

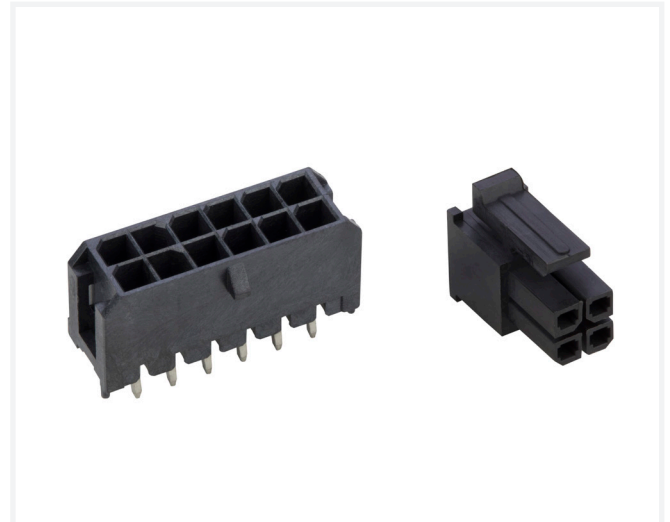
Micro Power Plus 3.0 Connector System – G88MP Series

MICRO POWER PLUS CARRIES 12.5A PER PIN FOR WIRE-TO-BOARD APPLICATIONS

Micro Power Plus 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 12.5A per pin and wire gauge range from 30–16AWG. It comes in 2 to 24 circuits for dual row and 2–12 circuits for single row.

Low insertion force version is also available.

- Current rating up to 12.5A per pin
- 2 to 24 circuits for dual row and 2–12 circuits for single row
- Low insertion force type available
- Boardlock, SMT, Through hole termination options available



TARGET MARKETS



FEATURES

- Compact power connector with current rating of 12.5A 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 mismatching between header and receptacle
- Protects contacts against potential damage during handling and mating
- Meet safety requirements and able to withstand high temperatures

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, 100u” tin plated on soldering tail, 50u” 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: 12.5A 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
- Resistance to soldering heat: No evidence of physical damage

PACKAGING

- Tape and Reel
- Tray

APPROVALS AND CERTIFICATIONS

- UL
- EIA

SPECIFICATION

- Amphenol Product Specification: PS-7528

TARGET MARKETS/APPLICATIONS



Telecommunications



Drone



Data Center
Server
Storage



Industrial



Medical

PART NUMBERS

| Description | Pitch | Part Numbers |
|---|--------|-----------------|
| Micro Power Plus, Header Straight Dip type | 3.0 mm | G88MPXX1X2CEU |
| Micro Power Plus, Header Straight Dip type | 3.0 mm | G88MPXX1X2KEU |
| Micro Power Plus, Header Straight Dip type | 3.0 mm | G88MPXX1X2TEU |
| Micro Power Plus, Header Straight Dip type | 3.0 mm | G88MPXX1X2T3REU |
| Micro Power Plus, Header Right Angle Dip type | 3.0 mm | G88MPXX0X1C1EU |
| Micro Power Plus, Header Right Angle Dip type | 3.0 mm | G88MPXX0X1CEU |
| Micro Power Plus, Header Right Angle Dip type | 3.0 mm | G88MPXX0X1T1EU |
| Micro Power Plus, Header Right Angle Dip type | 3.0 mm | G88MPXX0X1TEU |
| Micro Power Plus, Header Right Angle Dip type | 3.0 mm | G88MPXX0X1XCEU |
| Micro Power Plus, Cable Housing | 3.0 mm | G88MPHXX22CEU |
| Micro Power Plus, Cable Terminal, AWG20–30 | 3.0 mm | G88MPC0X32CEU |
| Micro Power Plus, Cable Terminal, AWG16 | 3.0 mm | G88MPC0232ACEU |