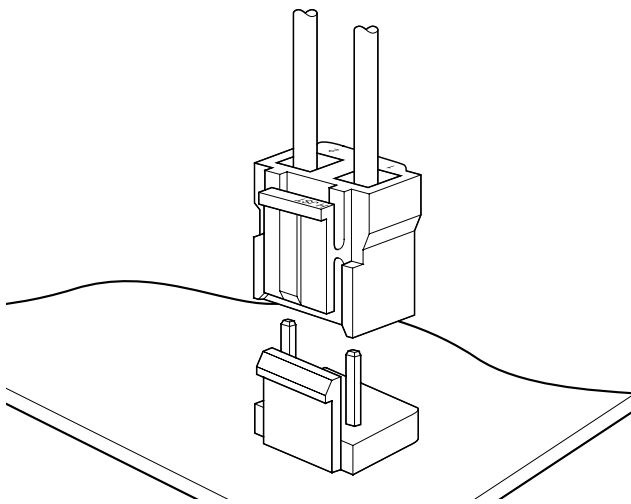


VA CONNECTOR

7.92mm pitch/Disconnectable Crimp style connectors



This 7.92mm pitch large current carrying capacity connector is used with primary power supply circuits and various other circuits requiring large currents. It features an anti-misinsertion construction and a reliable locking mechanism to ensure maximum safety.

- **Box contact**
- **Secure contact and mounting**
- **Compact connector with a large capacity**

Specifications

- Current rating: 7A AC, DC (AWG #18)
- Voltage rating: 250V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max.
After environmental testing/20m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,200V AC/minute
- Applicable wire: AWG #20 to #18
- Applicable PC board thickness: 1.6mm
- * Compliant with RoHS.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

Standards

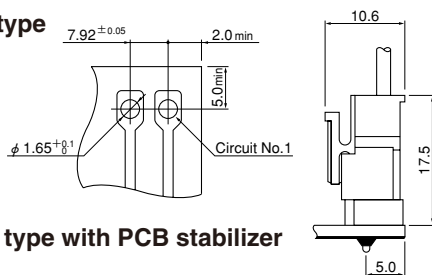
Recognized E60389

Certified LR20812

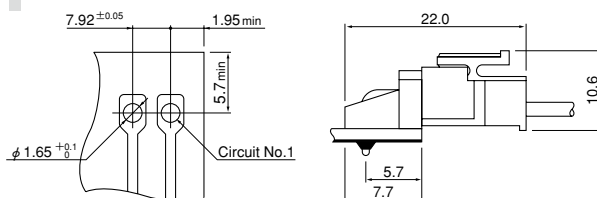
R75122

PC board layout (viewed from soldering side) and Assembly layout

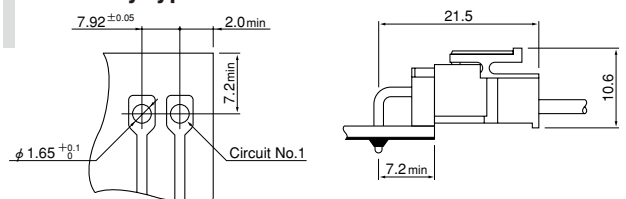
Top entry type



Side entry type with PCB stabilizer

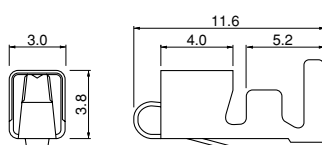


Side entry type



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline.
Contact JST for details.

Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm ²	AWG #		
SVA-41T-P1.1	0.5~0.83	20~18	1.9~3.7	3,500

Material and Finish

Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SVA-41T-P1.1	AP-K2N	MKS-L	MK/SVA-41-11	APLMK SVA41-11

Housing

The technical drawing shows two views of the circuit board assembly:

- Front View (Left):** Shows the overall dimensions of the assembly. The total width is 12.92, with a central cutout width of 7.92. The total height is 10.6, with a top section height of 3.8 and a bottom section height of 6.8. A label "Circuit No.1" points to the top component.
- Side View (Right):** Shows the profile of the assembly. The total width is 14.3. The top section has a width of 2.1 and a depth of 9.7.

RoHS compliance

<For reference> As the color identification,
the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.

ex. **VAR-2-oo**
(blank)...natural (white)
K...black R...red E...blue Y...yellow M...green N...brown

Top entry type

Technical drawings of the Top entry type connector. The front view shows a rectangular body with two pins on top and two on the bottom. Dimensions: top pins 7.92 apart, bottom pins 11.82 apart, body width 11.82. The side view shows a profile with a top pin diameter of 1.14, a top pin height of 7.7, a body height of 9.4, and a bottom pin height of 3.7. A label "Circuit No.1" points to the bottom left pin.

Side entry type

Technical drawings of the Side entry type connector. The front view shows a rectangular body with three pins on the side and two on the bottom. Dimensions: side pins 8.5 apart, bottom pins 7.92 apart, body width 11.82, body height 8.5, bottom pin height 3.6. The side view shows a profile with a side pin diameter of 1.14, a side pin height of 9.4, a body height of 7.7, a bottom pin height of 3.2, and a total width of 14.9. A label "Circuit No.1" points to the bottom left pin.

Side entry type with PCB stabilizer

Technical drawings of the Side entry type with PCB stabilizer connector. The front view shows a rectangular body with three pins on the side and two on the bottom. Dimensions: side pins 11.82 apart, bottom pins 7.92 apart, body width 11.82. The side view shows a profile with a side pin diameter of 1.14, a side pin height of 13.9, a body height of 7.7, a bottom pin height of 5.7, and a total width of 13.9. A label "Circuit No.1" points to the bottom left pin.

Plugged up
entry type

Technical drawing of a plugged up entry type. The drawing shows a side view and a top view. The side view dimensions are 7.7, 3.2, 3.7, 7.92, 11.82, and 9.4. The top view dimensions are 1.14, 7.7, 3.2, 3.7, 7.92, 11.82, and 9.4. A label "Circuit No.1" points to the left pin.

Technical drawing of the 1000 Series connector showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 11.82
- Distance between pins: 7.92
- Pin diameter: $\varnothing 1.14$
- Pin length: 3.6
- Overall height: 8.5

Side View Dimensions:

- Overall width: 14.9
- Distance from front face to pin start: 7.7
- Pin length: 3.2
- Distance from pin end to back face: 4.0
- Top flange width: 9.4

Labels:

- Circuit No.1

With plugged up			
	Circuits	Model No.	Q'ty / box
Top entry type	2	*B2P-VA	1,000
Side entry type	2	*B2PS-VA	500

	Circuits	Model No.	Q'ty / box
Top entry type	2	*B2P-VA	1,000
Side entry type	2	*B2PS-VA	500

ex. **S2P3-VH-oo**
(blank)...natural (white)
BK...black R...red Y...yellow M...green