# 2.50mm Board-in Connector

molex

The 2.50mm 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

2.50mm Board-in Connectors

Features and Advantages

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

Crimp Terminal (existing) 35021-1001/1160

2.50mm Board-in Connectors

One-piece molded housing
Facilitates assembly; saves space; reduces material costs
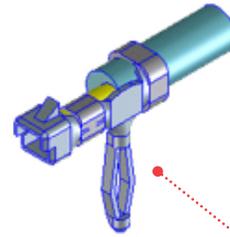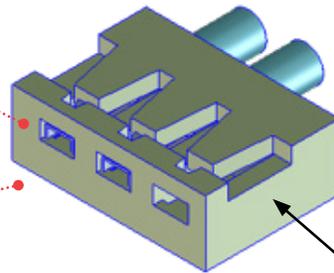
NEW

Housing Polyamide material

Improved terminal pin position
Enables better assembly efficiency by operator

Wider operating temperature range
Meets automotive and industrial market needs
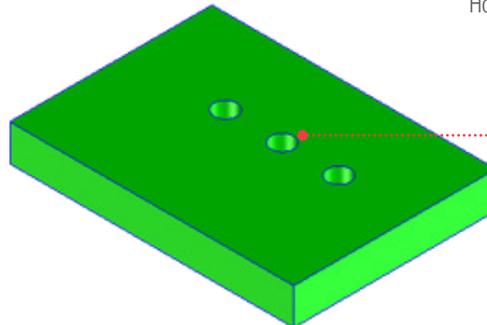
Compatible PCB hole and pattern
Allows existing board-in connector customers to retain PCB pattern

Markets and Applications

Automotive
  Infotainment
  Automotive lighting
Medical
  Patient monitoring
Industrial
  Factory machines
  Power tools
  Security systems
  HVAC systems
Home Appliances
  White goods

White Goods

Automotive Infotainment
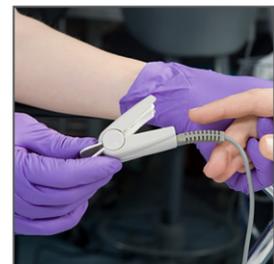
Patient Monitoring

Security Systems

Factory Machines

Automotive Lighting

2.50mm Board-in Connector

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 Board-in Connector Housing, 2 Circuit	Poly Bag
212415-0300	2.50mm Board-in Connector Housing, 3 Circuit	
212415-0400	2.50mm Board-in Connector Housing, 4 Circuit	
212415-0500	2.50mm Board-in Connector Housing, 5 Circuit	
212415-0600	2.50mm Board-in Connector Housing, 6 Circuit	

www.molex.com/link/boardin.html