

# 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  |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Amphenol:

[G88MPB02002C1EU](#) [G88MP22102CEU](#) [G88MP24102CEU](#) [G88MP20102CEU](#) [G88MP04102KEU](#)  
[G88MP02102KEU](#) [G88MP06102KEU](#) [G88MP02102CEU](#) [G88MP06102CEU](#) [G88MP04102CEU](#) [G88MP20102KEU](#)  
[G88MP24102KEU](#) [G88MP22102KEU](#) [G88MPB11002C1EU](#) [G88MP16102KEU](#) [G88MP12102KEU](#) [G88MP14102KEU](#)  
[G88MP10102KEU](#) [G88MP14102CEU](#) [G88MP10102CEU](#) [G88MP12102CEU](#) [G88MP16102CEU](#) [G88MP08102CEU](#)  
[G88MP18102CEU](#) [G88MPB10002C1EU](#) [G88MPB12002C1EU](#) [G88MPB03002C1EU](#) [G88MPB07002C1EU](#)  
[G88MPB09002C1EU](#) [G88MP08102KEU](#) [G88MPB08002C1EU](#) [G88MPB04002C1EU](#) [G88MPB05002C1EU](#)  
[G88MP18102KEU](#) [G88MPB06002C1EU](#) [G88MPB02012C1EU](#) [G88MPB04002CEU](#) [G88MPB10002CEU](#)  
[G88MPH0822CEU](#) [G88MPH1222CEU](#) [G88MPH1422CEU](#) [G88MPH0422CEU](#) [G88MPH0622CEU](#)  
[G88MP041022CEU](#) [G88MP101022CEU](#) [G88MP201027DEU](#) [G88MP061022CEU](#) [G88MP081322CEU](#)  
[G88MP16122KEU](#) [G88MP08136KEU](#) [G88MP24102MEU](#) [G88MP22101KEU](#) [G88MP04102MEU](#) [G88MP06106KEU](#)  
[G88MP08101KEU](#) [G88MP08102MEU](#) [G88MP08132KEU](#) [G88MP04001TEU](#) [G88MP10001TEU](#) [G88MP12001TEU](#)  
[G88MP12021TEU](#) [G88MP16001TEU](#) [G88MP18001TEU](#) [G88MP20001TEU](#) [G88MP24001TEU](#) [G88MP06001TEU](#)  
[G88MP08001TEU](#) [G88MPC0232BCEU](#) [G88MP08C00DEU](#) [G88MP10C00DEU](#) [G88MP12C00DEU](#)  
[G88MP04C00DEU](#) [G88MPCA0262CEU](#) [G88MPCA0362CEU](#) [G88MPCA0462CEU](#) [G88MPH0421CEU](#)  
[G88MPH0422AEU](#) [G88MPH0622AEU](#) [G88MPH0822AEU](#) [G88MPH1022AEU](#) [G88MPH1222AEU](#) [G88MPH1422AEU](#)  
[G88MPH2022AEU](#) [G88MPH2422AEU](#) [G88MP16001T1EU](#) [G88MP081028DREU](#) [G88MP121028DREU](#)  
[G88MP120011C1EU](#) [G88MP08C00DIEU](#) [G88MP100011CEU](#) [G88MP100011C1EU](#) [G88MP041028CREU](#)  
[G88MPC0332CEU](#) [G88MP081020DREU](#) [G88MPB04103CEU](#) [G88MP061028CREU](#) [G88MPH0421AEU](#)