Minitek® Board-In 2.00mm / 2.50mm

Product Presentation

Amphenol Information Communications and Commercial Products

FCi Basics

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Minitek® Board-In
Agenda

- Value Proposition

- Solution Overview

- Product Specifications

- Features & Benefits

- Part Number

- Target Applications & Accounts

- Marketing Tools

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Minitek® Board-In
Value Proposition

- Minitek® Board-In connector system is a flexible solution designed for **cost efficient & permanent Wire-to-Board applications.**

- Minitek® Board-In is a one-piece direct solder to Board solution that **provides space and cost savings compared to a two-piece connection system.**

- The connector system is currently offered in **2-16 positions and 2.00mm & 2.50mm pitch**.

- It covers **vertical and horizontal applications.**

- Minitek® Board-In is ideal for applications in the following markets: **Consumer, Datacom, Industrial & Instrumentation, Automotive**
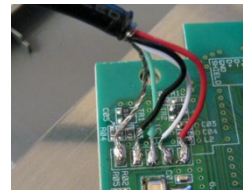
Amphenol ICC
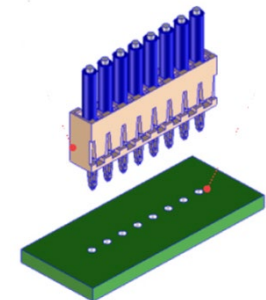
3 Ways to connect "Wire to Board"

1. Two-piece solution:
   Pin Header + Receptacle
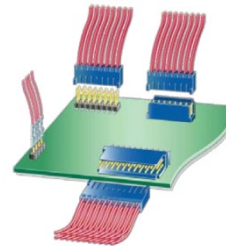
Property	Rating
Price	●○○
Quality	●●●
Density	●●●
Serviceability	●●●

2. Direct welding on PCB

Property	Rating
Price	●●●
Quality	●○○
Density	●○○
Serviceability	○○○

3. One-piece solution:
   Minitek® Board-In connection

   Perfect for simple, reliable and permanent Connections!

Property	Rating
Price	●●○
Quality	●●●
Density	●●●
Serviceability	●○○

Minitek® Board-In
Product Specification
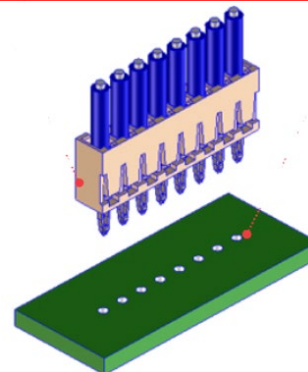
Performance Characteristics
2.00mm / 2.50mm

- Current Rating: 2.0A / 3.0A per contact
- Voltage Rating: 250VAC/DC
- Applicable wire: AWG#24-26 / AWG#22-26
- Insulation O.D.: 1.30mm / 1.70mm max.
- PCB termination : Through Hole
- Vertical and horizontal configuration

Environmental

- Operating temperature: -40°C ~ 105°C

Technical Documents

- Product Spec.: GS-12-1594 / GS-12-1595
- App Spec.: GS-20-0631 / GS-20-0632

Materials

- Flameability: UL94V-0
- Housing: PA66
- Terminal: Phosphor Bronze (tin plating)

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Minitek® Board-In
Features & Benefits

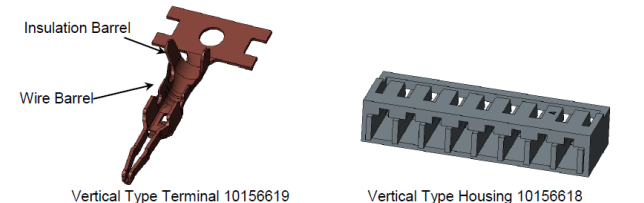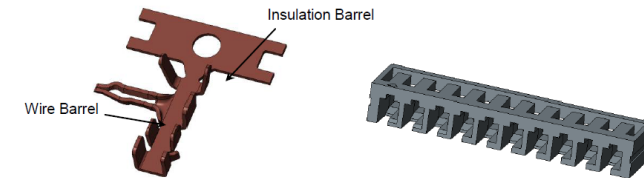| Features	Benefits
Accepts standard through hole soldering methods	More reliable compared to hand soldering
One-piece direct solder-to board assembly	Provides space and cost saving compared to the two-piece connection system.
Two pitches, multiple circuit sizes	Design flexibility
Vertical & horizontal configuration	Suitable for applications with limited space
Terminal and housing locking features	Secure connection

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Minitek® Board-In
Part Numbers

number of pins (02-16)

Pitch mm	Configurations	Part numbers
2.00	Vertical	10156614-xx00LF
	CTW Vertical	10156615-2001LF
	Right Angle	10156612-xx00LF
	CTW Right Angle	10156613-2x01LF

1: AWG#22-24
2: AWG#24-26
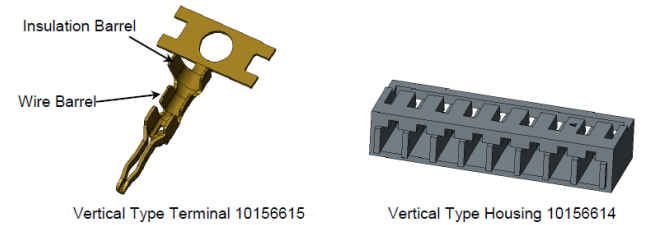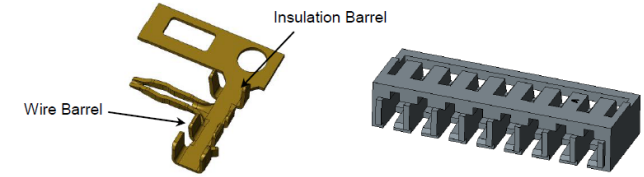
Pitch mm	Configurations	Part numbers
2.50	Vertical	10156618-xx00LF
	CTW Vertical	10156619-2001LF
	Right Angle	10156616-xx00LF
	CTW Right Angle	10156617-2001LF

Insulation Barrel
Wire Barrel
R/A Type Terminal 10156613

R/A Type Housing 10156612

Insulation Barrel
Wire Barrel
Vertical Type Terminal 10156615

Vertical Type Housing 10156614

Insulation Barrel
Wire Barrel
R/A Type Terminal 10156617

R/A Type Housing 10156616

Insulation Barrel
Wire Barrel
Vertical Type Terminal 10156619

Vertical Type Housing 10156618

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Minitek® Board-In
Target Applications

Infotainment
Lighting

Base Stations
Telekom Box
WiMax Box
Rack Box

Set Top Box
HVAC
White Goods
Home Entertainment

Servers
Desktops
HDD
Monitors

Factory Automation
Power Tools
Security Systems

FCi Basics

- Samples available

- Demo box

- Cross list available

- Hand tool part number: 10157534 (App. spec: GS-20-0631 / GS-20-0632)

- Available on our website
  - Drawings
  - 3D Models
  - Datasheet
  - Product specifications
  - Product presentation

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Thank you