Minitek® 0.80mm Wire to Board

Product Presentation

Amphenol Information Communications and Commercial Products

FCi Basics

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Agenda

- Value Proposition
- Product Specifications
- Features & Benefits
- Part Numbers
- Markets & Application

Value Proposition

Minitek® 0.8mm is finest pitch wire-to-board applications.
It is the ideal solution for devices that require compact and low Profile connector. With wire gauge range from 28 to 32 AWG. Available in single row and 2 to 20 circuits.

Crimp, snap-in header and receptacle contacts are used to terminate 28AWG-32AWG wires. Header and receptacle housings allow Wire-To-Board configurations. Available in vertical and R/A component. These IR reflow soldering headers are available in surface mount configurations

Product Specifications

Product Facts

- Wire-to-board connectors with 0.8mm centerline.
- Single row, 2-20 positions
- Solution Vertical / Right Angle SMT pin header
- Available in UL94V-0 flammability rated LCP
- Products are lead free to help promote a cleaner environment
- UL approved

Performances

- Current Rating ：Up to 1A
- Insulation Resistance ：100M ΩMin
- Voltage rating ：500V rms

Environmental

- Operating temperature range：-40ºC to +85ºC

Mechanical Performances

- Mating Force ： Refer to product spec.
- Unmating Force：.Refer to product spec.
- Durability ： 30 cycle

Mechanical Performances

- Product Spec ： GS-12-1444
- Package Spec ： GS-14-2616

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Features & Benefits

Features	Benefits
0.8mm pitch wire-to-board solution	Saves space with reduced PCB footprint
Low profile design	Save PCB space
UL94V-0 flammability rated LCP material	High Flammability rating
RoHS compliant and lead-free	Meets health and safety requirement
Halogen-free resin material	Meets environmental requirement

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Part Numbers

FCi Basics

AFCi P/N	Configuration	Row	Positions	Plating	Product View
10144042	Vertical SMT	Single	2-20	Tin Gold Flash	
10144041	R/A SMT	Single	2-20	Tin Gold Flash	
10145492	Receptacle HSG	Single	2-20	N/A	
10145493	Femal Terminal	N/A	N/A	Tin Gold Flash	

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Application

- Office Equipment
- Test & Measurement
- Point-of-Sales Terminal
- Portable Industrial Terminal

- Routers and IP Phones

- Server

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THANK YOU