MAINS
120 VAC

MAINS CHASSIS GROUND

Ground Green

G
N L

1A Fuse

Black – Line / Hot

Black - Line

TWIST TOGETHER

White - Neutral

Red-Yellow HV CT

Green-Green 6.3VAC (twist)

Power Ground

Red-Red 630 VAC (twist)

TIE OFF
Black/White &
White/Black

120V Mains
Connect Black
to White at IEC

120V Mains
Connect Black/Red to
White/Red on switch

6.3VAC (twist)

240V Mains-Connect Black/Red to White
Connect mains to Black (N) & White/Red (L)

1K 2W

1K 2W

10K 2W

Jacks grounded to chassis

+ve / tip

6L6
6V6

to 6V6 bias resistor

spare

Impedance Switch
3 2 1 A
16 (O) 8 (G) 4 (Y)

Note: Switch Terminal Contact Numbers

Cap Off Unused Hole

6.3VAC (twisted pair)

10K

330K

brown – yellow (5K)

twist together brown

OT

brown – white (2.5K EL34) tie off

To 8 ohm tap

340

PAB eyelet

jumper

191

203

1.7

400

29 [6V6]

47K 2W

insulate 6.2V diode leads

MOSFET
D S
G

5R 1W

100K 1W

100R 5W

50uF 450V

220K 2W

50uF 450V

220K 2W

1000uf 50V

750 5W

560 5W

33uF 450V

33uF 450V

220K 1W

insulate 220K resistor leads

56K

0.022uF

400V

0.01uF

22K

22K

2K7

2K7

.47uF

220K

220K

.01uF

.1uF

1M

2K7

.047uF

1uF 25V

1.7

Pre-amp Ground

Braid 3 VRM control wires

POWER LEVEL 1M-L

270R

MASTER VOL 1M-A

TREBLE 250K-L

Thin

Fat

BASS 500K-A

22K

220K

Twee d

'tude

VOLUME 500K-A

shield

shielded cable

shield

shielded cable

Input
Cliff Jack insulated from chassis

MOD for PAB footswitch

Pre-amp ground on board

PAB

1M

R13
(disconnected from ground & moved to optional PAB eyelet)

MOD
for dual OT impedance switch. Note: Connect across both switch terminals . DPST not included with kit

to OT

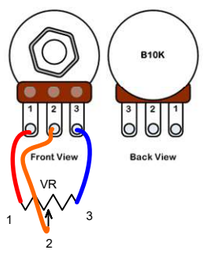
brown – yellow 5K primary 6V6, 6L6, KT66

6L6
EL34

to V2 pin 3

brown – white 2.5K primary EL34, KT88

POTENTIOMETER PINOUTS



HARDWARE

4-40 X5/16" screw – attach sockets, pre-ground, FET, terminal strips with nuts
6-32 X 3/8" screw – power ground with lock nut
6-32 X 1" + stand-off – screw into chassis, install stand-off & nut to mount board
8-32 x 3/8" screw – Mount OT, PT, mains ground with locknuts
10-32 X 1" - attach chassis to cabinet, with lock washer & washer

REV.	DESCRIPTION	DATE	BY
1	Initial drawing	07/16/09	SC
5	added fat/thin ; impedance/6L6	04/19/10	SC
6	revised VRM layout; bias res	05/05/10	SC
7	Updated as first prod version	05/24/10	SC
8	Updated per first prod version	06/03/10	SC
9	Bass Ground moved	06/20/10	SC
10	grid resistor move to pin 2 & shielded cable added on input	09/20/10	SC
11	1M moved to other side of .1 cap changed ref. V1-6 to 1.7V	03/25/11	SC
12	updated 220K res to 12AX7, flipped filter caps	06/25/11	SC
13	reversed 220K res to 12AX7,	10/25/11	SC
14	moved MV ground to input jack ground	01/2/12	SC
15	moved LED; removed 1- 220K 2W	8May13	SC
16	colour coded wires	25Jun13	SC
17	Changed VRM low limit res. To 220K	01/5/14	SC
21	Added PAB Mod	25Nov16	SC
22	Added IEC mains connection	29Nov16	SC
23	Change pin 8 to pin 3 on EL34 Mod	8Dec16	SC
24	Update output jack positions	23Dec16	SC
25	Updated for new Power Transformer	23Nov18	SC

Notes

1. Voltages Measured in Tweed Mode with B+ @ 400V using 6V6 Tube
2. For lowest noise, or if noise occurs at max. gain settings, use shielded cable from board to V1 330K; from MV wiper to V2 pin 6 (6V6); from 8 ohm tap to 22K feedback resistor. Ground shield at closest component ground.

Trinity Amps

Tramp

SIZE	FSCM NO	DWG NO	REV
			25

SCALE 1 : 1 SHEET 2 OF 28