

BEST

PCB Repair Kit

BEST Inc. PCB Repair Kits are designed to meet the quality of original trace, pad and plated thru-hole assemblies. **BEST** PCB repair kits give you the tools you need for fast repair and modification of lands, traces, contact fingers, SMT pads, plated hole connections and PCB base board material. These materials, packaged together and designed by one of the premier PCB repair companies, **BEST Inc.**, allow you to meet original PCB quality standards.

This is the most complete kit for your printed circuit board repair needs and includes not only the material required for such repairs but also professional "how to" instructional slides. It's the total package. The **BEST** Professional Repair Kit allows you to modify or repair lifted, damaged, or missing traces, lands, plated thru-holes, conductors, and edge connectors. This kit includes a selection of eyelets and funnelets, swaging tools for eyelets, a variety of circuit frames to repair or add traces, SMT pads, through hole connections and edge connectors. Each kit also contains a variety of specialty tools which, are used by both **BEST Inc** professional repair technicians and as teaching aids for the board level repair instructors. If you need to repair damaged circuit boards, this all-in-one kit is just what you need.



Lead Free Compatibility

BEST Inc. is the first provider of PCB repair kits to make sure that you can modify and repair lead free PCB assemblies. The tin finish of the **BEST** circuit frames are "lead free compatible"; they are also compatible with eutectic alloy versions.

Flexibility to Meet Your Requirements

BEST can help you become more proficient at PCB repairs by offering a wide variety of tools to reduce the amount of time spent trimming circuit frames. Choose from a large variety of our different pads, traces, contact fingers and land patterns...or let us make a specialized version for you!

The right tools for the right job

Because **BEST** PCB repair kits are designed by artisans who repair circuit boards for a living, the right tools have been included in this general PCB repair kit. The right tools include specialized stainless steel dental tools which allow you to remove a variety of hard coatings or make precision v-grooves. In addition, a small deep-throated c-clamp along with wooden popsicle sticks allow you to hold a replacement pattern down, even when the repair is oriented more towards the center of the PCB.

The right instruction

BEST Inc. PCB repair artisans have been involved in board level repairs for a combined 60 plus years. In addition, several **BEST Inc** staff members have been teaching and contributing to the procedures found in the IPC "7721 Repair and Modification of Printed Boards and Assemblies". This combined real life experience is captured through a series of "how to" slides which will guide you through the actual repair procedures. These instructions provide advanced repair technicians some "tricks of the trade" which are key when performing PCB repairs.

Epoxy Adhesive System- Proven Reliability

BEST testing has shown by using both backside micro etched circuit frames (a **BEST** standard) and the **BEST** 2-part electronics adhesive system, the bond strength of repair traces, pads and lands equals that of the original lands, pads and traces. Even under thermal air-air shock conditions from -50°C to 85°C at 30 minutes dwell time for 200 cycles this adhesive system performed well. The same cannot be said about dry film bonding systems where the reliability of repaired pads, lands and traces did not hold up to such shocking environmental conditions. While the dry film bond circuit frames do not give you a high level of adhesive performance, it does give you a faster set-up time and cleaner bonds.

BEST

3603 Edison Place, Rolling Meadows, IL 60008 • v: 847.797.9250 f: 847.797.9255 www.solder.net

Your **BEST** choice in Solder Rework/Repair, Solder Training and Soldering Tools