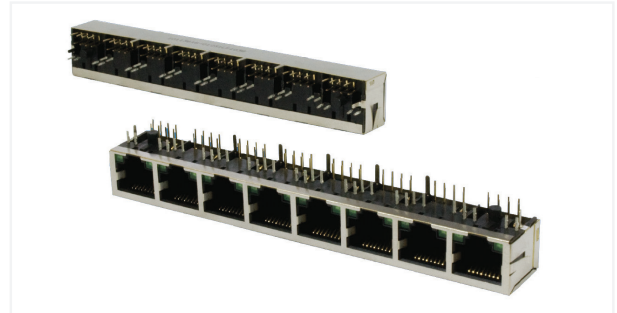


RJ45 MODULAR JACK, 1 STACK, 8 PORTS, SHIELD CONNECTOR

OVERVIEW

RJ45 1x8 Modular Jack is initiated and designed for the application of GPON 2U/1U MDU rack for customer line-cards I/O. GPON has been already deployed by many of the world's largest Tier 1 Telecommunications carriers, and has quickly established itself as the worldwide standard for delivering voice, data and video. With RJ45 1x8 installed, GPON device can offer a more bandwidth efficient protocol for data centric services.



FEATURES & BENEFITS

- Operating temperature: 0°C – 70°C
- Storage temperature: -40°C – 85°C
- Dip Modular Jack
- Low profile
- Durability: 1,000 cycles
- Optional plating type: G/F, 6µin. , 15µin. , 30µin. and 50µin. gold plating
- RoHS compliant
- Optional LED colors
- Tab down
- Tray packaging
- Shield shell for EMI protection

TARGET MARKETS/APPLICATIONS

- Target application: Broadband switches, hubs, routers, servers, telecom box
- Target markets: Networking, datacom, consumer



RJ45 MODULAR JACK, 1 STACK, 8 PORTS, SHIELD CONNECTOR



TECHNICAL INFORMATION

MATERIALS

- Housing: Thermoplastic high temperature UL94V-0, black color
- Insert housing: Thermoplastic high temperature UL94V-0, black color
- Contact: Copper alloy
- LED leg: Steel
- Shield: Copper alloy

ELECTRICAL PERFORMANCE

- Low level contact resistance:
 - 40mΩ max. initial
 - 50mΩ max. final
- Insulation resistance:
 - 1000mΩ min. initial
 - 50mΩ min. final

ENVIRONMENTAL

- Thermal shock (temperature cycling): meet EIA-364-32C
- Humidity-temperature cycling: At 40 ± 2°C and relative humidity of 90-95% for 96 hours
- Temperature life (heat aging): 65 ± 2°C for 96 hours
- Salt spray: mated/unmated connectors to 5% salt-solution concentration, 35°C for 48 hours

MECHANICAL PERFORMANCE

- Mating & Un-mating force:
 - Insertion force: 22 N max.
 - Unlatched withdrawal force: 9.8 N max.
 - Latched withdrawal force: 89 N min.
- Solderability
 - Solderable have min. 95% solder coverage
- Physical shock: Meet EIA-364-27B
- Durability: 1000 cycles
- Random vibration: Meet EIA-364-28D

SPECIFICATIONS

- Product specification: GS-12-659
- Packaging specification: GS-14-1503

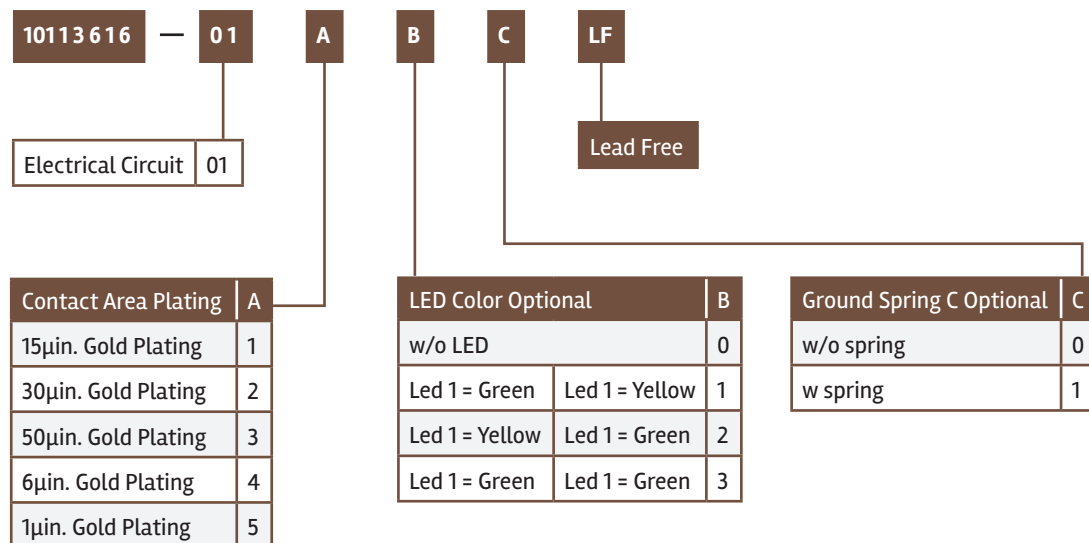
APPROVALS AND CERTIFICATIONS

- RoHS Compliance
- Meet European Union Directive specified in GS-22-008
- UL94V-0

PACKAGING

- Tray

PART NUMBERS



INOR/45MOD/0613EA4