**Application Profile**

**Market:** Household Appliance  
**Application Description:** Stabilizing, strengthening and securing wires attached to printed circuit boards.

![Image of household appliance and printed circuit board with wires]

**Application Method**  
3M™ Scotch-Weld™ Hot Melt Applicators, 3M™ Scotch-Weld™ Epoxy Adhesives and 3M™ Scotch-Weld™ Applicators

**Key Application Requirements**  
Quick, convenient, economical.

**Product Replaced**  
Silicones, solvent-based adhesives.

**Benefits/Advantages To Customer**

*Rigidity:* Helps reduce strain and breakage of wires during the handling of printed circuit boards. Helps reduce damage and costs and increase production time, thus extending the service life and reliability of the printed circuit board.

*Rapid set time/ease of application:* Helps reduce labor and application time.

*Thermally stable:* Resists thermal shock, holds wires secure.

*Transparent:* Increased visibility of the board markings through the adhesive.

*Adhesion:* Secures well to many wires and boards, reducing wire lifting.

**PRODUCT**

3M™ Scotch-Weld™ Hot Melt Adhesive  
3M™ Scotch-Weld™ Epoxy Adhesives

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3M Industrial and Transportation Business
Market: Appliance

Application Description: Used for wire stabilization – strengthening and securing wires attached to printed circuit boards.

Process

Wire Reinforcement

Helps reduce wire breakage in the handling, packaging and use of printed circuit boards. Helps reduce damage and extend service life of the board.

Other Applications

Reinforce wire from motor

Wire tacking on printed circuit boards

Helps prevent case breakage.

Quick, convenient, low-cost method to fasten rework wires, jumper wires, etc., at corners and along lengths to help prevent movement. Jumper wires are added to redirect circuits or repair a printed circuit board. Secure attachment of jumper wires helps improve the appearance and quality of the repaired PCB.

Product

3M™ Scotch-Weld™ Hot Melt Adhesive 3748VO

3M™ Scotch-Weld™ Epoxy Adhesive DP-190

Advantages

Flexible, allows wires to flex and be secure during board assembly; UL94VO listed.

Flexible, impact and shock resistant.

SIC Codes

3631 – Household Cooking Equipment

Key Decision Makers

Manufacturing and Production Engineers
Market: Appliance

Application Description: Used for wire stabilization — strengthening and securing wires attached to printed circuit boards.

For Additional Information


Product Use

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