



Minitek[®] 1.5mm Connector System

Product Presentation

Amphenol
FCi

Minitek® 1.5mm Connector System

Agenda

- Value Proposition
- Product Overview
- Product Specifications
- Features & Benefits
- Markets & Applications
- Collaterals

Minitek® 1.5mm Connector System

Value Proposition

- AFCI's Minitek® 1.5mm is the ideal solution for devices that require connectors with **robust features** and the ability to **carry more signal lines in less space** .
- The Minitek® 1.5mm solution is designed with a positive locking system that provide **secure mating** retention and an **“audible click” to confirm the mating**.
- The Minitek® 1.5mm solution includes terminals, crimp housings and PCB headers in right angle and vertical surface mount configurations in a single row design, available from 2 to 15 circuits.
- The Minitek® 1.5mm solution can carry on up to 2.0A with AWG 24 and is capable to accommodate wire range from 24 to 28 AWG.
- AFCI offers a **complete service** to our customers including the cable assembly solutions.

Minitek® 1.5mm Connector System

Product Specifications

Product Facts

- Provides space savings
- Fully isolated terminals
- Positive locking on Housing with low thumb latch operation
- Fully polarized housings
- Housing High retention force
- Available in UL94V-0 flammability
- RoHS compliance and Lead-free
- Halogen-free resin material
- Tape and Reel with pick up cap packaging

Specifications

Pitch	1.5mm
Pin Count	2 to 15
PCB Termination	Surface Mount
Header Direction	Vertical and Right Angle
Plating	Tin
Approvals	UL pending

Performance Characteristics

- Current Rating : 2.0A (AWG 24 wires)
 - 1.5A (AWG 26 wires)
 - 1.0A (AWG 28 wires)
- Insulation Resistance: 500MΩ min.
- Voltage rating: 100VAC/DC
- Low level Contact Resistance: 20mΩ max.
- Mating Force: available on the product spec.
- Unmating Force : available on the product spec.
- Durability : 30 cycles
- Operating temperature range : -40°C ~ +125°C

Materials

- Insulation : High temperature thermoplastic ,
- Natural color, UL94V-0
- Terminal for crimping High Current Alloy with Tin plating

Technical Documents

- Product Spec :GS-12-1321
- Packaging Spec. :GS-14-2471
- Application Spec :GS-20-0444

Minitek® 1.5mm Connector System

Features & Benefits

Features	Benefits
1.5mm pitch Wire to Board	Provides space savings
Fully isolated terminals	Prevents terminals from potential damage during operation
Housing with Positive locking	Ensure secure mating retention
Polarized mating geometry	Prevents accidental mis-mating
High retention force in Housing	Well secures terminals in housings
Available in UL94V-0 flammability rated nylon	High flammability rating
RoHS compliance and Lead-Free	Meets environmental, health and safety requirements
Halogen-free resin material	Meets environmental requirement

Minitek® 1.5mm Connector System

Main Markets & Applications

- **Automotive**
 - Head lamps
 - Homelink modules
 - Interior mirrors
 - Telematics
 - Tracking modules
- **Consumer**
 - Gaming Machines
 - LCD and TV panel
- **Industrial**
 - Fixed and hand-held scanners
 - Ruggedized industrial network modules
 - Scales
 - Smart meters
 - Smart Grid Gateway
 - Commercial lighting fixtures
 - LED light modules
 - Office down light

Minitek® 1.5mm Connector System

Main Markets & Applications

Interior Mirror



Telematics: Music System

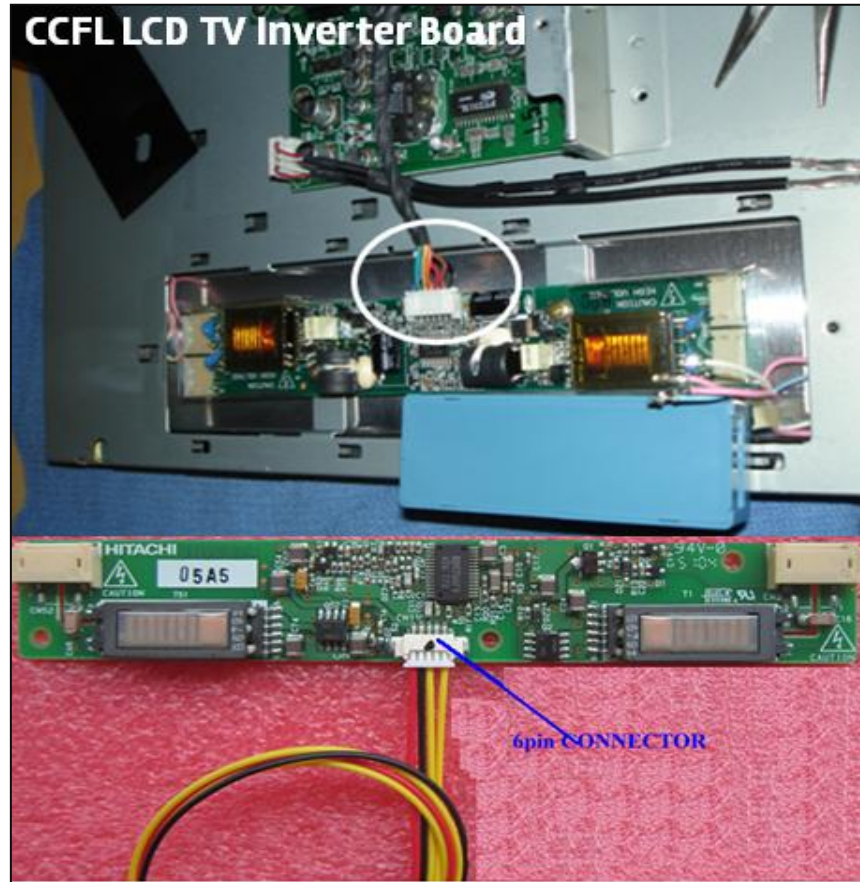
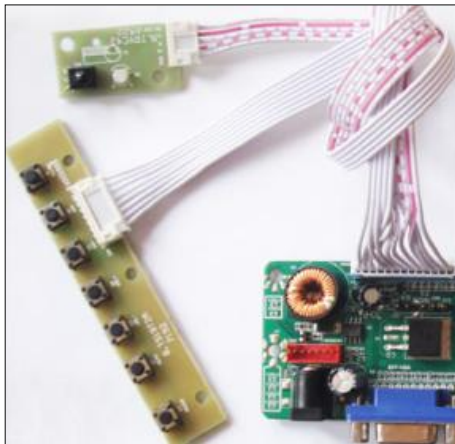


Minitek® 1.5mm Connector System

Main Markets & Applications



Button Control Panel



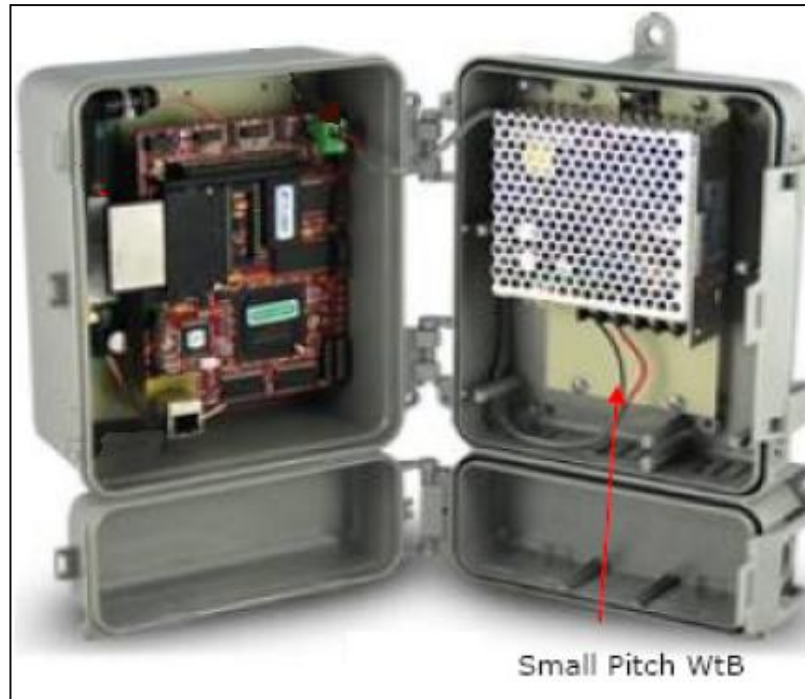
Minitek® 1.5mm Connector System

Main Markets & Applications

Smart Meter



Smart Grid Gateway



Minitek® 1.5mm Connector System

Main Markets & Applications

Instrumentation : Oscilloscope



Minitek® 1.5mm Connector System

Collaterals

Available on FCI.com:

- Technical Data Sheet
- Part Numbers & Drawings



THANK YOU

Amphenol
FCi