Minitek® Pwr 5.7

Product Presentation

Amphenol Information Communications and Commercial Products

≡FCi Basics

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Agenda

1. Value Proposition
2. Product Specifications
3. Features & Benefits
4. Part Numbers
5. Markets & Application

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Minitek® Pwr 5.7
Value Proposition

- Minitek® Power 5.7mm is a flexible and comprehensive solution designed for high power application with current rating up to 23A per circuit, available in dual row and 2 to 24 circuits.

- Crimp, snap-in header and receptacle contacts are used to terminate 16AWG - 12AWG wires. Header and receptacle housings allow wire-to-board applications and are available in vertical configuration. IR reflow soldering headers are available in through-hole termination.

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Product Facts

- Wire-to-board connectors with 5.7mm centerline
- Easy mate and unmate with positive latch design
- Dual row, 2-24 positions
- Solution vertical / through hole pin header
- Available in UL94V-0 flammability rated LCP
- Products are lead free and Halogen Free to help promote a cleaner environment
- UL and TUV approval
- Available Glow Wire Compatible

Performances

- Current Rating: Up to 23A
- Insulation Resistance: 1000M Ω min.
- Voltage Rating: 600V rms

Environmental

- Operating temperature range: -40ºC to +105ºC

Mechanical Performances

- Mating Force:
  Tin plated: 6.8N / Gold plated 6.0N per circuit max.
- Unmating Force:
  Tin plated: 6.5N / Gold plated 5.6N per circuit max.
- Durability:
  Tin plated 25 cycle / Gold plated: 200 cycles

Mechanical Performances

- Product Specification: GS-12-1405
- Package Spec ification: GS-14-2595

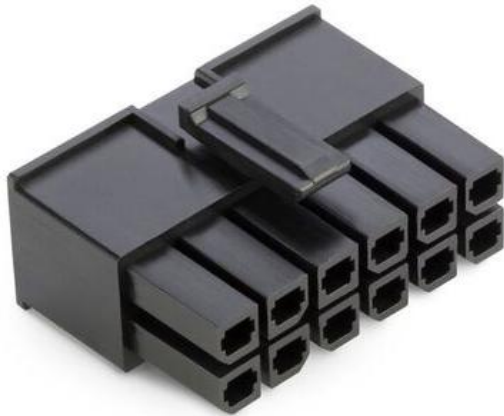# Minitek® Pwr 5.7
Features & Benefits

FCi Basics

Features	Benefits
▪ High current alloy material used for contact	▪ Rated up to 23A per contact
▪ Positive locking on housing with low thumb latch operation	▪ Ensures secured mating retention
▪ High retention force in housing	▪ Well secured terminal in housing
▪ Post-plated terminal	▪ Prevents environmental corrosion such as salt spray and gas corrosion
▪ Glow wire compliant	▪ Complies with International Standard IEC 60335-1 for household appliances
▪ 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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Receptacle Housing
10142707

Crimping
Terminal
10143250

Vertical PCB
Header,
Through Hole
10142708

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Minitek® Pwr 5.7
Main Markets & Applications

- Commercial Vehicle
- Lighting and automation
- Machinery and heavy equipment
- HVAC systems
- Power supplies
- Fan modules
- Security systems
- Traffic control devices

- 1U Rack Box
- Customer Premises Equipment
- Generic Telecom Box
- Interface Converter
- WiMax Box

- HDD
- Rack- Mount Server
- Server
- Desktop PC and Mother Board

- Set Top Box
- Refrigerator
- Air Conditioning

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THANK YOU