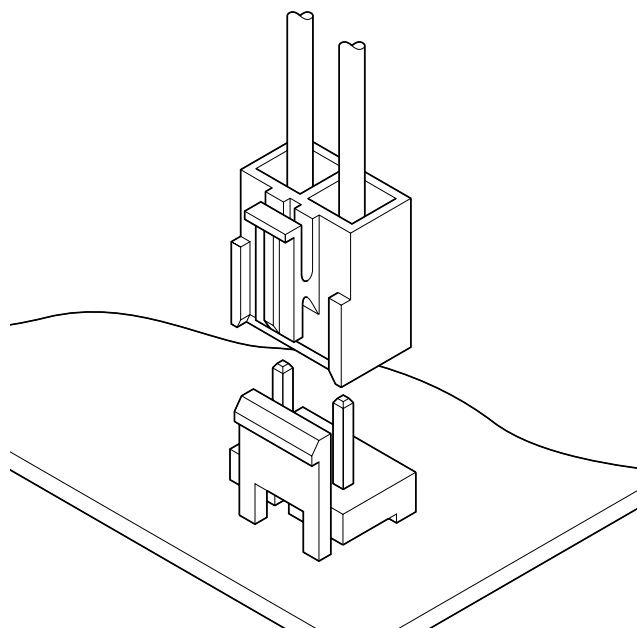




# NV CONNECTOR

**5.0mm pitch/Disconnectable Crimp style connectors**



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

## Specifications

- Current rating: 10 A AC, DC (AWG #16)
- Voltage rating: 250 V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.  
After environmental tests/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 1,500 VAC/minute
- Applicable wire: AWG #22 to #16
- Applicable PC board thickness: 1.6 mm
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.
- \* Compliant with RoHS.

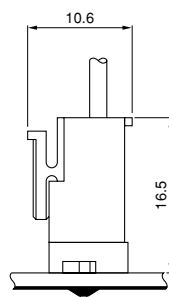
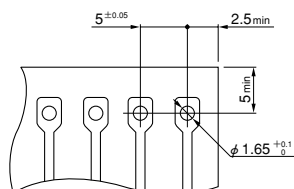
## Standards

Recognized E60389

Certified LR20812

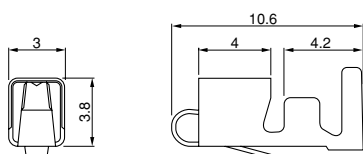
R9251676

## PC board layout and Assembly layout



Note: 1. The above figure is the figure viewed from the connector soldering side.  
2. Tolerances are non-cumulative:  $\pm 0.05$  mm for all centers.  
3. Hole dimensions differ according to the type 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 <sup>2</sup>	AWG#		
<b>SVH-21T-P1.1</b>	0.33~0.83	22~18	1.7~3.0	4,500
<b>SVH-41T-P1.1</b>	0.5 ~1.25	20~16	1.7~3.0	3,500

### Material and Finish

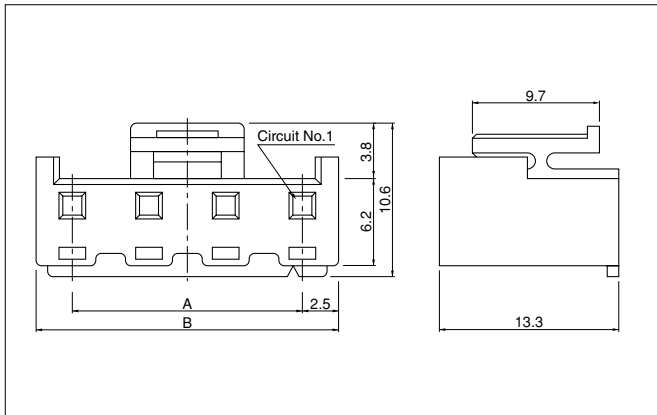
Phosphor bronze, tin-plated (reflow treatment)

### RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SVH-21T-P1.1	AP-K2N	MKS-L	MK/SVH-21-11	APLMK SVH21-11
		*MKS-SC	SC/SVH-21-11	APLSC SVH21-11
SVH-41T-P1.1		MKS-L	MK/SVH-41-11	APLMK SVH41-11
—		—	—	

Note: \*Strip-crimp applicator

## Housing



Circuits	Model No.	Dimensions (mm)		Q'ty/ bag
		A	B	
2	<b>NVR-02</b>	5.0	10.0	1,000
3	<b>NVR-03</b>	10.0	15.0	500
4	<b>NVR-04</b>	15.0	20.0	1,000

### Material

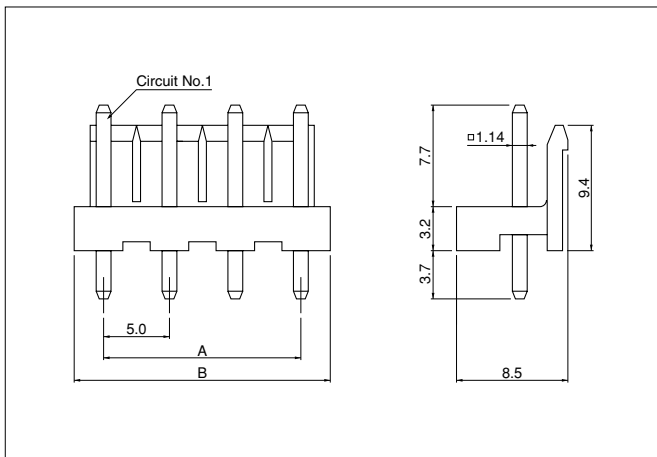
PA 6, UL94V-0, natural (white)

### 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. **NVR-02-oo**  
(blank)...natural (white)  
E...blue

## Header



Circuits	Model No.	Dimensions (mm)		Q'ty/ box
		A	B	
2	<b>B02P-NV</b>	5.0	10.0	1,000
3	<b>B03P-NV</b>	10.0	15.0	700
4	<b>B04P-NV</b>	15.0	20.0	500

### Material and Finish

Post: Brass, copper-undercoated, tin-plated (reflow treatment)

Wafer: B02P-NV...PA 66, UL94V-0, natural (white)

B03P-NV & B04P-NV...Glass-filled PBT, UL94V-0, natural (white)

**RoHS compliance** This product displays (LF)(SN) on a label.

<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. **B02P-NV-oo**  
(blank)...natural (white)  
BL...blue