

Base Product



M-Series Modular Jack, RJ45, Cat6A Unshielded

Product Classification

Regional Availability

North America

Portfolio

Uniprise®

Product Type

Modular jack

Product Series

UNJ Series

General Specifications

ANSI/TIA Category

6A

Cable Type

Unshielded

Conductor Type

Solid | Stranded

Integrated Dust Cover Type

None

Mounting

M Series faceplates and panels

Outlet Type

Standard

Termination Tool

110 Punchdown tool | JTT Termination tool

Termination Type

IDC

Transmission Standards

ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA

Wiring

T568A | T568B

Dimensions

Panel Cutout, recommended

16.66 x 17.68 mm (0.66 x 0.70 in)

Panel Thickness, recommended

1.6 mm | 0.063 in

Height

18.8 mm | 0.74 in

Width

18.5 mm | 0.728 in

Depth

30.5 mm | 1.201 in

Compatible Cable Diameter, maximum

7.24 mm | 0.285 in

Compatible Insulated Conductor Diameter, maximum

1.45 mm | 0.057 in

Contact Plating Thickness	1.27 µm
Compatible Conductor Gauge, solid	22–24 AWG
Compatible Conductor Gauge, stranded	24–26 AWG
Electrical Specifications	
Contact Resistance Variation, maximum	20 mOhm
Contact Resistance, maximum	100 mOhm
Current Rating at Temperature	1.5 A @ 20 °C 1.5 A @ 68 °F
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	PC+ABS
Termination Contact Plating	Tin
Mechanical Specifications	
Plug Retention Force, minimum	50 N 11.24 lbf
Plug to Jack Mating Cycles	Complies to IEC 60603-7 series
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
Safety Standard	cULus