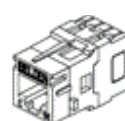
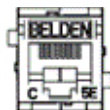


## AX102564 Modular Connectors - CAT5E Modular Jack - MDVO style



For more Information  
please call

1-800-Belden1

**Description:**

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

**Usage (Overall)**

|                               |   |
|-------------------------------|---|
| <b>Suitable Applications:</b> | IBDN System 1200, TIA Category 5E, ISO Class D, 1000 BASE-T                           |
| <b>Related Parts:</b>         | 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:** Ivory

**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

**AX102564 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

## AX102564 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) |

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #   | Putup | Ship Weight | Color | Notes | Item Desc             |
|----------|-------|-------------|-------|-------|-----------------------|
| AX102564 | 1 EA  | 0.024 LB    |       |       | CAT5E JACK MDVO IVORY |

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