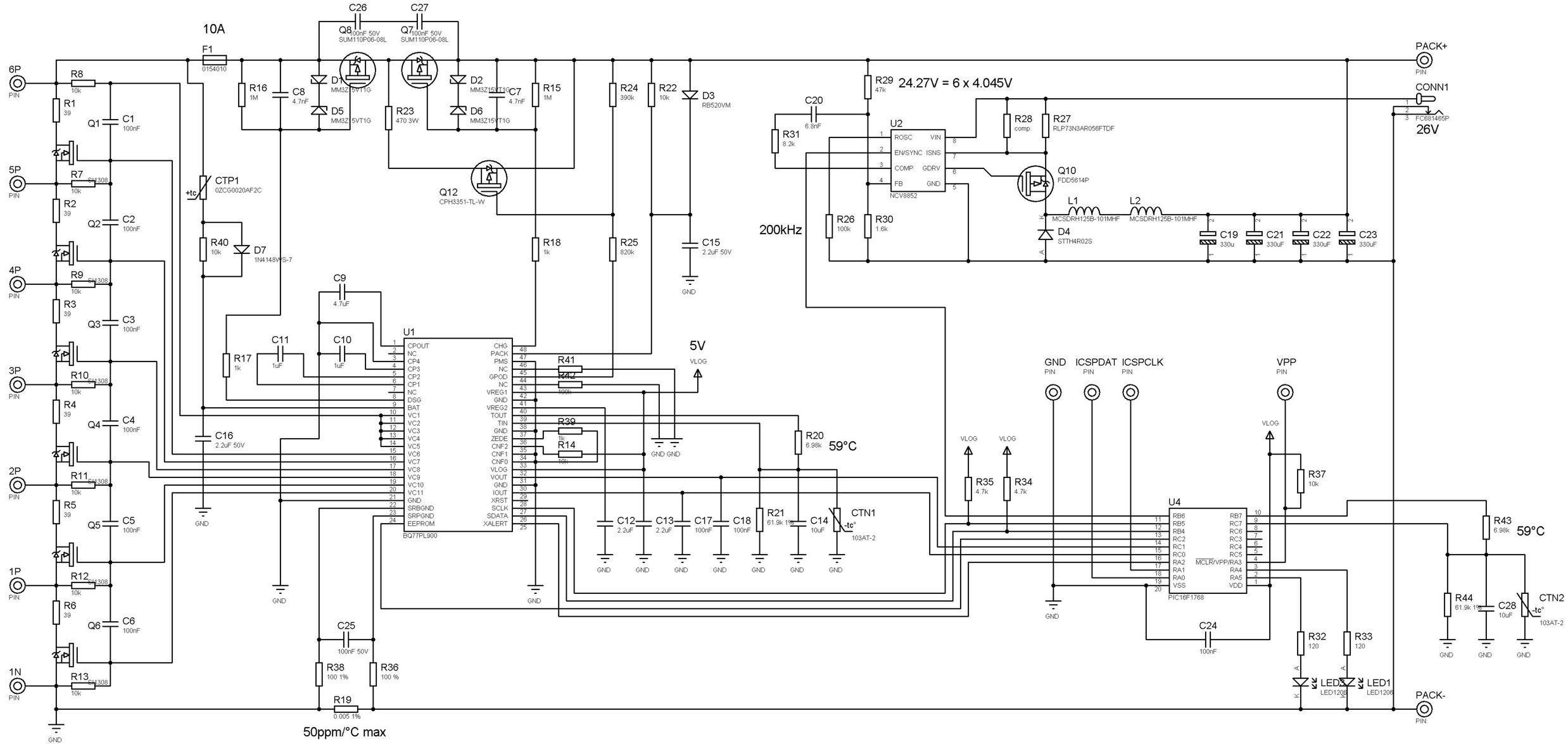
10A
F1
0154010
C26
C27
Q8
Q7
100nF 50V
SUM110P06-08L
D1
D2
MM3Z15VT1G
D5
D6
MM3Z5V1T1G
C7
4.7nF
C8
4.7nF
R16
1M
R15
1M
R23
470 3W
R24
390k
R22
10k
D3
RB520VM
Q12
CPH3351-TL-W
C15
2.2uF 50V
GND
6P
5P
4P
3P
2P
1P
1N
PIN
R8
R7
R9
R10
R11
R12
R13
10k
SH308
R1
R2
R3
R4
R5
R6
39
Q1
Q2
Q3
Q4
Q5
Q6
C1
C2
C3
C4
C5
C6
100nF
CTP1
0ZCG0020AF2C
+tc
R40
10k
D7
1N4148WS-7
C9
4.7uF
C11
1uF
C10
1uF
R17
1k
C16
2.2uF 50V
U1
BQ77PL900
CPOUT
NC
CP4
CP3
CP2
CP1
DSG
BAT
VC1
VC2
VC3
VC4
VC5
VC6
VC7
VC8
VC9
VC10
VC11
SRBGND
SRPGND
EEPROM
CHG
PACK
PMS
GPOD
VREG1
VREG2
TOUT
TIN
ZEDE
CNF2
CNF1
CNF0
VLOG
VOUT
IOUT
XRST
SCLK
SDATA
XALERT
R18
1k
R25
820k
R41
R42
100k
R39
1k
R14
10k
5V
VLOG
GND GND
R20
6.98k
59°C
C12
2.2uF
C13
2.2uF
C17
100nF
C18
100nF
R21
61.9k 1%
C14
10uF
CTN1
-tc°
103AT-2
C25
100nF 50V
R38
100 1%
R36
100 %
R19
0.005 1%
50ppm/°C max
C20
6.8nF
R31
8.2k
R29
47k
24.27V = 6 x 4.045V
U2
NCV8852
ROSC
EN/SYNC
COMP
FB
VIN
ISNS
GDRV
GND
R28
comp.
R27
RLP73N3AR056FTDF
Q10
FDD5614P
R26
100k
R30
1.6k
200kHz
L1
L2
MCSDRH125B-101MHF
D4
STTH4R02S
C19
330u
C21
330uF
C22
330uF
C23
330uF
PACK+
CONN1
FC681465P
26V
PACK-
GND
ICSPDAT
ICSPCLK
VPP
VLOG
R35
4.7k
R34
4.7k
U4
PIC16F1768
RB6
RB5
RB4
RC2
RC1
RC0
RA2
RA1
RA0
VSS
RB7
RC7
RC6
RC3
RC4
RC5
MCLR/VPP/RA3
RA4
RA5
VDD
R37
10k
C24
100nF
R32
120
R33
120
LED2
LED1
LED1206
R43
6.98k
59°C
R44
61.9k 1%
C28
10uF
CTN2
-tc°
103AT-2