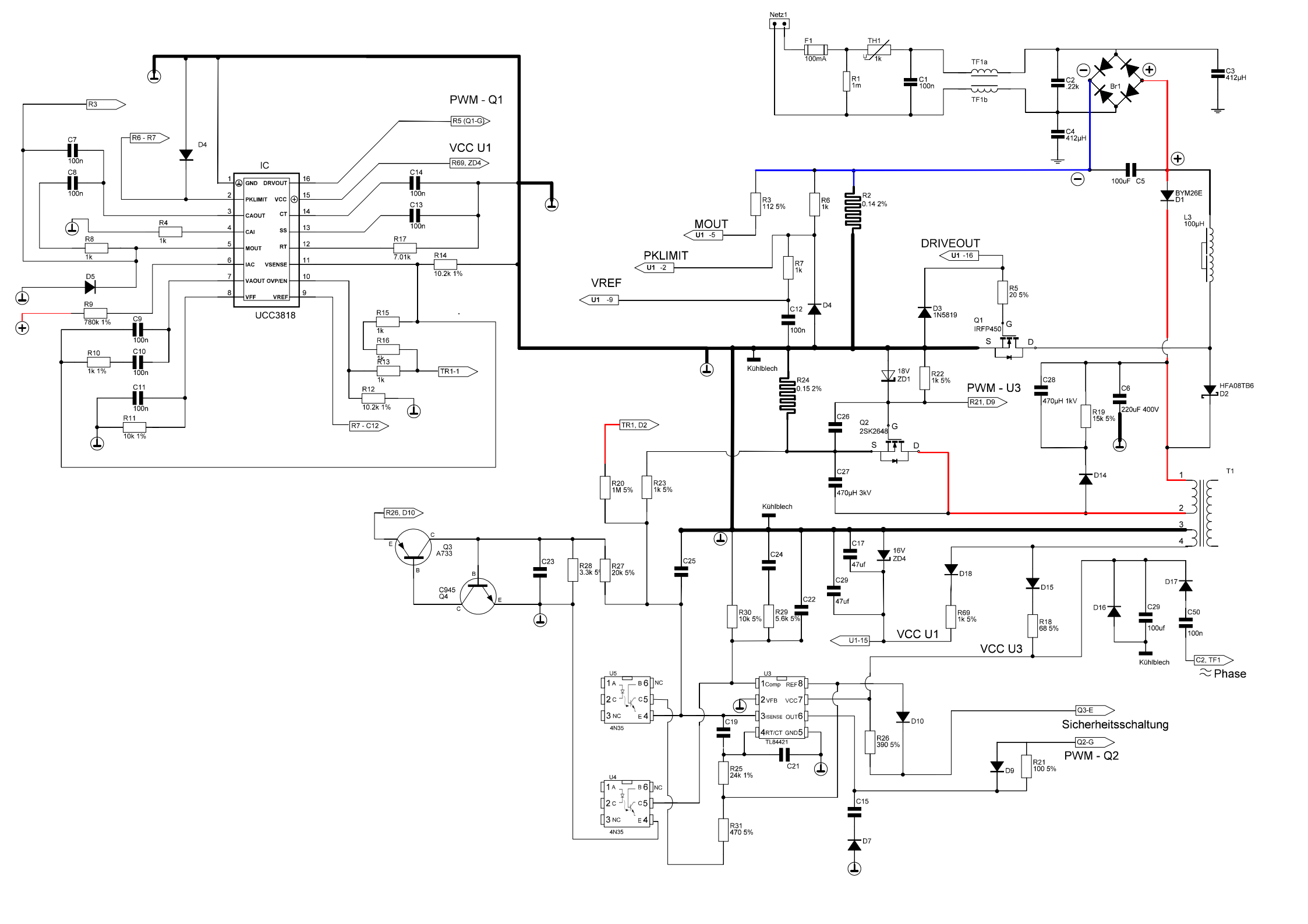
Netz1
F1
100mA
TH1
1k
R1
1m
C1
100n
TF1a
TF1b
C2
22k
Br1
C3
412µH
C4
412µH
100uF C5
BYM26E
D1
L3
100µH
PWM - Q1
R5 (Q1-G)
VCC U1
R69, ZD4
IC
GND DRVOUT
PKLIMIT VCC
CAOUT CT
CAI SS
MOUT RT
IAC VSENSE
VAOUT OVP/EN
VFF VREF
UCC3818
R3
R6 - R7
D4
C7
100n
C8
100n
R4
1k
R8
1k
D5
R9
780k 1%
C9
100n
R10
1k 1%
C10
100n
C11
100n
R11
10k 1%
C14
100n
C13
100n
R17
7.01k
R14
10.2k 1%
R15
1k
R16
1k
R13
1k
R12
10.2k 1%
TR1-1
R7 - C12
MOUT
U1 -5
PKLIMIT
U1 -2
VREF
U1 -9
R3
112 5%
R6
1k
R2
0.14 2%
R7
1k
C12
100n
D4
Kühlblech
R24
0.15 2%
DRIVEOUT
U1 -16
D3
1N5819
Q1
IRFP450
R5
20 5%
18V
ZD1
R22
1k 5%
PWM - U3
R21, D9
C28
470µH 1kV
R19
15k 5%
C6
220uF 400V
HFA08TB6
D2
D14
T1
C26
Q2
2SK2648
C27
470µH 3kV
TR1, D2
R20
1M 5%
R23
1k 5%
R26, D10
Q3
A733
C945
Q4
C23
R28
3.3k 5%
R27
20k 5%
C25
Kühlblech
C24
R30
10k 5%
R29
5.6k 5%
C22
C17
47uf
16V
ZD4
C29
47uf
U1-15
VCC U1
D18
R69
1k 5%
D15
R18
68 5%
VCC U3
D16
C29
100uf
Kühlblech
D17
C50
100n
C2, TF1
Phase
U5
4N35
U4
4N35
U3
Comp REF
VFB VCC
ISENSE OUT
RT/CT GND
TL84421
C19
C21
R25
24k 1%
R31
470 5%
D10
R26
390 5%
Q3-E
Sicherheitsschaltung
Q2-G
PWM - Q2
D9
R21
100 5%
C15
D7