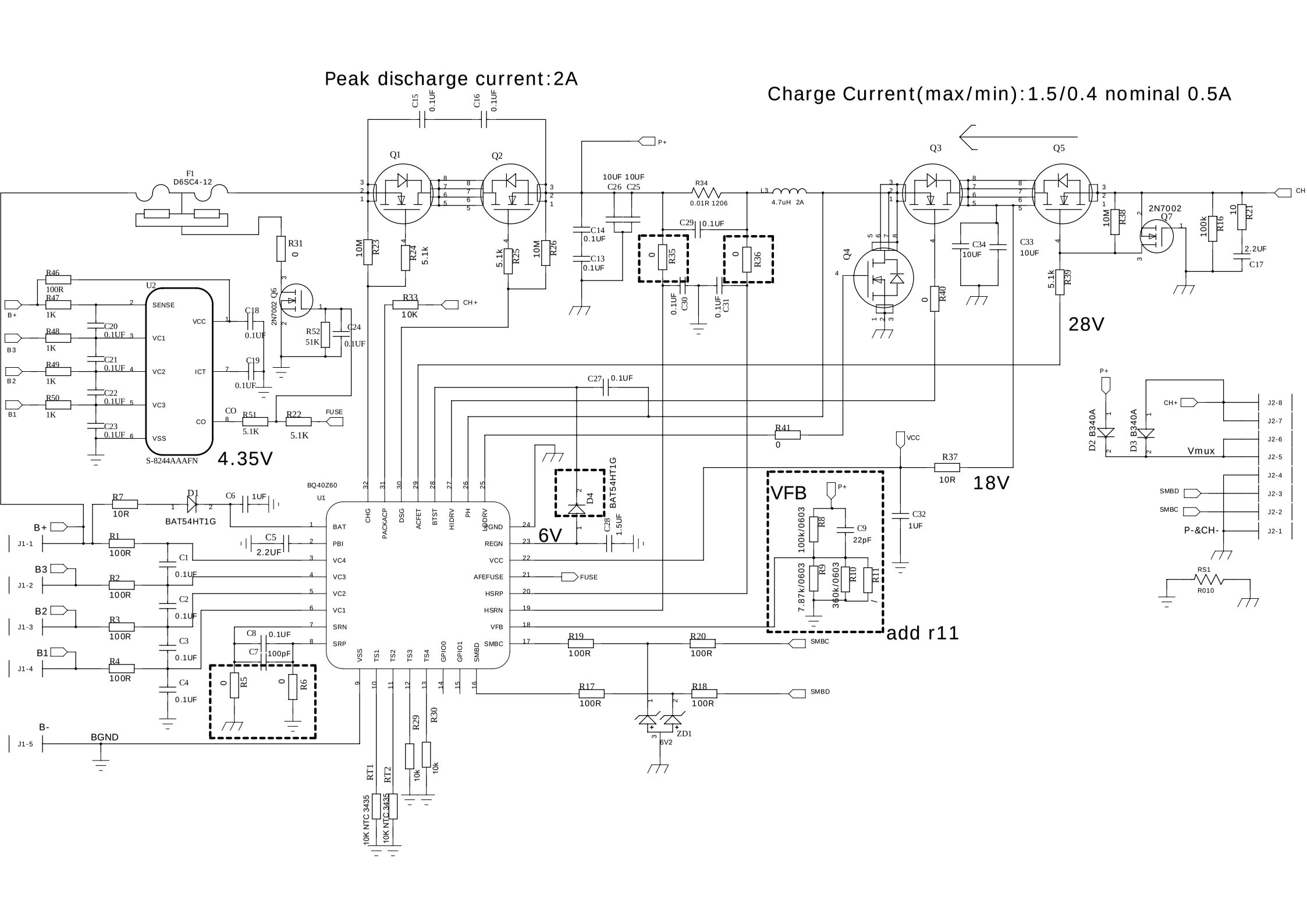
Peak discharge current:2A
Charge Current(max/min):1.5/0.4 nominal 0.5A
F1
D6SC4-12
Q1
Q2
Q3
Q5
Q4
Q7
2N7002
C15 0.1UF
C16 0.1UF
C14 0.1UF
C13 0.1UF
10UF 10UF
C26 C25
R34
0.01R 1206
L3
4.7uH 2A
P+
CH+
R31 0
R23 10M
R24 5.1k
R25 5.1k
R26 10M
R33 10K
C29 0.1UF
R35 0
R36 0
C30 0.1UF
C31 0.1UF
C34 10UF
C33 10UF
R38 10M
R16 100k
R21 10
C17 2.2UF
R39 5.1k
R40 0
28V
U2
S-8244AAAFN
SENSE
VCC
VC1
VC2
VC3
VSS
ICT
CO
R46 100R
R47 1K
R48 1K
R49 1K
R50 1K
C20 0.1UF
C21 0.1UF
C22 0.1UF
C23 0.1UF
C18 0.1UF
C19 0.1UF
R52 51K
C24 0.1UF
R51 5.1K
R22 5.1K
FUSE
4.35V
C27 0.1UF
R41 0
VCC
R37 10R
18V
BQ40Z60
U1
CHG
PACKACP
DSG
ACFET
BTST
HIDRV
PH
LODRV
BAT
PBI
VC4
VC3
VC2
VC1
SRN
SRP
LGND
REGN
VCC
AFEFUSE
HSRP
HSRN
VFB
SMBC
VSS
TS1
TS2
TS3
TS4
GPIO0
GPIO1
SMBD
D1 BAT54HT1G
D4 BAT54HT1G
C6 1UF
C5 2.2UF
C28 1.5UF
6V
C8 0.1UF
C7 100pF
R5 0
R6 0
R7 10R
R1 100R
R2 100R
R3 100R
R4 100R
C1 0.1UF
C2 0.1UF
C3 0.1UF
C4 0.1UF
B+
B3
B2
B1
B-
J1-1
J1-2
J1-3
J1-4
J1-5
BGND
VFB
R8 100k/0603
C9 22pF
R9 7.87k/0603
R10 360k/0603
R11
C32 1UF
add r11
R19 100R
R20 100R
R17 100R
R18 100R
SMBC
SMBD
ZD1
6V2
RT1
RT2
10K NTC 3435
R29 10k
R30 10k
D2 B340A
D3 B340A
Vmux
P-&CH-
J2-8
J2-7
J2-6
J2-5
J2-4
J2-3
J2-2
J2-1
RS1
R010