

**JST**

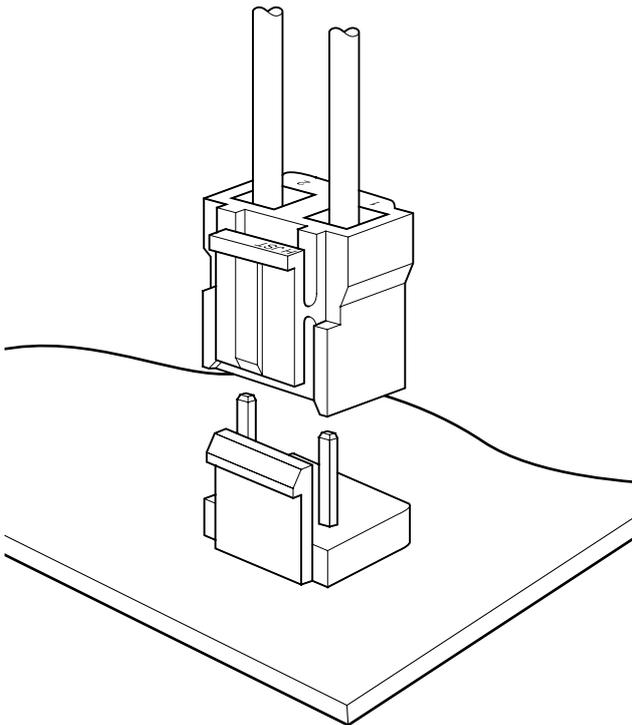
Crimp

**7.92mm**  
(.312") pitch

# VA CONNECTOR

*Disconnectable Crimp style connectors*

**This 7.92mm (.312") 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.**



## Features

### • **Box contact**

This connector has the box-shaped contact. The reliable NV connector can be used in a wide variety of applications, from low-voltage, low-current signal circuits to power supply circuits having a relatively large capacity.

### • **Secure contact and mounting**

The housing has an arm lock mechanism which prevents the connector from working loose due to vibration. The mechanism also prevents misinsertion (misalignment or reverse insertion).

### • **Compact connector with a large capacity**

Even though this connector has a large current carrying capacity (7A), it is compact, with a mounting height of 17.5mm (.689").

## 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(.063")

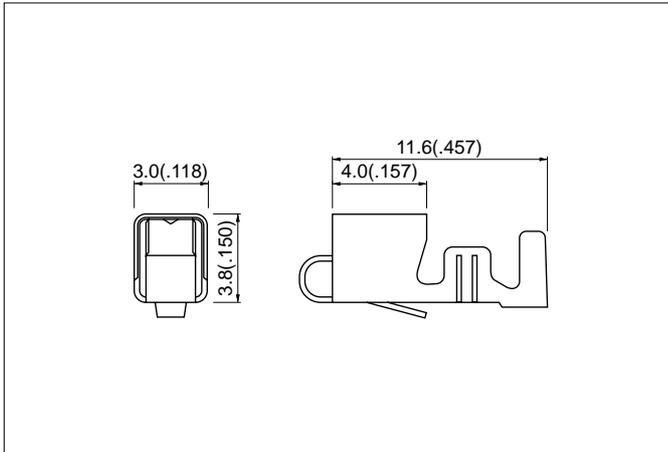
## Standards

 Recognized E60389

 Certified LR20812

 R75122

## Contact

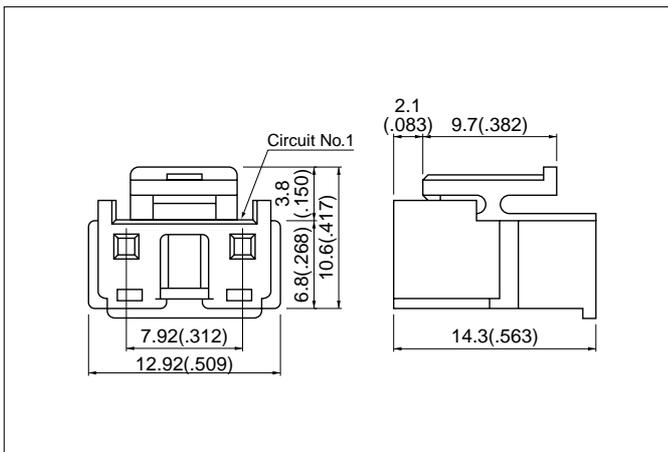


Model No.	Applicable wire			Q'ty / reel
	mm <sup>2</sup>	AWG #	Insulation O.D. mm(in.)	
<b>SVA-41T-P1.1</b>	0.5 to 0.83	20 to 18	1.9 to 3.7(.075 to .146)	3,500

### Material and Finish

Phosphor bronze, tin-plated

## Housing



Circuits	Model No.	Q'ty / bag
2	<b>VAR-2</b>	1,000

### Material

Nylon 6, UL94V-0, natural (white)

<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-2-00**

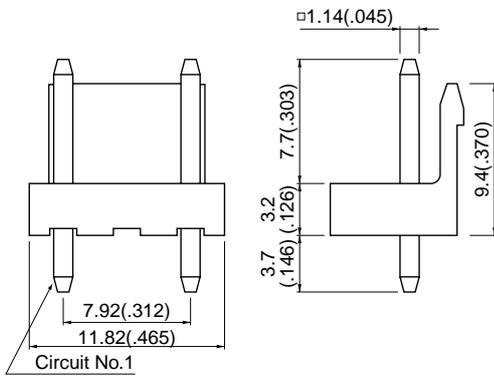
(blank)...natural (white)

K...black R...red E...blue Y...yellow

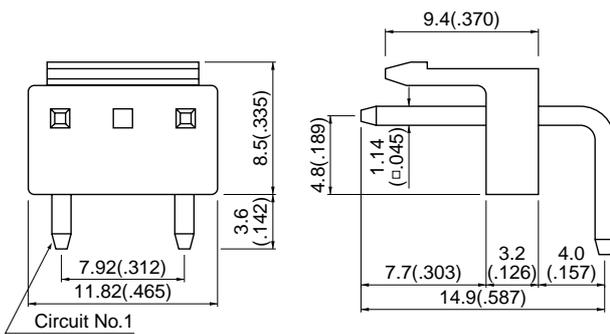
# VA CONNECTOR

## Locking header

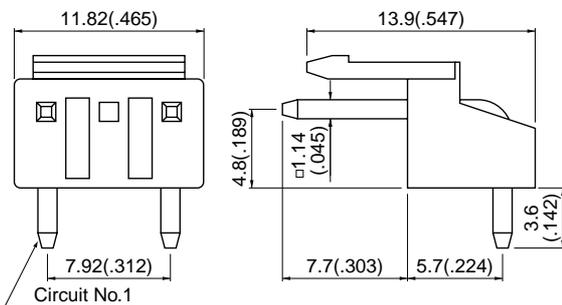
### Top entry type



### Side entry type



### Side entry type with PCB stabilizer



Circuits	Circuits	Model No.	Qty / box
2	Top entry type	<b>B2P3-VH</b>	1,000
2	Side entry type	<b>B2P3S-VH</b>	500
2	Side entry type with PCB stabilizer	<b>S2P3-VH</b>	500

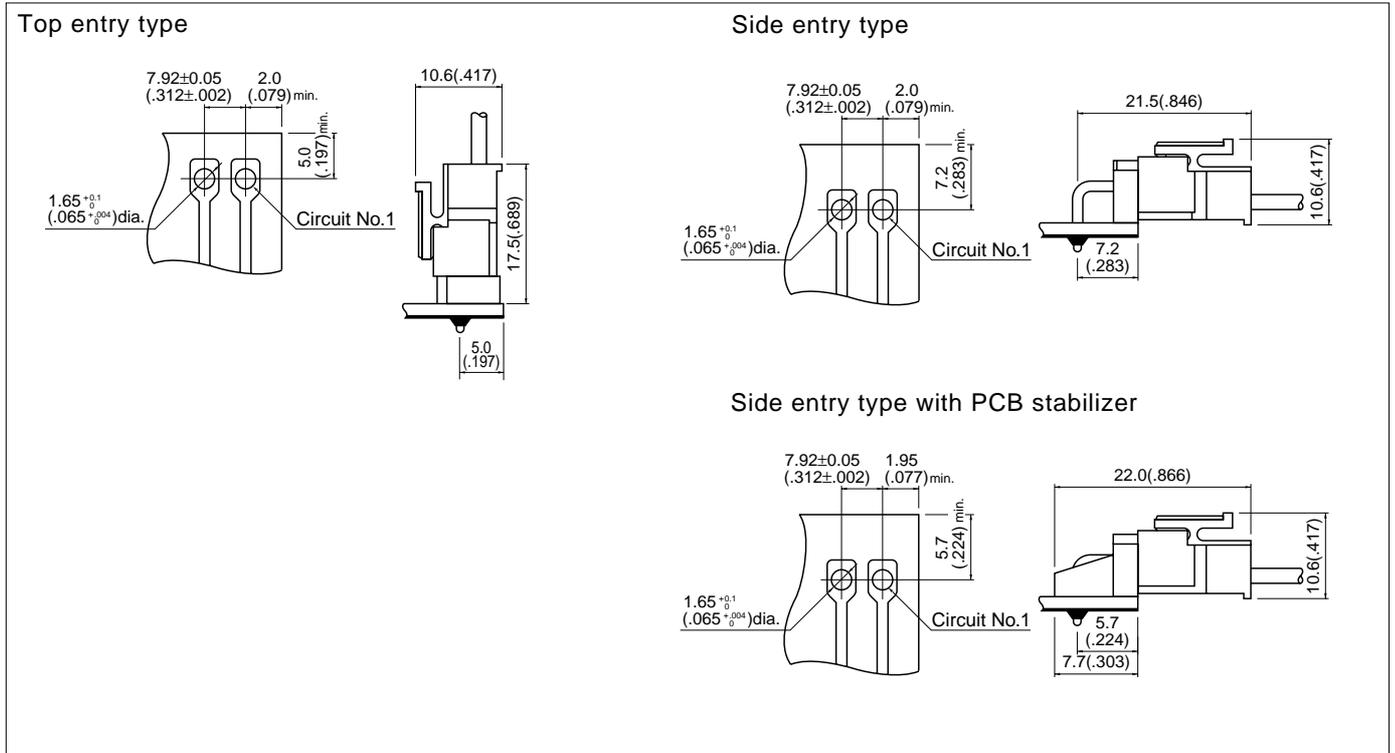
#### Material and Finish

Post: Brass, copper-undercoated, tin/lead-plated  
Wafer: Nylon 66, UL94V-0, natural (white)

<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. **B2P3(S)-VH-oo**  
(blank)...natural (white)  
BK...black R...red BL...blue Y...yellow
- ex. **S2P3-VH-oo**  
(blank)...natural (white)  
K...black R...red Y...yellow

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



**Note:**

1. Tolerances are non-cumulative:  $\pm 0.05\text{mm} (\pm .002")$  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.

## Applicator for the semi-automatic press AP-K2N

Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
SVA-41T-P1.1	APLMK SVA41-11	APLNC SVA41-11	-	-	APLSC SVA41-11