

## Dual Crystal Switch

This crystal switch was used recently in a custom DC40 built in an LMB CR-425 enclosure. The switch selected either the 7030 or 7040 supplied crystals.

A sub miniature SPDT switch was used here but a miniature switch could also be used. Verify the amount of clearance space you have in your enclosure before choosing.

1. Hold the switch in a PCB vice or some other convenient clamping method
2. Fasten one insulated solid wire to the common switch terminal. Attach the Manhattan pad to the body of the switch. Note: use gelled super glue or other adhesive that doesn't flow. If the adhesive gets inside the switch... OOoops!
3. Cut one crystal lead to about 1/4 inch length. Solder it to one of the switch terminals. It works good to solder it to the outside of the terminal and the outside edge. Do the same with the other crystal on the other side of the switch. Note that the handle on the switch will point to the one selected. Consider this when mounting the assembly.
4. On the top of the assembly with the pad, position the crystal wires over and touching the pad. Snip off any excess -- about 1/8 inch here. Solder in place.
5. Solder the remaining wire to the pad. After ensuring that the wires will reach the DIP/SIPP crystal socket, clip off any extra wire and strip to about 1/4 inch.
6. After mounting the switch in position on the panel, insert the wires in the socket. The top wire is the "common" side. This is usually the side away from the active device.

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