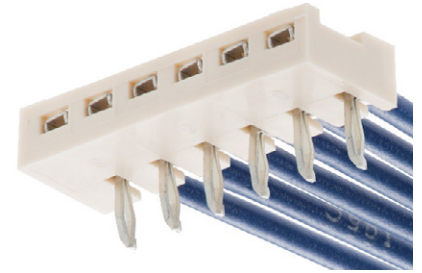


2.50mm New Board-in Connector

2.50mm Pitch Housing, 2 to 6 circuits

molex

The 2.50mm New Board-in Connectors product line, designed for automotive and industrial applications, complies with major industry standards and features improved terminal pin position and wider operating temperature ranges



Features and Advantages

Larger wire accommodation

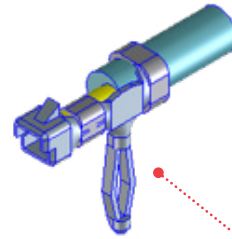
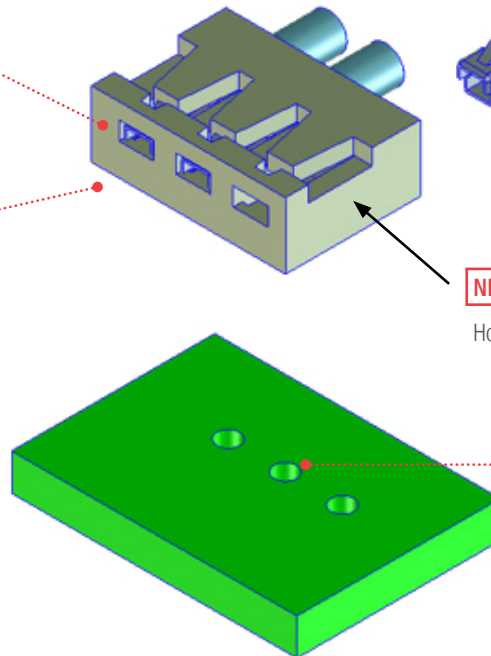
Adopts automotive wire specifications (FLRY 0.22mm², 0.35mm²)

Crimp Terminal (existing)
35021-1001/1160

2.50mm New Board-in Connectors

One-piece molded housing

Facilitates assembly; saves space; reduces material costs



Improved terminal pin position

Enables better assembly efficiency by operator

NEW

Housing Polyamide material

Wider operating temperature range

Meets automotive and industrial market needs

Compatible PCB hole and pattern

Allows existing board-in connector customers to retain PCB pattern

Applications

Automotive

- Infotainment
- Automotive lighting

Medical

- Patient monitoring

Industrial

- Factory machines
- Power tools
- Security systems

Home Appliances

- HVAC systems
- White goods



White Goods



Automotive Infotainment



Patient Monitoring



Security Systems



Factory Machines



Automotive Lighting

2.50mm New Board-in Connector

2.50mm Pitch Housing, 2 to 6 circuits

Specifications

REFERENCE INFORMATION

Packaging:
Terminal: Reel
Housing: Bag
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes

ELECTRICAL

Voltage (max.): 125V
Current (max.): 3.0A
Contact Resistance (max.): 5 milliohms
Dielectric Withstanding Voltage: 1,000V AC (rms)
Insulation Resistance (min.): 1,000 Megohms

PHYSICAL

Housing: Polyamide (natural), ivory
Terminal:
Brass (pre-plating)
Phosphor Bronze (post-plating)
Applicable Wire: FLRY 0.22mm², 0.35mm²
Resin Material: Nylon, UL94V-0
Plating:
Contact Area — Tin-plated
Operating Temperature: -40 to +125°C

Ordering Information

Order number	Description	Packaging
212415-0200	2.50mm New Board-in Connector Housing, 2 Circuit	Poly Bag
212415-0300	2.50mm New Board-in Connector Housing, 3 Circuit	
212415-0400	2.50mm New Board-in Connector Housing, 4 Circuit	
212415-0500	2.50mm New Board-in Connector Housing, 5 Circuit	
212415-0600	2.50mm New Board-in Connector Housing, 6 Circuit	

www.molex.com/link/boardin.html

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.