Application Profile

Market: Household Appliance

Application Description: Stabilizing, strengthening and securing wires attached to printed circuit boards used with control systems on ranges.

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

3M Industrial and Transportation Business
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

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 to improve the appearance and quality of the repaired PCB.

Helps prevent case breakage.

Product

3M™ Scotch-Weld™ Hot Melt Adhesive 3748VO
3M™ Scotch-Weld™ Epoxy Adhesive DP-190

Advantages

Flexible; allows wires to bend and be secure during board assembly.

Flexible; impact and shock resistant.

Helps prevent case breakage.

Industrial and Transportation Business

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