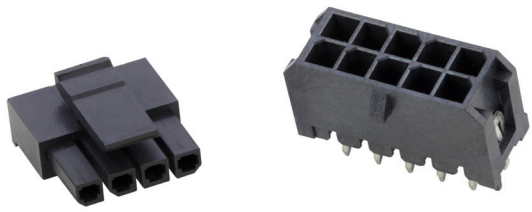
Micro Power 3.0 Connector System – G881 Series

MICRO POWER CARRIES 6.5A PER PIN FOR WIRE–TO–BOARD APPLICATIONS

Micro Power 3.0 connector system is a 3.00mm pitch power connector designed for wire–to–board applications. It is mainly used for power applications and supports current rating up to 6.5A per pin and wire gauge range from 30–20AWG. It comes in 2 to 24 circuits for dual row and 2–12 circuits for single row.

Low insertion force and BMI (Blind Mating) versions are also available.

- Current rating up to 6.5A per pin
- 2 to 24 circuits for dual row and 2–12 circuits for single row
- BMI and Low insertion force type available
- Through hole, SMT, press fit termination options available



TARGET MARKETS



FEATURES

- Compact power connector with current rating of 6.5A per pin
- Single and dual row option
- Through hole and SMT option
- Scoop–proof housings
- Fully isolated pins
- High temperature LCP housing meets UL94V–0

BENEFITS

- Certified by EIA (Energy Information Administration) and UL
- Different configurations to meet a variety of application needs
- Prevents mismating between header and receptacle
- Protects contacts against potential damage during handling and mating
- Meet safety requirements and able to withstand high temperatures

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TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature thermoplastic, complies with UL 94V–0, Black and Natural option
- Contact: Copper alloy, selective Gold plating on contact area, 100µin tin plated on soldering tail, 50µin min nickel under–plated overall

MECHANICAL PERFORMANCE

- Insertion Force: 8N max. per pin
- Extraction Force: 2N min. per pin
- Terminal Retention Force in Housing for Cable Assembly: 24.5N min.

ELECTRICAL PERFORMANCE

- Current Rating: 6.5A per contact
- Contact Resistance: 30mΩ
- Voltage: 250V AC

ENVIRONMENTAL

- Humidity:
  - Contact Resistance
  - R=+20mΩ max.
- Thermal Aging:
  - No evidence of damage
  - Contact Resistance
  - R=+20mΩ max.
- Salt Spray:
  - Contact Resistance
  - R=+20mΩ max.
- Cold Resistance:
  - R=+20mΩ max.

PACKAGING

- Tape and Reel
- Tray

APPROVALS AND CERTIFICATIONS

- UL
- EIA

SPECIFICATION

- Amphenol Product Specification: PS–7381

TARGET MARKETS/APPLICATIONS


Telecommunications


Drone


Data Center
Server
Storage


Industrial


Medical

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

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PART NUMBERS

Description	Pitch	Part Numbers
Micro Power, Header Straight DIP type	3.0mm	G881AXX1X1EU
Micro Power, Header Straight DIP type	3.0mm	G881AXX1X2CEU
Micro Power, Header Straight DIP type	3.0mm	G881AXX1X2T1EU
Micro Power, Header Straight DIP type	3.0mm	G881AXX1X2T3EU
Micro Power, Header Straight DIP type	3.0mm	G881AXX1X2T4EU
Micro Power, Header Right Angle DIP type	3.0mm	G881AXX0X1C2EU
Micro Power, Header Right Angle DIP type	3.0mm	G881AXX0X1TEU
Micro Power, Header Right Angle DIP type	3.0mm	G881AXX0X1TRCEU
Micro Power, Header Right Angle DIP type	3.0mm	G881AXX0X1TXEU
Micro Power, Header Right Angle DIP type	3.0mm	G881AXX001CEU
Micro Power, Cable Housing	3.0mm	G881HXX22CEU
Micro Power, Cable Terminal	3.0mm	G881C0X32CEU

CMIOMICROPWR0822EA4

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