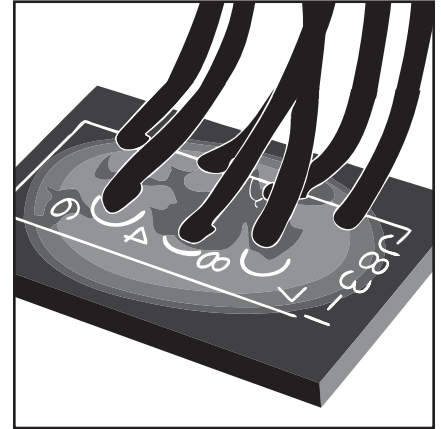
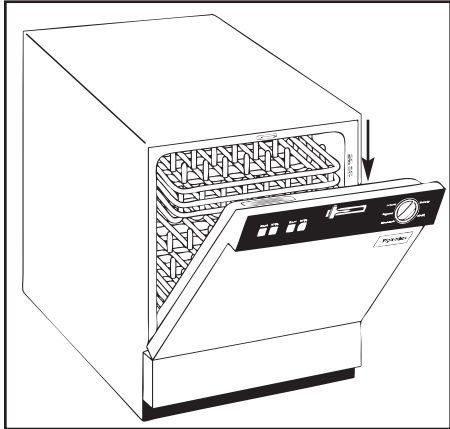


# 3M Application Profile

**Market:** Household Appliance

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



## 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

**Market:** Appliance

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

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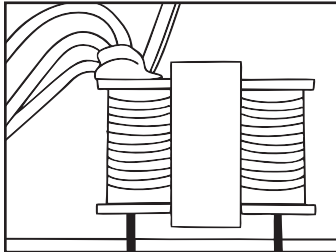
## Process

### 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.

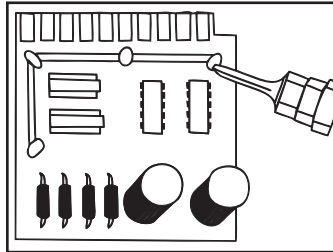
### Other Applications

#### Reinforce wire from motor



*Helps prevent case breakage.*

#### Wire tacking on printed circuit boards



*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.

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**For Additional Information**

To request additional product information or to arrange for sales assistance, call 1-800-362-3550. Address correspondence to: 3M Industrial Business Customer Response Center, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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**Product Use**

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**Industrial and Transportation Business**

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