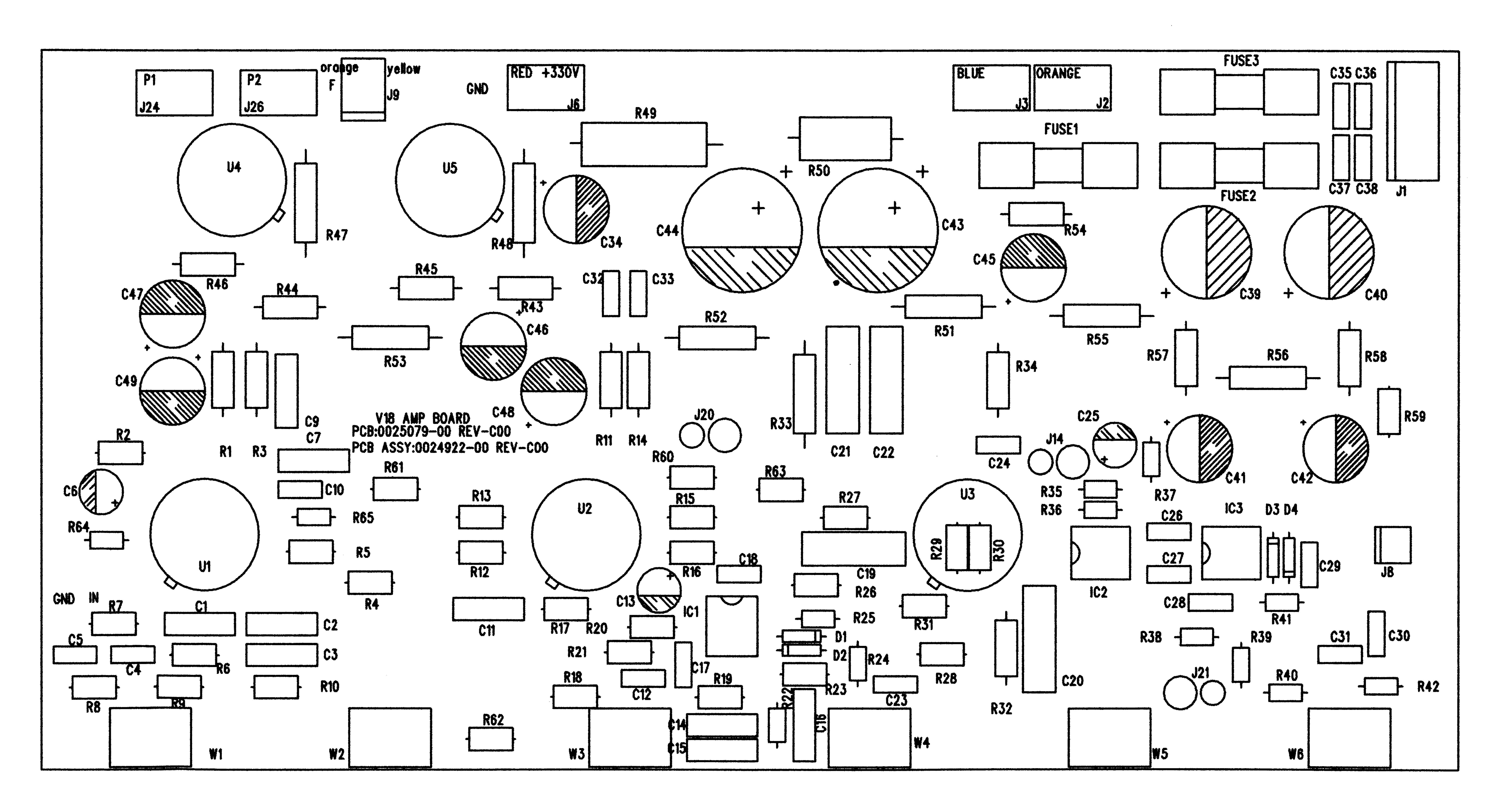

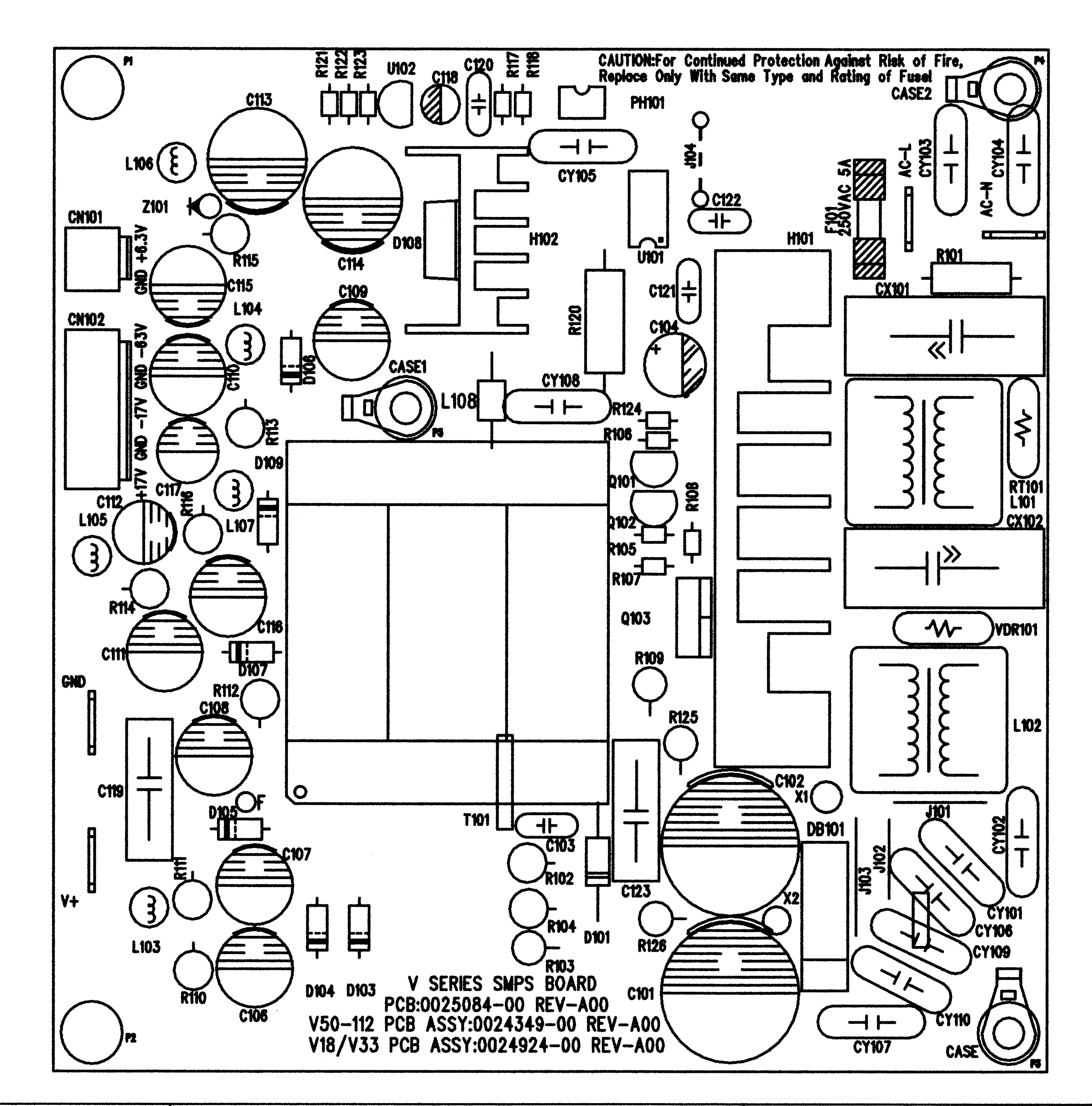
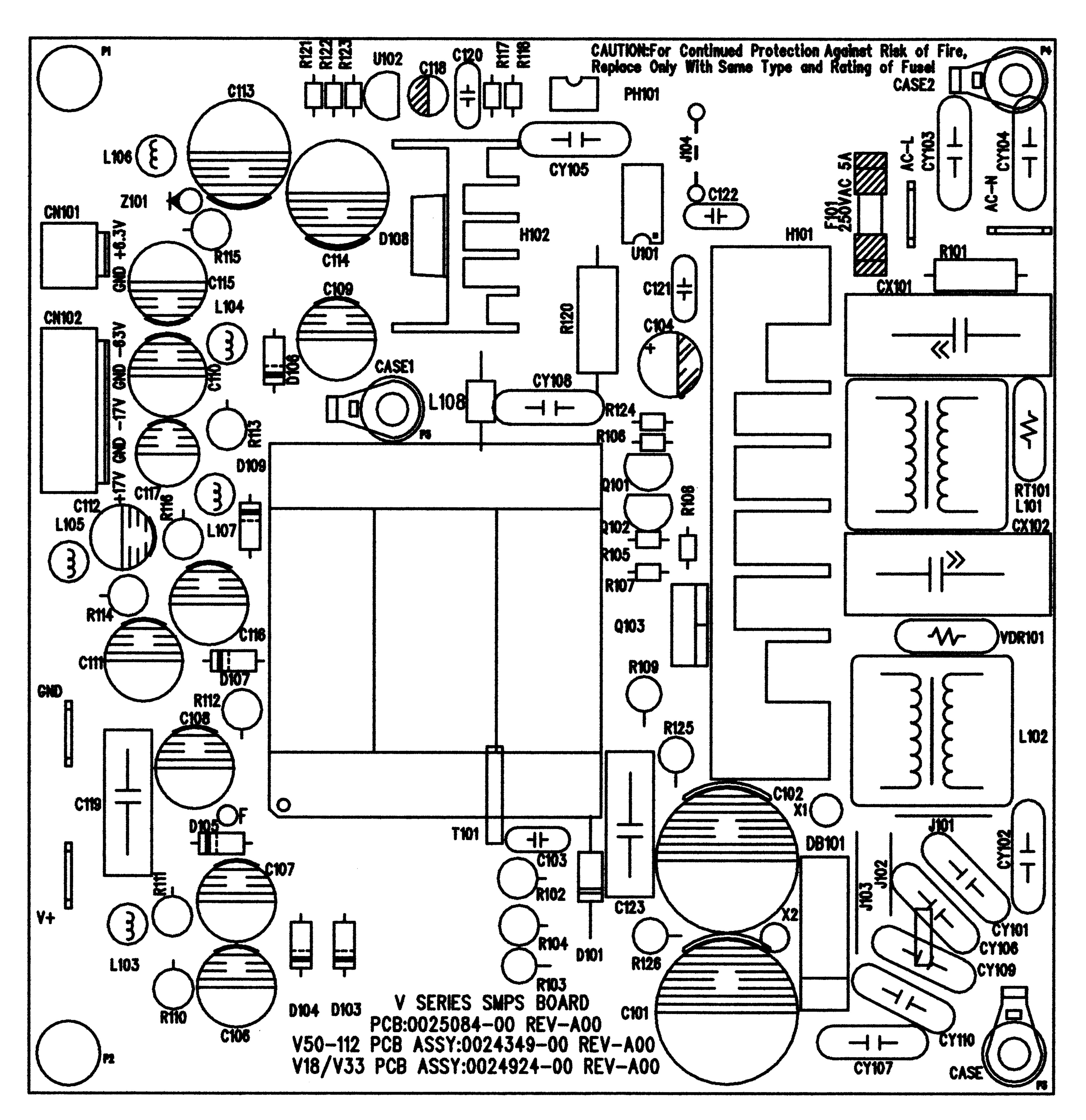


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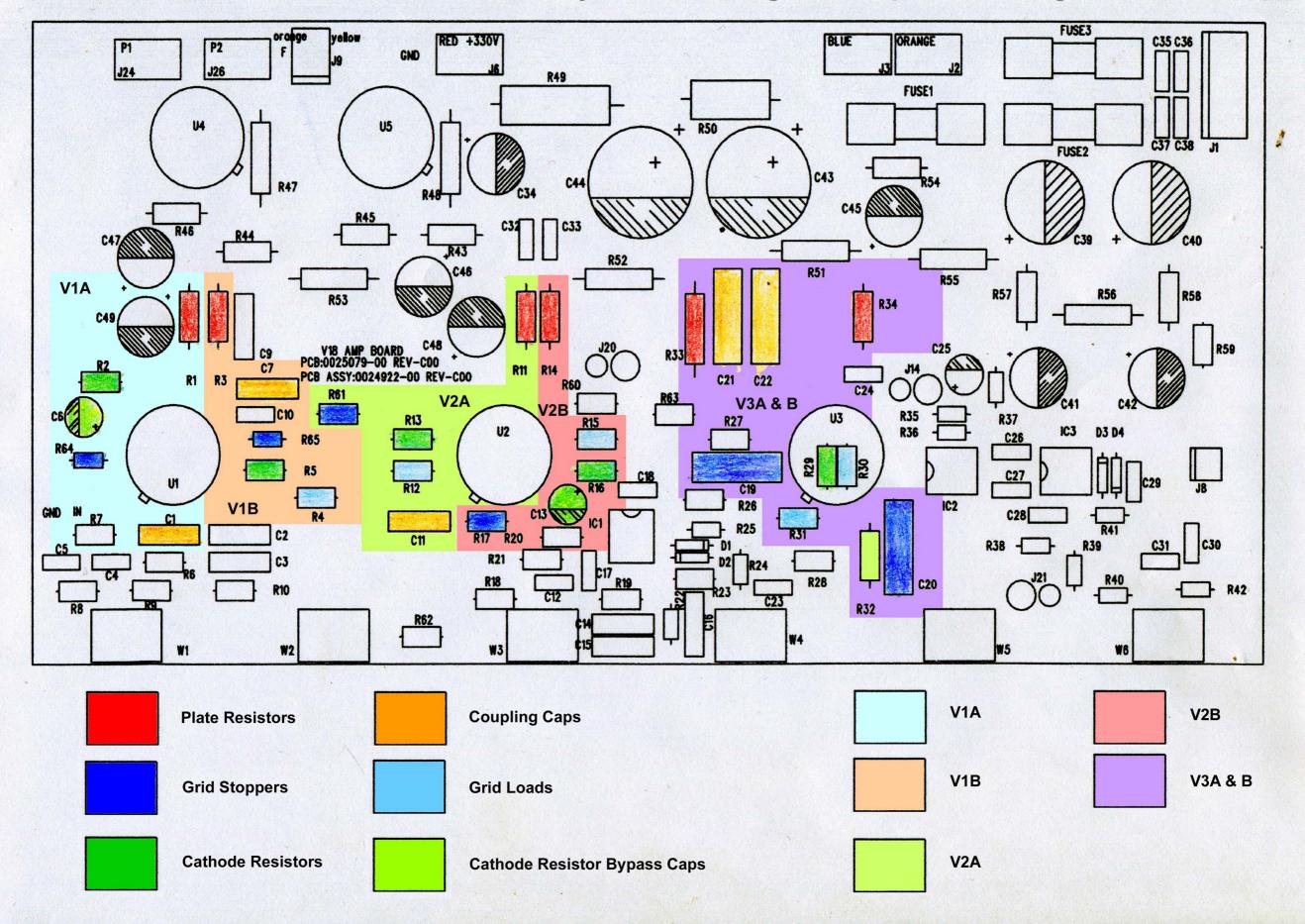




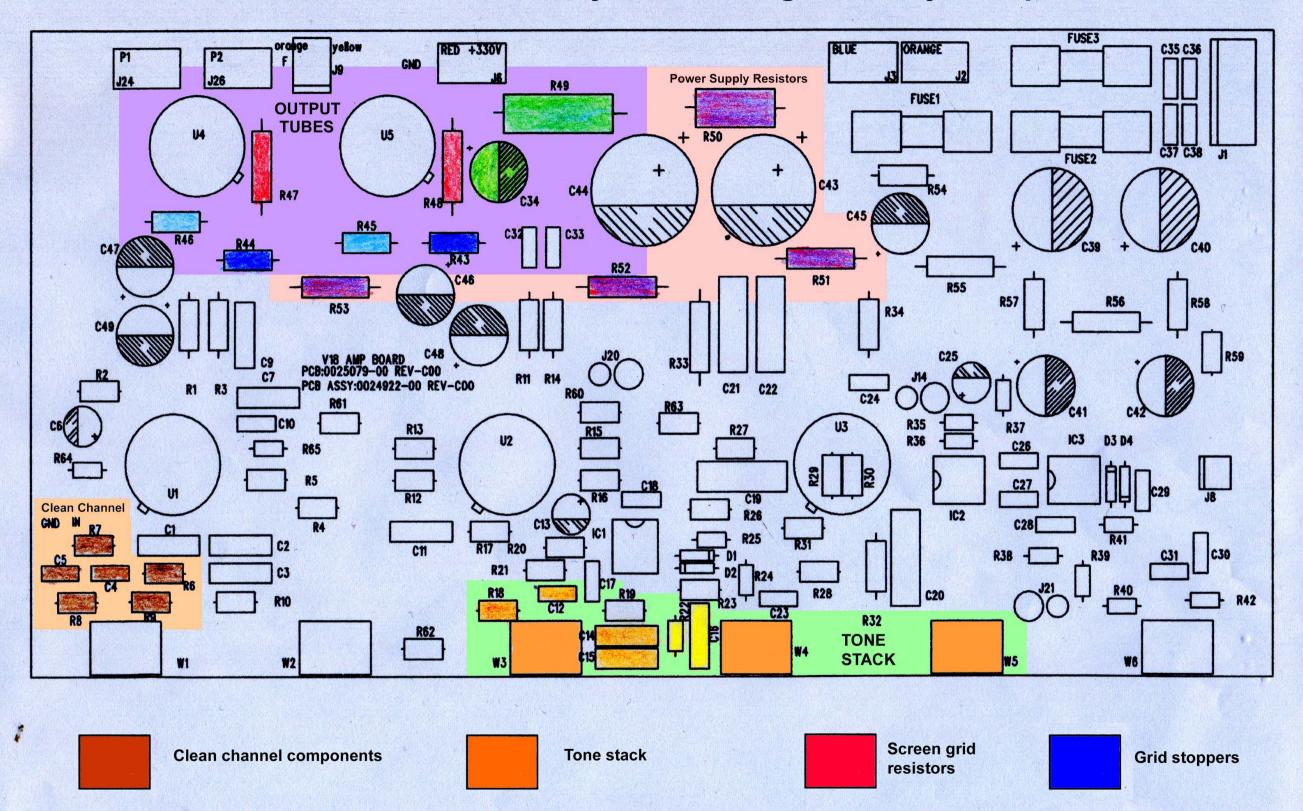




## **Crate V18 Color Coded Layout showing Preamp Tube Stages**



## **Crate V18 Color Coded Layout showing Auxiliary Components**



Mid boost network

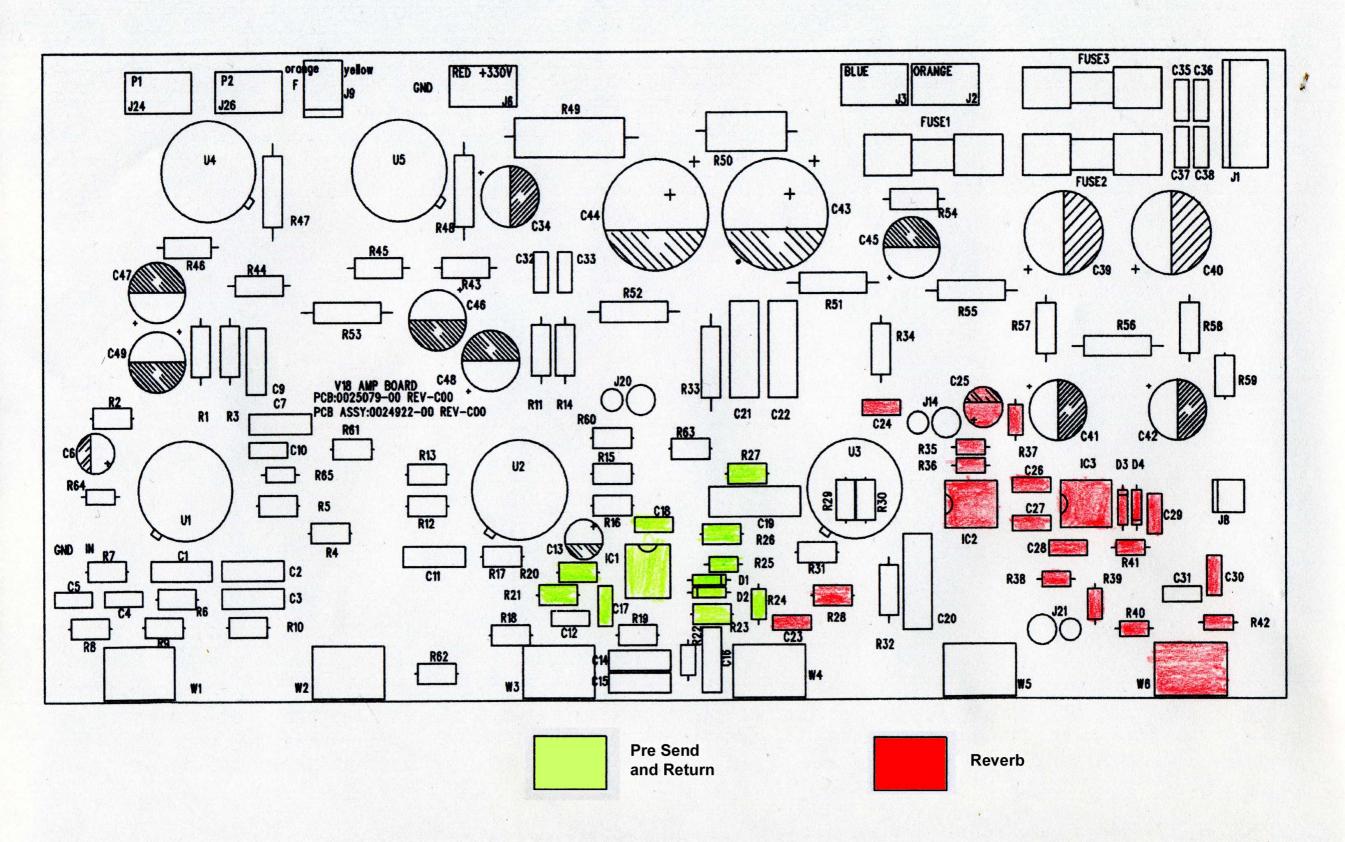
**Power supply resistors** 

Cathode res.

and bypass cap

**Grid loads** 

## Crate V18 Color Coded Layout showing solid state circuits



## Notes on Crate V18 corrected drawings:

There were many errors on the factory schematic drawings from Crate. In many cases an extra zero was added to the end of the reference numbers. The slope resistor is in fact R18 while the schematic lists it as R17. And the schematic shows a trace or jumper between the plate and the grid of the third stage.

I would have preferred to just edit the factory PDF files but they are password-protected, so I made high-resolution single bit B&W scans from 600dpi printouts. The original layout drawings were made in yellow, which would not print on my B&W laser printer but I was able to get it to print on my inkjet. I also included cropped versions of the layout drawings, which will print out with more detail.

Along with correcting the errors that I was aware of, I also moved the component labels around so that they are easier to read. I rotated the vertical text so that it is now all horizontal. In many cases I deleted wattage and voltage ratings to make the drawings easier to read; please refer to original factory drawings if you need that information. (I always use 1/2 watt or larger resistors, poly caps rated at 600+ volt, and ceramic caps rated at 1kv-why should I bother stocking anything rated than that?)

I may append a list of errors corrected later...