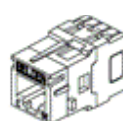
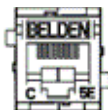


AX101053 Modular Connectors - CAT5E Modular Jack - MDVO style



For more Information
please call

1-800-Belden1



Description:

CAT5E Modular Jack, RJ45, MDVO style, Purple (TIA 606)

Usage (Overall)

| | |
|-------------------------------|---|
| Suitable Applications: | IBDN System 1200, TIA Category 5E, ISO Class D, 1000 BASE-T |
| Related Parts: | Compatible with Interface and MDVO Style Faceplates, Adapters, Boxes and Patch Panels |

Physical Characteristics (Connectivity)

Dimensions

Dimensions:

| Height (in.) | Width (in.) | Depth (in.) |
|--------------|-------------|-------------|
| 0.765 | 0.770 | 1.290 |

Materials

Materials:

| Description | Type | Material |
|------------------|------------|---|
| Front Connection | Lead Frame | Copper Allow with 50u inch Gold over Nickel |
| Rear Connection | IDC | Copper Allow with Nickel Plating |
| Connector Body | | Plastic - UL940V-0 |

Color

Color: Purple (TIA 606)

Wiring Scheme

Wiring Scheme: T568A/B

Weight

Weight: 0.014 lbs.

Included Parts

Included Parts: 1 T-Bar + 1 Dust Cap

Packaging

Packaging: Individually packaged in a plastic bag. Standard pack of 50 units.

Mechanical Characteristics (Connectivity)

Footprint/Type: MDVO-Style

Plug / Jack Compatibility: RJ45, RJ11

Termination Interface:

| Termination | Connection | Durabilities |
|-------------|--------------------------|-----------------|
| Front | Mated Connection | 1,000 cycles |
| Rear | Gas Tight IDC Connection | 10 terminations |

Connector/Hardware Retention: 20 lbs.

Plug/Connector Retention: 11.250 lbs.

Storage Temperature Range: -40°C To +70°C

Installation Temperature Range: -10°C To +60°C

AX101053 Modular Connectors - CAT5E Modular Jack - MDVO style
Operating Temperature Range: -10°C To +60°C

Tool Compatibility: Belden 110 Connecting Tool, MediaFlex Termination Station
Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**
Other Standards: FCC Part 68, Subpart F, IEC 60603-7

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 07/01/2006

MII Order #39 (China RoHS): EUP 50

Telecommunications Standards: Category 5e - TIA 568.B.2, Category 5 - ISO/IEC 11801:2002 Ed.2

Third Party Performance Verification: ETL - Verified Category 5e

Safety Listing: ACA, Bi-national (UL/CSA) Standard Listed
Suitability
Suitability - Indoor: Yes - Indoor
Transmission Characteristics (Connectivity)**Mated Connection Table 1:**

| Frequency (MHz) | Max. Insertion Loss TIA* (dB) | Max. Insertion Loss Belden** (dB) | Min. NEXT TIA* (dB) | Min. NEXT Belden** (dB) | Min. FEXT TIA* (dB) | Min. FEXT Belden** (dB) |
|-----------------|-------------------------------|-----------------------------------|---------------------|-------------------------|---------------------|-------------------------|
| 1.000 | 0.100 | 0.100 | 65.000 | 77.000 | 65.000 | 77.000 |
| 4.000 | 0.100 | 0.100 | 65.000 | 73.800 | 63.100 | 74.800 |
| 8.000 | 0.100 | 0.100 | 64.900 | 67.700 | 57.000 | 68.700 |
| 10.000 | 0.100 | 0.100 | 63.000 | 65.800 | 55.100 | 66.800 |
| 16.000 | 0.100 | 0.100 | 58.900 | 61.700 | 51.000 | 62.700 |
| 20.000 | 0.100 | 0.100 | 57.000 | 59.800 | 49.100 | 60.800 |
| 25.000 | 0.100 | 0.100 | 55.000 | 57.800 | 47.100 | 58.800 |
| 31.250 | 0.110 | 0.100 | 53.100 | 55.900 | 45.200 | 56.900 |
| 62.500 | 0.160 | 0.120 | 47.100 | 49.900 | 39.200 | 50.900 |
| 100.000 | 0.200 | 0.160 | 43.000 | 45.800 | 35.100 | 46.800 |
| 160.000 | | 0.210 | | 41.700 | | 42.700 |

Mated Connection Table - Footnote:

* TIA/EIA-568-B.2 Category 5E Standard.

** Worst-case performance for a CAT5E mated connection using CAT5E modular plugs.

Mated Connection Table 2:

| Frequency (MHz) | Min. Return Loss TIA* (dB) | Min. Return Loss Belden** (dB) | Min. Balanced TCL Belden** (dB) |
|-----------------|----------------------------|--------------------------------|---------------------------------|
| 1.000 | 30.000 | 32.000 | 42.000 |
| 4.000 | 30.000 | 32.000 | 42.000 |
| 8.000 | 30.000 | 32.000 | 42.000 |
| 10.000 | 30.000 | 32.000 | 42.000 |
| 16.000 | 30.000 | 32.000 | 42.000 |
| 20.000 | 30.000 | 32.000 | 42.000 |
| 25.000 | 30.000 | 32.000 | 42.000 |
| 31.250 | 30.000 | 32.000 | 42.000 |
| 62.500 | 24.100 | 31.100 | 36.100 |
| 100.000 | 20.000 | 27.000 | 32.000 |
| 160.000 | | 22.900 | 27.900 |

Dielectric Strength: 1,000 V RMS @ 60 Hz for 1 minute

Current Rating: 1.500 A

Insulation Resistance: 50 M-Ohm Minimum

Max. Contact Resistance: 20 m-Ohm

Termination Resistance: 2.5 m-Ohm

AX101053 Modular Connectors - CAT5E Modular Jack - MDVO style

Notes (Overall)

Notes: Please see Installation Guide PX103329

Product Family**Part Number List:**

| Item Number | Color |
|-------------|------------------|
| AX101044 | Gray |
| AX101045 | Almond |
| AX101046 | White |
| AX101047 | Black |
| AX101048 | Orange (TIA 606) |
| AX101049 | Red (TIA 606) |
| AX101050 | Yellow (TIA 606) |
| AX101051 | Green (TIA 606) |
| AX101052 | Blue (TIA 606) |
| AX101053 | Purple (TIA 606) |
| AX101054 | Brown (TIA 606) |
| AX102564 | Ivory |

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------|-------|-------------|-------|-------|--------------------------------|
| AX101053 | 1 EA | 0.024 LB | | | CAT5E JACK MDVO PURPLE TIA 606 |

Revision Number: 1 Revision Date: 08-11-2010

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