

Notes on repairing the Samlex 1223 / Kenwood kps-15, and possibly the Yaesu FP1023 power supply

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Please feel free reformat my clumsy styling...

I'm not sure if I should put the Ebay page in as it may change over time...
Also the image may be copyrighted, I can ask for permission if needed to use it.

I have had the Samlex 1223 23Amp power supply for several years, just the other day, I heard a "tick" and it was dead. Troubleshooting revealed that the 6.8A fuse had blown rather spectacularly, black vapor on the inside of the glass. More testing showed that the AC input bridge was OK, but that the two switching transistors, and the dual diode for the output were all shorted. At first I thought I would source the parts myself. I checked my favorite suppliers, and one of them had one part, but not the other, the other supplier had just the opposite situation. That would lead to two shipping charges (\$8.00 each) to get the parts that sell for two to three dollars each. I looked on Ebay, and found some sources, but the one that stood out was a seller that seemed to have repaired a few of these, and he included ALL the parts that could have caused, or been damaged by just about any failure in the switching part of the supply. (Not the parts in the raw-DC section.) There were 19 parts, individually packed with the circuit designator included in each little package, meaning I only had to to remove the designated parts, and replace them. It was also easy for me because the board was a single-sided board making removal easy. The best part that the cost was \$20.00, as of Feb 2022, including postage!

The real benefit to me was not paying \$16.00 for shipping, and not having to research all possible failure scenarios and then sourcing the parts.

The seller is on Ebay and uses the seller name "cpmputeckusllc"

The page is titled "Repair parts kit for SAMLEX SEC-1223..."

The page on Ebay is

<https://www.ebay.com/itm/142415928057?hash=item2128a69af9:g:RngAAOSwjRpZQsTW>

