

## 150-PCA Application Notes

- 1) The board allows for two transformer configurations. Either a FWCT or FWBridge can be implemented. Transformer secondary rating for continuous 1 Amp operation are as follows:

**FWCT** - Transformer rating = 26VCT at 1.2A. Transformer connects to pads T1, T2 & T3. Jumper J2 to J3

### OR

**FWBridge** - Transformer rating = 16V at 1.8A. Transformer connects to pads T1 & T3. T2 is not used. Jumper J2 to J1

- 2) All three LED's are optional and not required for proper operation. The RED LED indicates FINAL CHARGE (**F**). The GREEN LED indicates CHARGING (**C**). Typically only these two LED's are used. The POWER LED (**P**) indicates the presence of DC voltage. Normally only used when the circuit is not powered from AC input.
- 3) The pass transistors (Q1) **MUST BE HEAT SINK MOUNTED**.
- 4) The circuit output must connect directly to a battery for proper operation. The Ra, Rb and Rc sensing networks must read the battery voltage. **DO NOT** add any voltage dropping items (other than an output fuse) in series with the output.
- 5) AC (PRIMARY) INPUT FUSE = 1/2 A fast blow. OUTPUT FUSE = 2 A fast blow
- 6) The board measures 3.4W X 2.5L X .9H inches.

