



## Overview:

- Positive housing locks
  - Prevents accidental disconnects
- Polarized housing/receptacles
  - Prevents accidental mis-mating
- Terminals are fully isolated
- Contact area plating offered in tin & gold
- Provides design flexibility
  - Offering circuit sizes 2 - 24

## Micro Power:

- Compact power connector
  - Current rating of 5A
- Through-hole & SMT options
- Single row/dual row option
- Keyed Silos
- High-temperature, LCP housing
  - Available in 94V-0

## Micro Power Plus:

- Current rating raised to 12A
- Micro Power footprint & outer dimensions
- Specialized fool-proof key
  - Prevents accidental insertion

## Mini Power:

- Made for high current & density applications
- Ideal for power applications up to 9A/circuit
- Single row/dual row option
- Vertical & right angle pin headers
- With & without boardlock option
- High-temperature NY9T, LCP housing
  - Available in 94V-0 & 94V-2

## Applications:

- **Aerospace:**
  - Military Commercial Off-the-Shelf
- **Customer Use:**
  - Desktops
  - Freezers
  - Washing & Vending Machines
  - Printers
  - Indoor/Outdoor lighting
  - Security Systems
- **Medical:**
  - Patient Monitor
  - Diagnostic Equipment
- **Telecommunication:**
  - Hubs
  - Power Supplies & Distribution
- **Communication/Data:**
  - Routers
  - Servers
  - Storage & Networking Systems



To learn more about Micro/Mini Power connectors:

web: [amphenolcanada.com](http://amphenolcanada.com)

email: [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com)

## Technical Characteristics:

| Mechanical                     |                   |                  | Electrical                |                |                |
|--------------------------------|-------------------|------------------|---------------------------|----------------|----------------|
|                                | Micro Power       | Mini Power       |                           | Micro Power    | Mini Power     |
| <b>Insertion Force</b>         | 8N max. per pin   | 15N max. per pin | <b>Current Rating</b>     | 5A per contact | 9A per contact |
| <b>Extraction Force</b>        | 3.7N min. per pin | 1N min. per pin  | <b>Contact Resistance</b> | 15mΩ           | 16mΩ           |
| <b>Contact Retention Force</b> | 24.5N min.        | 20N min.         | <b>Voltage</b>            | 250V AC        | 600V AC        |

## Ordering Information:

| Part Number            | General Description                                                 | XX<br>Number of Circuits  | Contact Finish                                             |
|------------------------|---------------------------------------------------------------------|---------------------------|------------------------------------------------------------|
| <b>G881AXX102TEU*</b>  | Micro Power: wafer, 3.00mm pitch, straight PCB mount                | 02, 06, 10, 14, 18, 24    | Tin overall                                                |
| <b>G881AXX102T3EU</b>  | Micro Power: wafer, 3.00mm pitch, straight DIP without kink         | 02, 06, 10, 14, 18, 24    | Tin overall                                                |
| <b>G881AXX001TEU</b>   | Micro Power: wire to board wafer, 3.00mm pitch, R/A PCB mount       | 02, 06, 10, 14, 18, 24    | 100μ" matte tin overall                                    |
| <b>G881HXX22CEU</b>    | Micro Power: 3.0mm pitch, dual rows housing crimping type           | 02, 06, 10, 14, 18, 24    |                                                            |
| <b>G881HXX21C3HR</b>   | Micro Power: 3.0mm pitch, single row housing crimping type          | 02, 03, 04 ... 10, 11, 12 |                                                            |
| <b>G881BXX102KEU</b>   | Micro Power: wafer, 3.00mm pitch, straight S/R with kink type       | 02, 03, 04 ... 10, 11, 12 | Tin overall                                                |
| <b>G88MPBXX002C1EU</b> | Micro Power Plus: 3.0mm pitch, S/R R/A DIP type                     | 02, 03, 04 ... 10, 11, 12 | Matte tin overall under plating nickel 50μ" thickness min. |
| <b>G88MPXX102CEU</b>   | Micro Power Plus: wafer, 3.00mm pitch, straight DIP with block      | 02, 06, 10, 14, 18, 24    |                                                            |
| <b>G88MPXX102KEU</b>   | Micro Power Plus: wafer, 3.00mm pitch, straight DIP with kink block | 02, 06, 10, 14, 18, 25    |                                                            |
| <b>G874DXX1202CEU</b>  | Mini Power: 4.2mm pitch, header straight DIP type                   | 02, 06, 10, 14, 18, 26    | 100μ" tin overall                                          |
| <b>G881C0232CEU</b>    | Micro Power: terminal, 3.0mm pitch, wire size AWG#20-24             |                           |                                                            |

\* 10-circuit products in this series have a part number of G881A10122TEU

