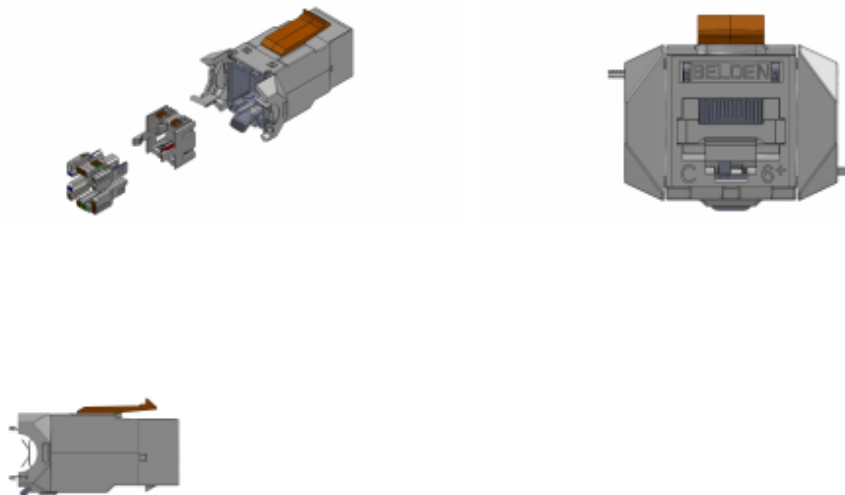


**RV6IJ2SME-B24 Modular Connectors - Industrial REVConnect Jack CAT6+ Shield**

**Preview Document. Not Live Data.**

For more Information  
please call

1-800-Belden1



**Description**

Industrial REVConnect CAT6+ STP Modular Jack, Metal, T568 A/B, Bulk Pack

**Usage (Overall):**

Suitable Applications	2400 Shielded System, TIA Category 6, ISO Class E, 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.

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Plug/Connector Retention:	11.250 lbs.
Storage Temperature Range	-40°C To +70°C
Installation Temperature Range	-40°C To +70°C
Operating Temperature Range	-40°C To +70°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 6 - TIA 568.C.2, Category 6 - ISO/IEC 11801:2002 Ed.2
Safety Listing	c(UL)us Listed
Other Specification	UL 1863, IEC 60603-7, FCC part 68-F

**Flame Test:**

UL Flame Test	UL2043 Air Handling Spaces
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**Suitability:**

Suitability - Indoor	Yes - Indoor
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**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	75.000	77.000	75.000	77.000
4.000	0.100	0.100	75.000	77.000	71.100	75.100
8.000	0.100	0.100	75.000	77.000	65.000	69.000
10.000	0.100	0.100	74.000	77.000	63.100	67.100
16.000	0.100	0.100	69.900	72.900	59.000	63.000
20.000	0.100	0.100	68.000	71.000	57.100	61.100
25.000	0.100	0.100	66.000	69.000	55.100	59.100
31.250	0.110	0.100	64.100	67.100	53.200	57.200
62.500	0.160	0.120	58.100	61.100	47.200	51.200
100.000	0.200	0.160	54.000	57.000	43.100	47.100
200.000	0.280	0.240	48.000	51.000	37.100	41.100
250.000	0.320	0.280	46.000	49.000	35.100	39.100
300.000		0.310		44.500		37.600

Mated Connection Table - Footnote

\* TIA/EIA-568-C.2 Category 6 Standard.

\*\* Worst-case performance for a CAT6+ mated connection using CAT6+ modular plugs

Mated Connection Table 2

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Belden** (dB)
1.000	30.000	32.000	40.000	42.000
4.000	30.000	32.000	40.000	42.000
8.000	30.000	32.000	40.000	42.000
10.000	30.000	32.000	40.000	42.000
16.000	30.000	32.000	40.000	42.000

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20.000	30.000	32.000	40.000	42.000
25.000	30.000	32.000	40.000	42.000
31.250	30.000	32.000	38.100	42.000
62.500	28.100	32.000	32.100	36.100
100.000	24.000	28.000	28.000	32.000
200.000	18.000	22.000	22.000	26.000
250.000	16.000	22.000	20.000	24.000
300.000		18.500		22.500

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 PX106876.

**Product Family:**

Revision Number: 0 Revision Date: 02-11-2019

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