



circuitworks® New Products!

CircuitWorks® Boron Nitride Heat Sink Grease

The syringe dispenser for precise application of an ultra-high efficiency, thermally conductive grease

- Provides maximum thermal conductivity with superior dielectric properties
- Silicone free compound will not harden or dry out
- Electrically insulative; noncorrosive and nonflammable
- Thermally stable from -99.4°F/-73°C to 392°F/200°C
- Exceeds MIL-C-47113 for Thermal Conductivity

Applications:

- Formulated for maximum heat transfer between circuit components and heat sinks without electrical conductivity

CW7250 3.4 g (0.12 oz)



CircuitWorks® Silicone Free Heat Sink Grease

The convenient syringe dispenser for precise application of silicone free heat-sink grease

- Silicone free compound will not harden or dry out
- Excellent thermal conductivity and dielectric properties
- Non-corrosive
- Thermally stable from -5°F/-15°C to 392°F/200°C
- Exceeds MIL-C-47113 for thermal conductivity

Applications:

- Excellent heat transfer between circuit components and heat sinks, without any silicone migration

CW7270 8 g (0.28 oz)

CircuitWorks® Nickel Conductive Pen

The pen dispenser for economically drawing conductive traces, jumpers and shielding

- Quickly creates conductive nickel traces on most surfaces; dries in minutes at room temperature
- Easy and economical to use
- Valved pen tip for easy applications

Applications:

- Economically repairs traces, links components, and shields electronics

CW2000 Standard Tip 9 g (0.32 oz)

CircuitWorks® Flex Conductive Pen

The micro-tip pen for drawing conductive traces on flexible and ITO surfaces

- Quickly creates flexible conductive silver traces on flex circuitry
- Micro tip for precise applications
- Dries in minutes at room temperature
- Highly adherent silver-based polymer system

Applications:

- Repairs conductive traces on flexible circuits and indium tin oxide components

CW2900 8.5 g (0.3 oz)

CircuitWorks® 60 Minute Conductive Epoxy

- The conveniently-packaged epoxy system with an extended pot life for high strength conductive bonds.
- Conductive silver epoxy provides excellent electrical and thermal conductivity
- Fully cured material offers high strength bonds
- Extended pot life provides sixty minute work time
- Repairs defective traces and creates jumpers on boards
- Quick solderless electronic connections

Applications:

- Longer pot life provides extended work time
- Makes high-strength solderless conductive connections

CW2460 Adhesive 10 g (0.35 oz)
Hardener 10 g (0.35 oz) in jars

CircuitWorks® Overcoat Pen

The pen dispenser for precise application of a tough protective acrylic conformal coating

- Hard, durable single component coating dries quickly at room temperature
- High dielectric strength helps prevent electrical discharge
- Protects against moisture and abrasion damage
- Meets requirements of MIL-I-46058C and IPC-CC-830A
- Choice of clear, green or blue coating

Applications:

- Insulates and protects conductive pen traces
- Repairs permanent solder mask
- Prevents shorting and arcing

CW3300B *NEW!* Blue 4.9 g (0.16 oz)

CircuitWorks® Epoxy Overcoat

The conveniently-packaged epoxy system that provides a tough, thermally stable, epoxy protective conformal coating

- Provides a hard, durable, protective green coating
- Excellent dielectric properties; help prevent electrical discharge
- Protects against moisture and abrasion
- Ideal for pre-reflow solder resist repair
- Service temperature from -55°F/-48°C to 600°F/315°C
- Meets the requirements of IPC-7721, 2.4.1

Applications:

- Ideal for repairing permanent solder mask before reflow applications
- Protects circuits and prevents shorting and arcing

CW2500 12 g (0.42 oz) total



CircuitWorks® brand's comprehensive line of conveniently packaged and precision dispensing rework and repair products makes circuit board repair and prototyping faster, easier and more accurate. Advanced-formula materials packaged in unique delivery systems ensure superior performance and pinpoint accuracy. The full range of products meets all of the technicians needs for electronics rework and prototyping — repairing, cleaning, protecting, lubricating, bonding, and restoring electrical conductivity to circuit boards and components.



CircuitWorks® Water Soluble Flux Dispensing Pen

The pen for applying water soluble flux with precision and control

- Applies a neutral pH organic water soluble flux for rapid soldering
- Chisel tip marker provides exact delivery of flux to surface
- Flux meets ANSI/IPC J-STD-004, ORH1 Classification
- Easily removed with water or Flux-Off® Water Soluble
- RoHS Compliant

CW8300 9 g (0.32 oz)

CircuitWorks® Lead-Free Flux

The convenient, easy-to-use flux for lead-free applications

- Flux is noncorrosive and halide-free
- High thermal stability
- Excellent material compatibility
- Fast drying and RoHS compliant
- Can be used for soldering with lead-free or Tin/Lead solders
- Flux passes J-STD-004 Surface Insulation Resistance Testing IPC-TM 650 Test Method 2.6.3.3

Applications:

- Printed circuit boards, chip carriers
- Surface mount device pads, switches and sockets

CW3220 32 ounces (1 qt)



CircuitWorks® No-Clean Tacky Flux

The conveniently packaged no-clean flux gel formulated for easy BGA rework

- Precision syringe applicator
- Long tack time, extended shelf life
- No refrigeration required
- Noncorrosive, halide and halogen free
- Meets IPC requirements for ROL0, No Clean
- Excellent consistency with stable viscosity
- Conforms to ISO 9454
- Meets Bellcore TR-NWT-000078 requirements
- Meets DIN EN 29454-1 1.1.3.C classification
- RoHS Compliant

Applications:

- Ideal for BGA rework applications

CW8500 3.5 gm (0.12 oz) Syringe

CircuitWorks® BA Dispensing Pens

The empty pen for easy filling, dispensing, and applying all types of liquids

- Fill with your choice of liquids; fluxes, cleaning solvents, oils, etc.
- Wide opening allows easy filling
- Wide base permits the pen to stand upright on your work bench, minimizing footprint
- Tough and durable body, valve and nib
- Anti-roll cap prevents pen from rolling off bench top

Applications:

- Portable and convenient way to apply the specific flux for your process
- Dispensing lubricants, contact preservatives or coatings
- Can be used with inks or marking materials

CW7000 2 Empty Pens per Package



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ITW Chemtronics®
Nothing Cleans Like Chemtronics!
8125 Cobb Center Drive
Kennesaw, GA 30152-4386
770-424-4888 • 1-800-645-5244
Fax: 770-423-0748 • 1-800-243-6003
www.chemtronics.com

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