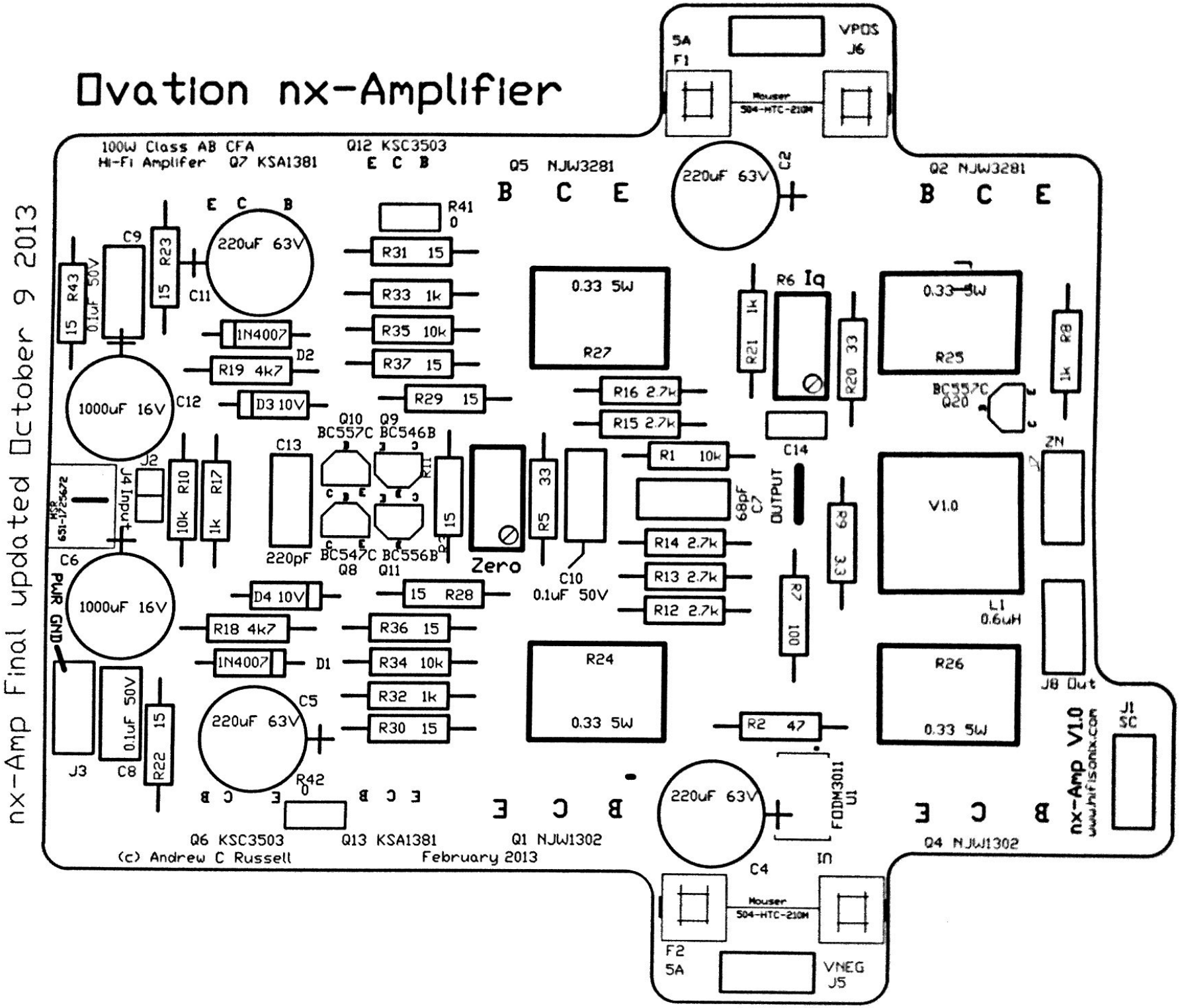
Ovation nx-Amplifier
nx-Amp Final updated October 9 2013
100W Class AB CFA
Hi-Fi Amplifer
Q7 KSA1381
Q12 KSC3503
E C B
Q5 NJW3281
B C E
Q2 NJW3281
B C E
5A
F1
VPOS
J6
Mouser
504-HTC-210M
220uF 63V
C2
R41
0
R31 15
R33 1k
R35 10k
R37 15
R29 15
1N4007
D2
R19 4k7
D3 10V
C9
R23
15
R43
15
0.1uF 50V
C11
C12
1000uF 16V
J2
J4 Input
C13
220pF
Q10
BC557C
Q9
BC546B
Q8
BC547C
Q11
BC556B
R11
15
R5
33
Zero
C10
0.1uF 50V
0.33 5W
R27
R16 2.7k
R15 2.7k
R1 10k
R14 2.7k
R13 2.7k
R12 2.7k
R6 Iq
R21
1k
R20
33
C14
68pF
C7
OUTPUT
0.33 5W
R25
BC557C
Q20
R8
1k
ZN
V1.0
R9
33
R7
100
L1
0.6uH
J8 Out
R24
0.33 5W
R26
0.33 5W
R2 47
FODM3011
U1
IN
C6
1000uF 16V
PWR GND
J3
C8
0.1uF 50V
R22
15
D4 10V
R18 4k7
1N4007
D1
R36 15
R34 10k
R32 1k
R30 15
R28 15
C5
220uF 63V
R42
0
Q6 KSC3503
Q13 KSA1381
Q1 NJW1302
Q4 NJW1302
220uF 63V
C4
(c) Andrew C Russell
February 2013
nx-Amp V1.0
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J1
SC
F2
5A
VNEG
J5
Mouser
504-HTC-210M