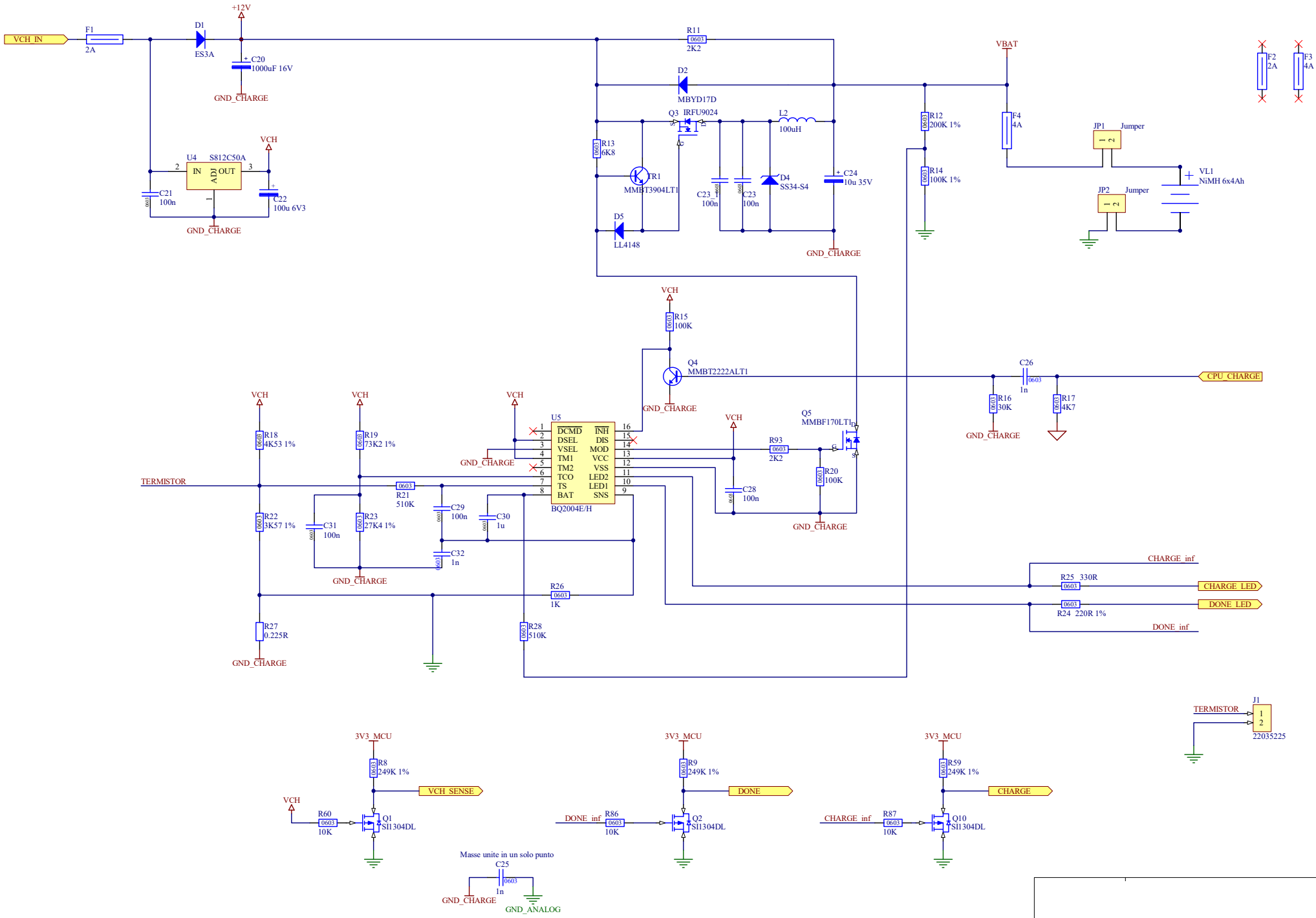
VCH_IN
F1
2A
D1
ES3A
+12V
C20
1000uF 16V
GND_CHARGE
U4
S812C50A
IN
ADJ
OUT
C21
100n
C22
100u 6V3
VCH
R11
2K2
D2
MBYD17D
Q3
IRFU9024
L2
100uH
R13
6K8
TR1
MMBT3904LT1
D5
LL4148
C23_1
100n
C23
100n
D4
SS34-S4
C24
10u 35V
R12
200K 1%
R14
100K 1%
VBAT
F4
4A
F2
2A
F3
4A
JP1
Jumper
JP2
Jumper
VL1
NiMH 6x4Ah
R15
100K
Q4
MMBT2222ALT1
C26
1n
CPU_CHARGE
R16
30K
R17
4K7
U5
DCMD
DSEL
VSEL
TM1
TM2
TCO
TS
BAT
INH
DIS
MOD
VCC
VSS
LED2
LED1
SNS
BQ2004E/H
R93
2K2
Q5
MMBF170LT1
C28
100n
R20
100K
R18
4K53 1%
R19
73K2 1%
TERMISTOR
R21
510K
R22
3K57 1%
R23
27K4 1%
C29
100n
C30
1u
C31
100n
C32
1n
R26
1K
R27
0.225R
R28
510K
CHARGE_inf
R25 330R
CHARGE_LED
DONE_LED
R24 220R 1%
DONE_inf
J1
22035225
3V3_MCU
R8
249K 1%
VCH_SENSE
R60
10K
Q1
SI1304DL
R9
249K 1%
DONE
R86
10K
Q2
SI1304DL
R59
249K 1%
CHARGE
R87
10K
Q10
SI1304DL
Masse unite in un solo punto
C25
1n
GND_ANALOG