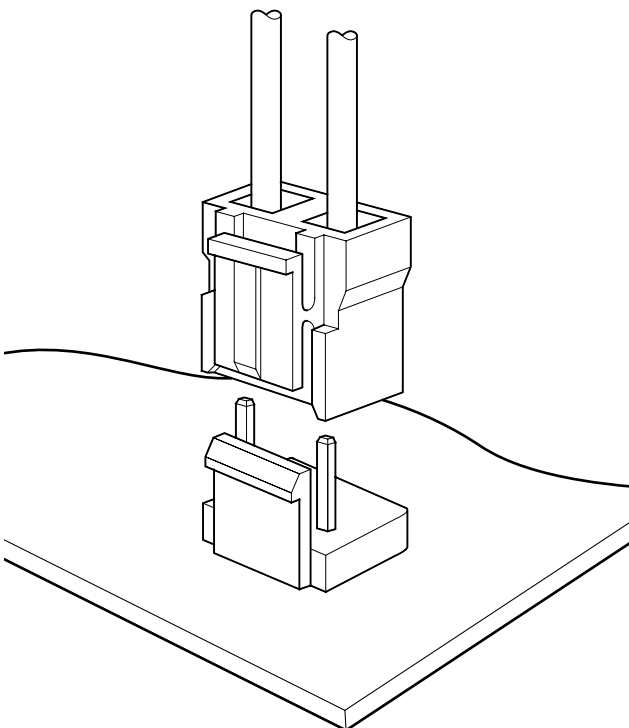


# VA CONNECTOR

*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.

### • **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").

### • **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).

## Specifications

- Current rating: 7.0A AC, DC
- Voltage rating: 250V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10mΩ max.  
After environmental testing/20mΩ max.
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 1,200V AC/minute
- Applicable wire: AWG #20 to #18
- Applicable PC board thickness: 1.6mm(.063")

## Standards

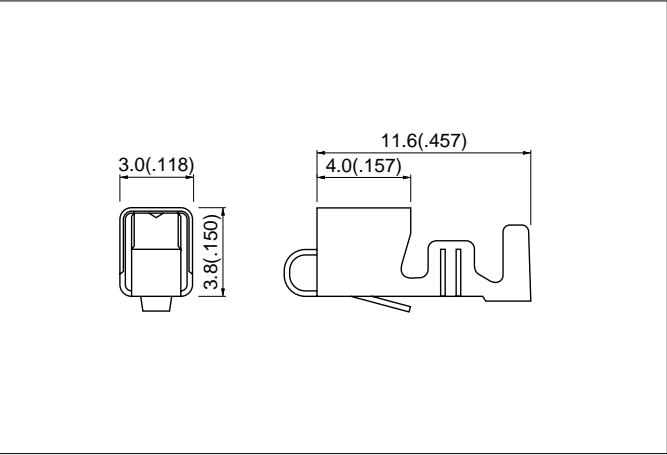
Recognized file No. E60389

Certified file No. LR20812

File No. R75122 (conforms to DIN/VDE 0627)

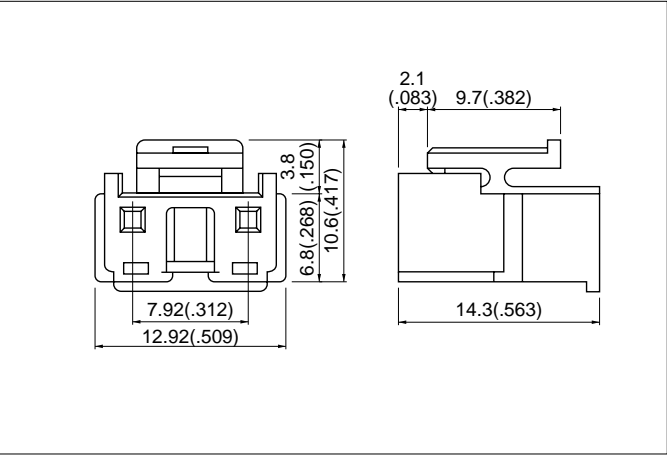
# VA CONNECTOR

## 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				

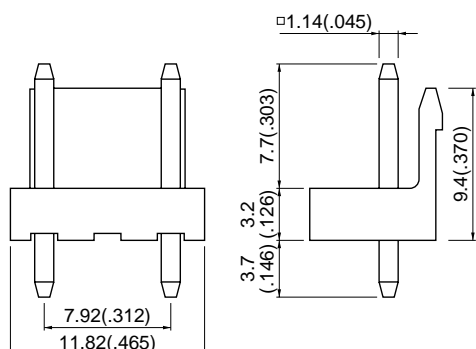
## Housing



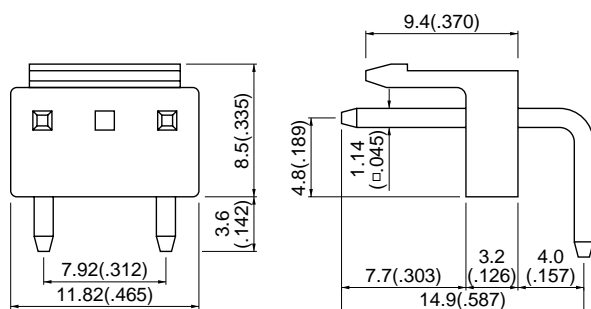
Circuits	Model No.	Q'ty / bag
2	<b>VAR-2</b>	1,000
Material		
Nylon 6, UL94V-0, natural (white)		

## Locking header

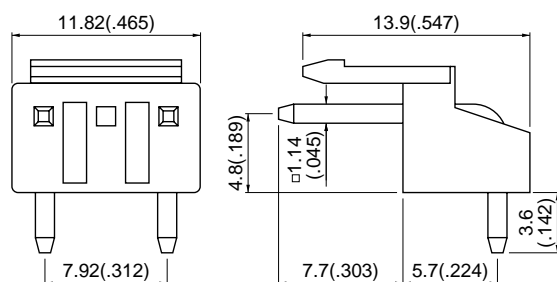
### Top entry type



### Side entry type



### Side entry type with PCB stabilizer



Circuits	Circuits	Model No.	Q'ty / 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

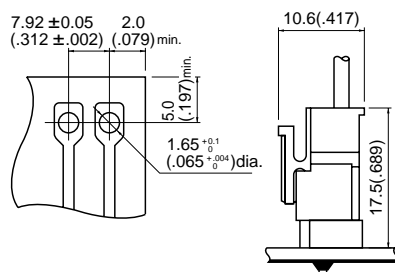
#### Material and Finish

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

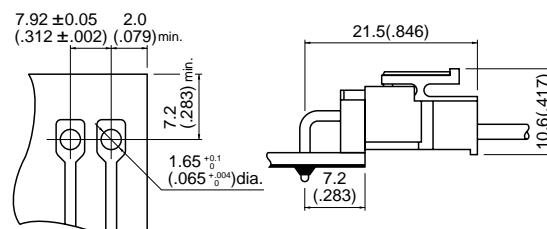
# VA CONNECTOR

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

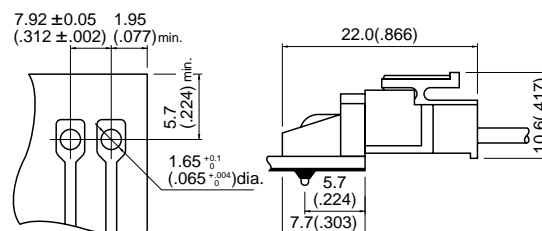
Top entry type



Side entry type



Side entry type with PCB stabilizer



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.