

# CHIP QUIK<sup>®</sup>

PATENTED

## SMD REWORK PRODUCTS

(For Lead and Lead-Free Applications)

### SMD REMOVAL

(with solder iron)

- Apply tack flux (SMD291) to all leads w/squeeze tube
- With iron melt Chip Quik<sup>®</sup> alloy on all pins
- Maintain alloy in molten state long enough to release chip
- Lift chip from board with pick-up tool

### CLEAN UP

- While applying heat with iron, use a swab dipped in flux to polish the pads until thoroughly clean
- Clean remaining residue with alcohol pad
- You are now ready to install new chip

Chip Quik<sup>®</sup> Inc.

Mashpee (Cape Cod), MA USA

Additional information on web site

[www.chipquik.com](http://www.chipquik.com)

## **SOLDERING the SMD to PC Board**

(w/solder wire & SMD291 tack flux)

- Prior to soldering the SMD to board, pads need to be clean and level.
- Apply tack flux on all pads
- Place the SMD on pads –use good lighting & magnification to insure leads are centered on pads
- Carefully hold SMD in place by pressing down with pick or tweezers
- With a tinned iron tack down 3 or more pins
- With a flat chisel tip iron (temp. controlled) apply solder as required and drag solder across all pins
- If a solder bridge is formed, use flux and solder braid to remove bridge
- Clean solder joints with isopropyl alcohol
- Inspect all solder joints for defects

### **Alternate Soldering Methods**

- Using solder paste (SMD 291AX)
  - Bottom heat & hot air method SMD SYSTEM3
- Additional information and rework tools can be found in the **ChipQuik® newsletters**

**Tech Line 508-889-8593**

**[www.chipquik.com](http://www.chipquik.com)**