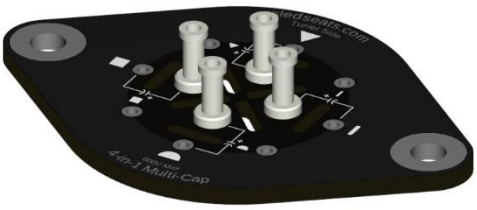
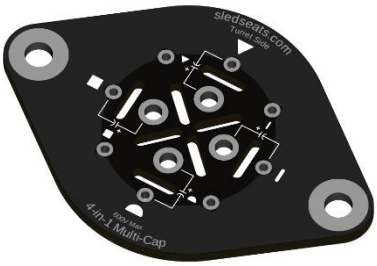
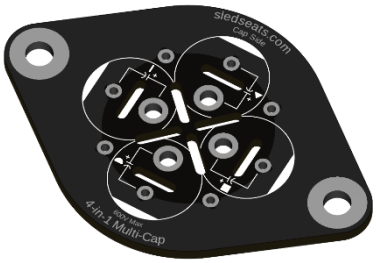
4-in-1 Multi-Cap, Chassis Grounded







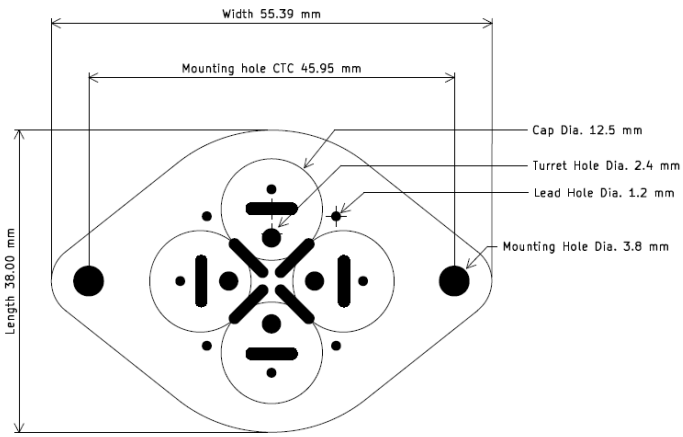
This kit is designed to replace 4-in-1 multi-section can capacitors with 46 mm CTC mounting hole spacing. These cans were frequently used in old audio and radio frequency equipment and are typically 35 to 39 mm in diameter.

A custom capacitor PCB shaped like the original mounting flange provides an elegant way to install modern production radial caps, and four robust turrets facilitate wiring the kit into your unit. An included spacer board provides a flat surface for the new caps to sit on.

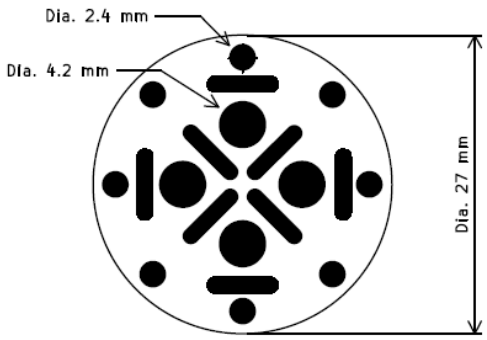
The negative leads of each cap connect to an outer copper ring which ties to both plated mounting holes, providing an easy way to connect the board to chassis ground. This covers multi-section cans where the negatives of each cap are common ("CAN NEG") and tied to ground. Thick 2-ounce copper is used to ensure very low resistance connections, and four extra pads connected to the ground ring are provided.

This board is ideal for radial caps with 5 to 7.5 mm lead spacing that are 12.5 mm or less in diameter. Larger caps can be used, but due to their size it may not be possible to use all four positions.

Per IPC-2221B table 6-1, this board should not be used in circuits that experience peak voltages greater than 450v (V1) or 600V (V2). Boards are marked for max voltage.



1.6mm thick PCB
2 oz. copper



2 mm thick PCB
No copper

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To install the soldering post turret, only one side will fit into the larger diameter holes in the center of the board.

They do not install in the outer mounting tab holes.

For the best results apply solder paste to both sides of the board. This will help solder flow around both sides of the board to secure the turret.

The long end of the turret installs from the “Turret Side” as labeled on the board.

On the capacitor side, slight squeeze the short end of the turret once it is through the slot to make it oblong.

DO NOT CLOSE THE OPENING COMPLETELY. You will need the opening on some of the board versions to insert one leg of the capacitor through.

Solder the turret in place from the “Capacitor Side”. Solder should flow to the Turret side as well.

The spacer goes on top of the “Capacitor Side” to increase clearance between the turret and body of the capacitor.

Do not solder the capacitor leg that goes through the turret yet.

Solder the ground leads of all the capacitors. This will keep it in place.

You can install the legs of your voltage divider resistors inside the turrets before installing the board.

For Multi Sector Caps that were chassis slotted, instead of mounted on the oval flange, you will need to center the board before installing resistors, mark and drill the mounting flange holes with a 5/32” drill bit.

Use painters’ tape to hold board in place while you mark holes. This board is designed to be top mounted.