External connectors

VOUT — JE2 TS34031
JE1 TS34031
VOUT — JE3 Conn_01x04_Socket (optional)
JE4 Conn_01x04_Socket

Internal connectors

8S — JI4 MY-FJ-04-J
4S — JI3 MY-FJ-04-J
JI2 Flat Copper Pad
JI1 Flat Copper Pad

JI5 Conn_02x03_Odd_Even
1S 1 2 2S
3S 3 4 5S
6S 5 6 7S

Mounting holes

H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole

Balancer

8S — RB8 100 — CB8 100n — UB8 HY2213-BB3A (NC, OUT, VDD, NC, VSS, NC) — RB16 200, RB24 200, QB8 AO3400A
7S — RB7 100 — CB7 100n — UB7 HY2213-BB3A — RB15 200, RB23 200, QB7 AO3400A
6S — RB6 100 — CB6 100n — UB6 HY2213-BB3A — RB14 200, RB22 200, QB6 AO3400A
5S — RB5 100 — CB5 100n — UB5 HY2213-BB3A — RB13 200, RB21 200, QB5 AO3400A
4S — RB4 100 — CB4 100n — UB4 HY2213-BB3A — RB12 200, RB20 200, QB4 AO3400A
3S — RB3 100 — CB3 100n — UB3 HY2213-BB3A — RB11 200, RB19 200, QB3 AO3400A
2S — RB2 100 — CB2 100n — UB2 HY2213-BB3A — RB10 200, RB18 200, QB2 AO3400A
1S — RB1 100 — CB1 100n — UB1 HY2213-BB3A — RB9 200, RB17 200, QB1 AO3400A

eFuse

8S — CF1 100n — RF1 51K
QF3 2N7002 — RF2 10K
DO — RF3 47K
U18 TPS2491DGSR (VCC 10, EN 1, VREF 2, PROG 3, SENSE 9, GATE 8, OUT 7, PG 6, TIMER 4, GND 5)
CF2 33n
RF10 6m
QF1 MS50N06
QF2 NCE40P40K
RF5 10
RF6 10K
RF7 10K
DF1 D_Zener 12V
F1 0154010.DR
VOUT
CO — QF4 2N7002 — RF8 10K

Overcharge/overdischarge/temperature protection

8S — RP8 1K — CP8 100n — V8
7S — RP7 1K — CP7 100n — V7
6S — RP6 1K — CP6 100n — V6
5S — RP5 1K — CP5 100n — V5
4S — RP4 1K — CP4 100n — V4
3S — RP3 1K — CP3 100n — V3
2S — RP2 1K — CP2 100n — V2
1S — RP1 1K — CP1 100n — V1

RP9 300 — CP9 100n
8S

UP1 BQ7721605PWR
NC 1, VDD 2, V16 3, V15 4, V14 5, V13 6, V12 7, V11 8, V10 9, V9 10, V8 11, V7 12
TS 24, DO 23, CO 22, VSS 21, V1 20, V2 19, V3 18, V4 17, NC 16, NC 15, V5 14, V6 13

TH1 NTCS0603E3103JHT