



GigaSPEED X10D® M-Series Modular Jack, RJ45, Cat6A Unshielded, Ivory (24 ea/pkg)

- Electrical performance guaranteed to meet or exceed the channel specifications to ISO/IEC 11801 Class EA and ANSI/TIA-568-C.2 Category 6A
- Patented crossing of straddling pair contacts enables efficient alien crosstalk reduction in the channel
- Snaps into standard M-series faceplates, surface-mount boxes, consolidation point boxes and modular panels
- Mountable either at 90 degrees (straight) or 45 degrees (angled) in M-series faceplate
- Universal design and label supports both T568 A & B wiring
- IDC connector terminations on rear of base allow quick and easy installation of 22 to 24 AWG cable
- Support network line speeds up to at least 10 gigabits per second
- Low-profile rear protective strain relief cap, protects against contamination and secures the connection

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio

SYSTIMAX®

Product Type

Modular jack

Product Brand

GigaSPEED X10D®

Product Series

MGS600

General Specifications

ANSI/TIA Category

6A

Cable Type

Unshielded

Color

Ivory

Conductor Type

Solid | Stranded

Integrated Dust Cover Type

None

Mounting Note

Color matches with M-series Ivory Faceplates and Surface Mount Boxes

Termination Type

IDC

Wiring

T568A | T568B

Dimensions

# 760250048 | ECO MGS600-IV-24

|  |  |
|--|--|
| <b>Height</b>  | 19.4 mm   0.764 in   |
| <b>Width</b>   | 21.08 mm   0.83 in   |
| <b>Depth</b>   | 30.2 mm   1.189 in   |
| <b>Compatible Conductor Gauge, solid</b>                     | 22-24 AWG   21 AWG (for CommScope GigaREACH cable only)  |
| <b>Compatible Conductor Gauge, stranded</b>                  | 22-24 AWG  |
| <b>Electrical Specifications</b>                             |  |
| <b>Contact Resistance Variation, maximum</b>                 | 20 mOhm  |
| <b>Contact Resistance, maximum</b>                           | 100 mOhm   |
| <b>Current Rating at Temperature</b>                         | 1.5 A @ 20 °C   1.5 A @ 68 °F  |
| <b>Dielectric Withstand Voltage, RMS, conductive surface</b> | 1,500 Vac @ 60 Hz  |
| <b>Dielectric Withstand Voltage, RMS, contact-to-contact</b> | 1,000 Vac @ 60 Hz  |
| <b>Insulation Resistance, minimum</b>                        | 500 MOhm   |
| <b>Remote Powering</b>                                       | Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3bt (Type 4) and complies with the unmating under electrical load requirements prescribed by IEC 60512-99-002 |
| <b>PoE Durability</b>  | Supports IEEE 802.3bt Type 4 (90 W) applications greater than 3000 plug to jack mating cycles  |
| <b>Material Specifications</b>                               |  |
| <b>Contact Plating Material</b>                              | Precious metals  |
| <b>Material Type</b>   | Copper alloy   High-impact, flame retardant, thermoplastic   |
| <b>Termination Contact Plating</b>                           | Nickel   |
| <b>Mechanical Specifications</b>                             |  |
| <b>Plug Retention Force, minimum</b>                         | 133 N   29.9 lbf   |
| <b>Plug to Jack Mating Cycles</b>                            | Complies to IEC 60603-7 series   |
| <b>Environmental Specifications</b>                          |  |
| <b>Operating Temperature</b>                                 | -10 °C to +60 °C (+14 °F to +140 °F)   |
| <b>Storage Temperature</b>                                   | -40 °C to +70 °C (-40 °F to +158 °F)   |
| <b>Relative Humidity</b>                                     | Up to 95%, non-condensing  |
| <b>Flammability Rating</b>                                   | UL 94 V-0  |

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|-----------------------|--|
| Safety Standard       | UL   cUL                               |
| Packaging and Weights |  |
| Packaging Material    | Eco-friendly, single-use plastics-free |
| Packaging quantity    | 24                                     |
| Packaging Type        | Box   Carton                           |