MINITEK® 1.50MM CONNECTOR SYSTEM
Single row

Amphenol FCi

MODULAR AND COMPACT SOLUTION

Minitek® 1.50mm is a secure and space saving solution for devices that enables connector to carry more signal lines in less space. It is designed with a positive locking system and "audible click" for secure mating retention.

- Saves space with a 1.50mm pitch
- Fully isolated terminals prevents terminals from potential damage
- Housing with positive locking ensures secure mating retention
- Polarized mating geometry and "audible click" prevents accidental mismating
- High retention force in housing secures terminals in housings

TARGET MARKETS

FEATURES	BENEFITS
1.50mm pitch Wire–to–Board	Reduces PCB footprint; space saving
Fully isolated terminals	Prevents terminals from potential damage
Housing with positive locking	Ensures secure mating retention
Polarized mating geometry and "audible click"	Prevents accidental mismating
High retention force in housing	Secures terminals in housings
UL94V–0 flammability rated nylon material	High flammability rating
RoHS compliant and Lead–Free	Meets health and safety requirements
Halogen–free resin material	Meets environmental requirements

TECHNICAL INFORMATION

MATERIAL

- Insulation: High Temperature Thermoplastic, Natural color, UL94V–0
- Terminal for Crimping: High Current Alloy with Tin plating

MECHANICAL PERFORMANCE

- Terminal Mating/Unmating Force: Refer to product specification
- Durability: 30 mating cycles

APPROVALS AND CERTIFICATIONS

- UL pending

PACKAGING

- Receptacle: Tape/Reel
- Plug Housing: Bag
- Terminal: Reel

ELECTRICAL PERFORMANCE

- Low Level Contact Resistance: 20mΩ max.
- Insulation Resistance: 500MΩ min.
- Voltage Rating: 100VAC/DC
- Current Rating:
  - 2.0A for 24AWG wires
  - 1.5A for 26AWG wires
  - 1.0A for 28AWG wires
- Dielectric Withstand Voltage: 500VAC

ENVIRONMENTAL

- Operating Temperature: –40°C to +125°C

SPECIFICATIONS

- Product Specification: GS–12–1321, GS–20–0444
- Packaging Specification: GS–14–2471

TARGET MARKETS/APPLICATIONS

Interior Mirror
Telematics
Entertainment System

LCD TV
CCFL Inverter Board
Button Control Panel

Smart Meter
Smart Grid Gateway

PART NUMBERS

Description	Part Numbers
Minitek® 1.5mm vertical SMT receptacle	10135177
Minitek® 1.5mm right angle SMT receptacle	10136353
Minitek® 1.5mm plug housing	10135175
Minitek® 1.5mm plug terminal	10135176

BWBMNT15MM1015EA4

For more information,
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Disclaimer

Please note that the above information is subject to change without notice.