



## 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 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	
<b>G88MPXX102CEU</b>	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.
<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>G881CO232CEU</b>	Micro Power: terminal, 3.0mm pitch, wire size AWG#20-24		

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

