



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

email: sales@amphenolcanada.com

Technical Characteristics:

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

Ordering Information:

| Part Number | General Description | XX Number of Circuits | Contact Finish |
|------------------------|---|---------------------------|--|
| G881AXX102TEU* | Micro Power: wafer, 3.00mm pitch, straight PCB mount | 02, 06, 10, 14, 18, 24 | Tin overall |
| G881AXX102T3EU | Micro Power: wafer, 3.00mm pitch, straight DIP without kink | 02, 06, 10, 14, 18, 24 | Tin overall |
| G881AXX001TEU | Micro Power: wire to board wafer, 3.00mm pitch, R/A PCB mount | 02, 06, 10, 14, 18, 24 | 100μ" matte tin overall |
| G881HXX22CEU | Micro Power: 3.0mm pitch, dual rows housing crimping type | 02, 06, 10, 14, 18, 24 | |
| G881HXX21C3HR | Micro Power: 3.0mm pitch, single row housing crimping type | 02, 03, 04 ... 10, 11, 12 | |
| G881BXX102KEU | Micro Power: wafer, 3.00mm pitch, straight S/R with kink type | 02, 03, 04 ... 10, 11, 12 | Tin overall |
| G88MPBXX002C1EU | Micro Power Plus: 3.0mm pitch, S/R R/A DIP type | 02, 03, 04 ... 10, 11, 12 | |
| G88MPXX102CEU | Micro Power Plus: wafer, 3.00mm pitch, straight DIP with block | 02, 06, 10, 14, 18, 24 | Matte tin overall under plating nickel 50μ" thickness min. |
| G88MPXX102KEU | Micro Power Plus: wafer, 3.00mm pitch, straight DIP with kink block | 02, 06, 10, 14, 18, 25 | |
| G874DXX1202CEU | Mini Power: 4.2mm pitch, header straight DIP type | 02, 06, 10, 14, 18, 26 | 100μ" tin overall |
| G881CO232CEU | Micro Power: terminal, 3.0mm pitch, wire size AWG#20-24 | | |

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

