



GigaSHIELD X10D® M-Series Modular Jack, RJ45, Cat6A Shielded, Gray (24 ea/pkg)

- Fits all existing M-series faceplates
- Not for use in shielded panels
- Wire holder cut off during termination
- Universal wiring label
- Easy re-termination
- Terminated with JTT Series termination tool

Product Classification

Regional Availability	Australia/New Zealand China Europe Latin America Middle East/Africa North America
Portfolio	SYSTIMAX®
Product Type	Modular jack
Product Brand	GigaSPEED X10D®
Product Series	MGS600S

General Specifications

ANSI/TIA Category	6A
Cable Type	Shielded
Color	Gray
Conductor Type	Solid Stranded
Integrated Dust Cover Type	None
Mounting	M Series faceplates
Termination Tool	JTT Termination tool
Termination Type	IDC
Transmission Standards	ANSI/TIA-568.2-D ISO/IEC 11801 Class EA
Wiring	T568A T568B

Dimensions

Height	16.13 mm 0.635 in
Width	14.44 mm 0.569 in
Depth	36.8 mm 1.449 in
Compatible Cable Diameter, maximum	8.5 mm 0.335 in
Compatible Insulated Conductor Diameter, maximum	1.6 mm 0.063 in
Contact Plating Thickness	1.27 µm
Compatible Conductor Gauge, solid	22–26 AWG
Compatible Conductor Gauge, stranded	24–26 AWG

Electrical Specifications

Contact Resistance, maximum	20 mOhm
Current Rating at Temperature	1.5 A @ 20 °C 1.5 A @ 68 °F
Dielectric Withstand Voltage, RMS, conductive surface	1,500 Vac @ 60 Hz
Dielectric Withstand Voltage, RMS, contact-to-contact	1,000 Vac @ 60 Hz
Insulation Resistance, minimum	500 MOhm
Remote Powering	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
PoE Durability	Supports IEEE 802.3bt Type 4 (90 W) applications greater than 3000 plug to jack mating cycles
Safety Voltage Rating	150 Vac

Material Specifications

Contact Base Material	Beryllium copper
Contact Plating Material	Gold
IDC Termination Material	Phosphor Bronze

Material Type	Zamak PC+ABS
Termination Contact Plating	Tin

Mechanical Specifications

Plug to Jack Mating Cycles	Complies to IEC 60603-7 series
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Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative Humidity	Up to 95%, non-condensing
Flammability Rating	UL 94 V-0

Packaging and Weights

Packaging Material	Eco-friendly, single-use plastics-free
Packaging quantity	24
Packaging Type	Cardboard box

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

