Micro Power Super Series

3.00MM PITCH 17A PER PIN WIRE–TO–BOARD CONNECTOR

Micro power super series is a 3.00mm pitch power connector which is designed for flexible wire–to–board applications, based on different wire gauges and circuits. It provides a maximum current rating of 17A/pin and accommodates wire gauge of 16AWG and 15AWG. It is foolproof against mismating among different circuits. This series is available for 2 to 24 circuits for dual row. This connector design features low terminal mating force when more circuits are used.

- Current Rating: 17A/pin max.
- Contact options from 2 to24
- Meets PiP requirement
- Available with and without board lock options

TARGET MARKETS

FEATURES

- Current rating of 17A/pin
- Through hole design
- High temperature LCP housing (available in UL94V–0)
- Foolproof solution
- Fully isolated pins
- Available in wire sizes of 16AWG and 15AWG

BENEFITS

- Compact and high current power connector
- Better retention force on PCB
- Meets safety and PiP requirements
- Avoids mismating
- Protects contacts against potential damage during handling and mating
- Application flexibility

TECHNICAL INFORMATION

MATERIAL

- Housing: High housing: High temperature thermoplastic, complies with UL94V–0, black
- Contact: Copper alloy, selective gold plating on contact area, 100µin tin plated on soldering tail, 50µin min nickel under–plated overall.

MECHANICAL PERFORMANCE

- Insertion Force: 6N max. per pin
- Extraction Force: 0.8N min. per pin
- Terminal Retention Force in Housing for Cable Assembly: 24.5N min.

ELECTRICAL PERFORMANCE

- Current Rating: 17A per contact
- Contact resistance: 20m(Ω)
- Voltage: 250V AC

PACKAGING

- Tray
- Tape & Reel

SPECIFICATION

- Amphenol Specification: PS–7759

ENVIRONMENTAL

- Humidity: Contact resistance, ΔR=+20mΩ max.
- Salt Spray: Contact resistance, ΔR=+20mΩ max.
- Resistance to Soldering Heat: No evidence of physical damage
- Thermal Shock: No evidence of damage. Contact resistance: ΔR=+20mΩ max.
- Thermal Contact Resistance: ΔR=+20mΩ max.

APPROVALS AND CERTIFICATIONS

- EIA
- UL

TARGET MARKETS/APPLICATIONS


Consumer


Communications


Server, Storage and Switch


Industrial & Instrumentation

PART NUMBERS

Description	Part Numbers
Micro power super 3.00mm pitch, header straight DIP type	G88MPSXX1X2XXC1HR
Micro power super 3.00mm pitch, cable housing	G88MPSHXX22HR
Micro power super 3.00mm pitch, cable terminal, 16AWG and 15AWG	G88MPSCX6XXCXHR

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