

In order to meet isolation requirements of EV4.3.6, this board must be covered with a conformal coating. The coating should be UL94V-0 compliant and with a breakdown voltage a significant margin above the maximum accumulator voltage.

An example of such a coating is MG Chemicals 419D-340G (available from RS, no. 146-2871).

The voltage taps should be removed before the thermistors because the clip on J6 is not easily accessible until J4 is removed.

This is a 4 layer board with ground planes on the inner layers. Connecting the grounds would not have been neat on 2 layers.

