

RV5MJKSME-S1 Modular Connectors - REVConnect Jack CAT5E Shield



For more Information
please call

1-800-Belden1



General Description:

REVConnect CAT5E STP Modular Jack, Metal, T568 A/B, Single 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 (mm)	Width (mm)	Depth (mm)
23.876	30.226	41.402

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: 0.022 kg

Packaging

Packaging: Individually packaged in a plastic bag.

Mechanical Characteristics (Connectivity)

Footprint/Type: KeyConnect

Plug / Jack Compatibility: RJ45, RJ11

Termination Interface:

Termination	Connection	Durabilities
Front	Mated Connection	750 cycles
Rear	Mated Connection	200 cycles

Cable/Connector Retention: 66.723 N

Connector/Hardware Retention: 88.964 N

Plug/Connector Retention: 50.042 N

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

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

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

Tool Compatibility: REVConnect Termination Tool (p/n RVUTT01)

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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 - ISO/IEC 11801:2002 Ed.2, TIA 568.2-D
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	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-568.2-D 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	24.000	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

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Max. Contact Resistance:	20 m-Ohm
Termination Resistance:	2.5 m-Ohm

Notes (Overall)

Notes: Please see Installation Guide PX106435.

Notes (Cont'd.):

Cable Range

- Min: 24 AWG Max: Cable 22 AWG Solid and Stranded
- Insulation Dia. Min: .035 in. (.89 mm) Max: .053 in. (1.34 mm)
- Outer Jacket Dia. Min: .235 in. (5.9 mm) Max: .366 in. (9.3 mm)

Product Family

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
RV5MJKSME-S1	1 EA	0.070 LB		Q	REVConn CAT5E Jack Metal

Notes:

Q = STANDARD PACKAGES CANNOT BE BROKEN.

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