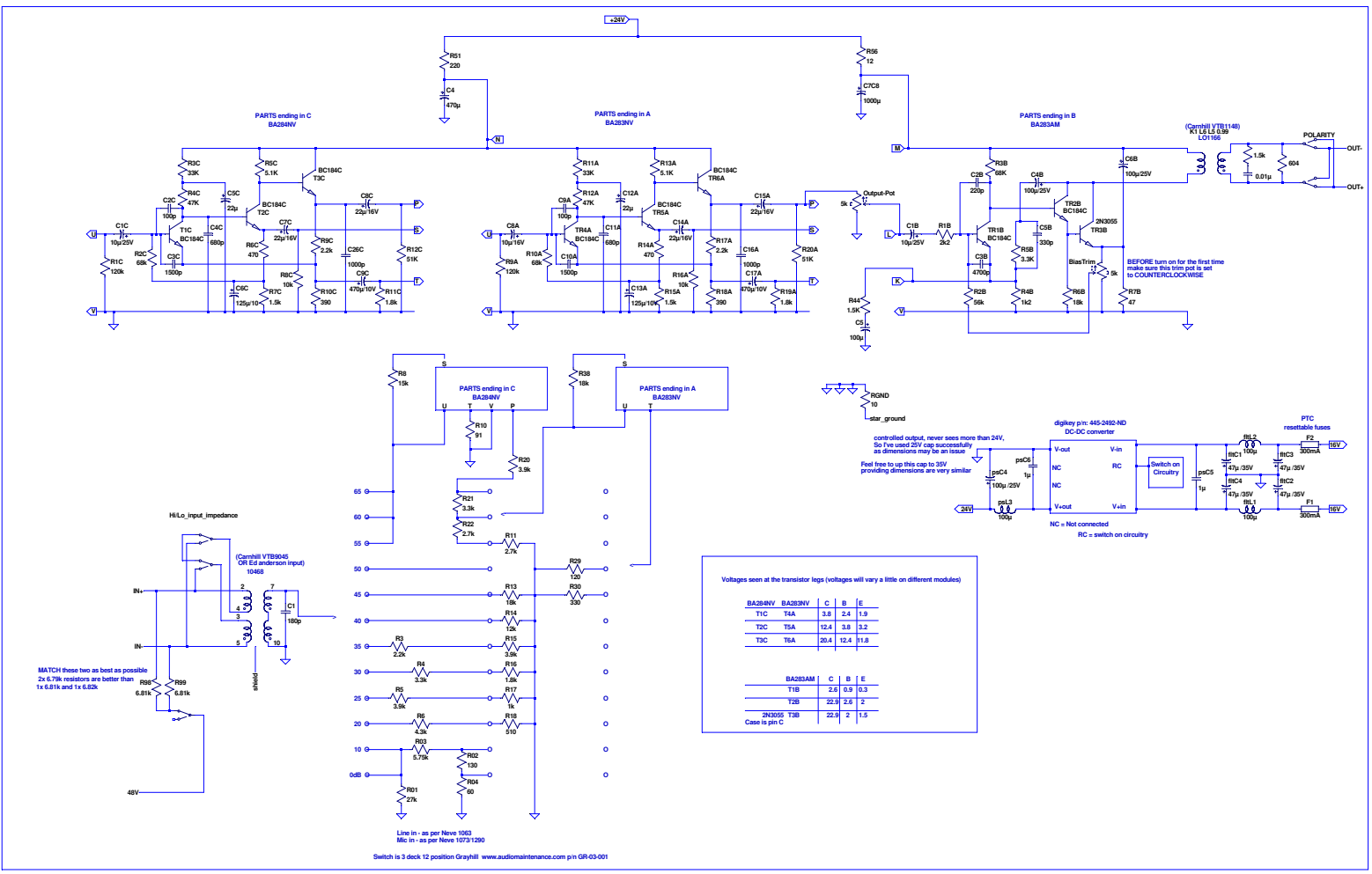
+24V
R51 220
C4 470µ
R56 12
C7C8 1000µ
PARTS ending in C
BA284NV
PARTS ending in A
BA283NV
PARTS ending in B
BA283AM
(Carnhill VTB1148)
K1 L6 L5 0.99
LO1166
POLARITY
OUT-
OUT+
Output-Pot
5k
BEFORE turn on for the first time
make sure this trim pot is set
to COUNTERCLOCKWISE
BiasTrim
5k
RGND
10
star_ground
controlled output, never sees more than 24V,
So I've used 25V cap successfully
as dimensions may be are very similar
Feel free to up this cap to 35V
providing dimensions are very similar
digikey p/n: 445-2492-ND
DC-DC converter
V-out
V-in
NC
RC
NC
V+out
V+in
Switch on
Circuitry
24V
100µ
PTC
resettable fuses
F2
300mA
16V
F1
300mA
16V
NC = Not connected
RC = switch on circuitry
Hi/Lo_input_impedance
(Carnhill VTB9045
OR Ed anderson input)
10468
IN+
IN-
shield
C1
180p
MATCH these two as best as possible
2x 6.79k resistors are better than
1x 6.81k and 1x 6.82k
R98
6.81k
R99
6.81k
48V
65
60
55
50
45
40
35
30
25
20
10
0dB
Line in - as per Neve 1063
Mic in - as per Neve 1073/1290
Switch is 3 deck 12 position Grayhill www.audiomaintenance.com p/n GR-03-001
Voltages seen at the transistor legs (voltages will vary a little on different modules)
BA284NV BA283NV C B E
T1C T4A 3.8 2.4 1.9
T2C T5A 12.4 3.8 3.2
T3C T6A 20.4 12.4 11.8
BA283AM C B E
T1B 2.6 0.9 0.3
T2B 22.9 2.6 2
2N3055 T3B 22.9 2 1.5
Case is pin C