# Detailed Specifications & Technical Data
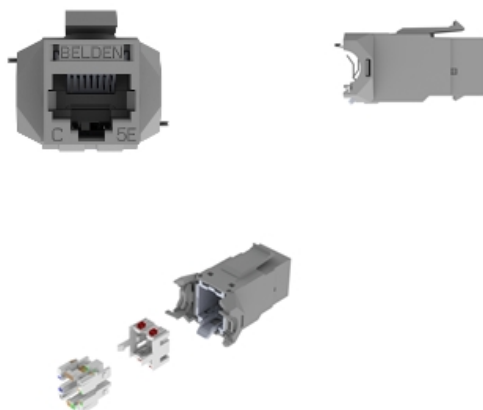
**ENGLISH MEASUREMENT VERSION**

## RV5MJKSME-B24  Modular Connectors - REVConnect Jack CAT5E Shield

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

### General Description:

REVConnect CAT5E STP Modular Jack, Metal, T568 A/B, Bulk Pack

### Usage (Overall)

| | |
|---|---|
| **Suitable Applications:** | 1200 Shielded System, TIA Category 5E, ISO Class D, 1GBASE-T |
| **Related Parts:** | Compatible with Shielded KeyConnect Patch Panels 24p and 48p, Compatible with KeyConnect Faceplates, Adapters, Boxes |

### Physical Characteristics (Connectivity)

**Dimensions**

Dimensions:

| Height (in.) | Width (in.) | Depth (in.) |
|---|---|---|
| 0.940 | 1.190 | 1.630 |

**Materials**

Materials:

| Description | Type | Material |
|---|---|---|
| Front Connection | RJ45 | Copper Clad Flexible PCB, 50uin Gold plated contacts over Nickel |
| Rear Connection | REVConnect | Copper alloy, Gold plated contacts over Nickel |
| Connector Body | N/A | Nickel plated zinc alloy diecast |

**Wiring Scheme**

| | |
|---|---|
| **Wiring Scheme:** | T568A/B |

**Weight**

| | |
|---|---|
| **Weight:** | 0.048 lbs. |

**Packaging**

| | |
|---|---|
| **Packaging:** | Packaged in bulk pack of 24. Weight is per individual unit. |

### Mechanical Characteristics (Connectivity)

| | |
|---|---|
| **Footprint/Type:** | KeyConnect |
| **Plug / Jack Compatibility:** | RJ45, RJ11 |

Termination Interface:

| Termination | Connection | Durabilities |
|---|---|---|
| Front | Mated Connection | 750 cycles |
| Rear | Mated Connection | 20 cycles |

| | |
|---|---|
| **Cable/Connector Retention:** | 15 lbs. |
| **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 |

## RV5MJKSME-B24  Modular Connectors - REVConnect Jack CAT5E Shield

| | |
|---|---|
| Operating Temperature Range: | -10°C To +60°C |
| Tool Compatibility: | REVConnect Termination Tool (p/n RVUTT01) |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

| | |
|---|---|
| UL Rating: | UL94V-0 |
| IEEE Specification: | Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO UPOE (up to 60W), Power over HDBaseTTM (up to 100W) |
| 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.C.2, Category 5 - ISO/IEC 11801:2002 Ed.2 |
| Safety Listing: | c(UL)us Listed |
| Other Specification: | UL1863, IEC 60603-7, FCC part 68-F |

#### Flame Test

| | |
|---|---|
| UL Flame Test: | UL2043 Air Handling Spaces |

#### 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-C.2 Category 5E Standard.<br>** 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 | 24.000 | 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 (Signals to Ground) |
| Current Rating: | 1.300 A |
| Insulation Resistance: | 500 M-Ohm Minimum |
| Max. Contact Resistance: | 20 m-Ohm |
| Termination Resistance: | 2.5 m-Ohm |

### Notes (Overall)

**Notes:** Please see Installation Guide PX106435.

### Product Family

**BELDEN**
SENDING ALL THE RIGHT SIGNALS

### RV5MJKSME-B24  Modular Connectors - REVConnect Jack CAT5E Shield

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---|---|---|---|---|---|
| RV5MJKSME-B24 | 24 EA | 40.560 LB | | Q | REVConn CAT5E Jack Metal |

**Notes:**
Q = STANDARD PACKAGES CANNOT BE BROKEN.

Revision Number: 0    Revision Date: 04-13-2017

# Mouser Electronics

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