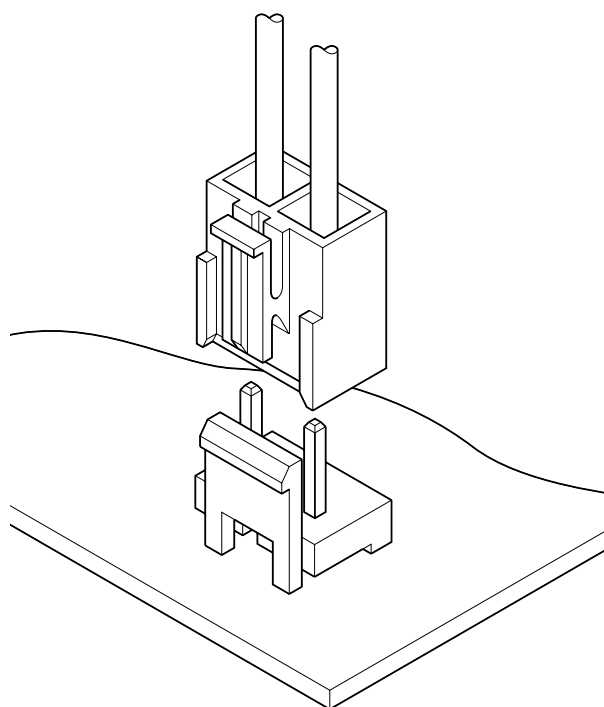


NV CONNECTOR

Disconnectable Crimp style connectors



This 5.0mm (.197") pitch crimp style connector has been developed based on the box-shaped leaf contacts used successfully in the VH connector. The connector is suitable for a wide range of applications, from low-voltage, low-current signal circuits to power supply circuits requiring large currents.



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Features

• Side stackable

Connectors can be stacked side by side without causing pitch loss, and thus the number of circuits can easily be changed even after the design is finalized. This increases the engineer's freedom in designing printed circuit boards.

• 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 16.5mm (.650").


• 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/20m Ω max.
 - Insulation resistance: 1,000MΩ min.
 - Withstanding voltage: 1,500V AC/minute
 - Applicable wire: AWG #22 to #18
 - Applicable PC board thickness: 1.6mm(.064")
- * Contact JST for details.

Standards

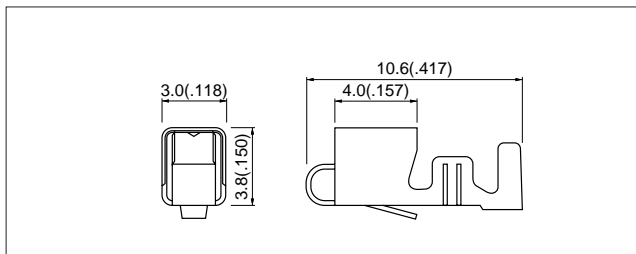
 Recognized file No. E60389

 Certified file No. LR20812

 File No. R9251676 (conforms to DIN/VDE 0627)

NV CONNECTOR

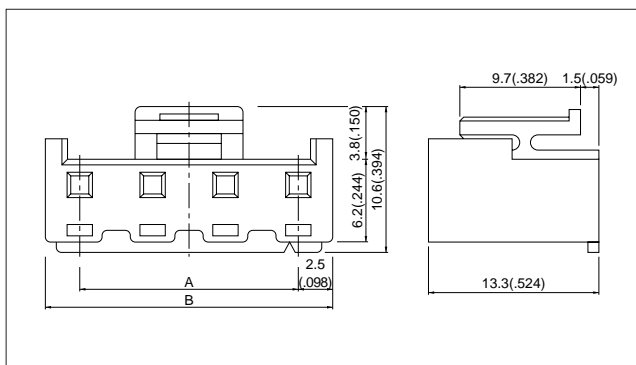
Contact



Model No.	Applicable wire			Q'ty / reel
	mm ²	AWG #	Insulation O.D. mm(in.)	
SVH-21T-P1.1	0.33 to 0.83	22 to 18	1.7 to 3.0(.067 to .118)	4,500

Material and Finish
Phosphor bronze, tin-plated

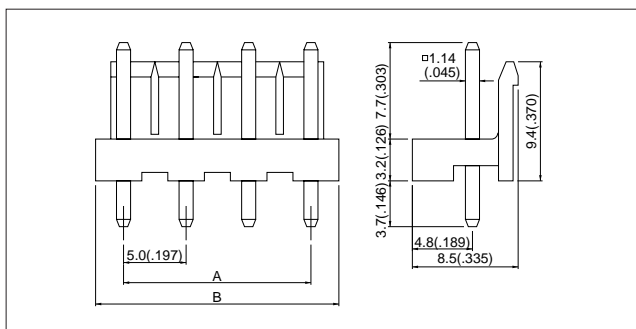
Housing



Circuits	Model No.	Dimensions mm(in)		Q'ty / bag
		A	B	
2	NVR-02	5.0(.197)	10.0(.394)	1,000
4	NVR-04	15.0(.591)	20.0(.787)	1,000

Material
Nylon 6, UL94V-0, natural (white)

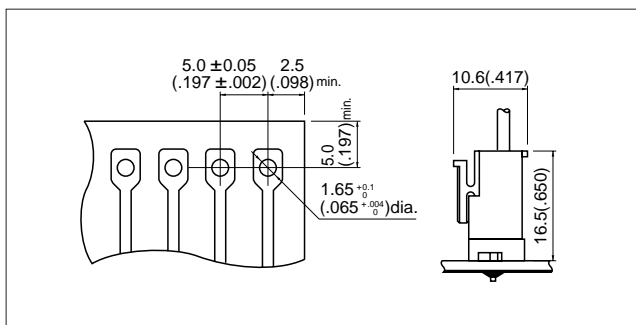
Locking header



Circuits	Model No.	Dimensions mm(in)		Q'ty / box
		A	B	
2	B02P-NV	5.0(.197)	10.0(.394)	1,000
4	B04P-NV	15.0(.591)	20.0(.787)	500

Material and Finish
Post: Brass, copper-undercoated, tin/lead-plated Wafer: B02P-NV;Nylon 66,UL94V-0, natural (white) B04P-NV;Glass-filled PBT, UL94V-0, natural (white)

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



- Note:
1. Tolerances are non-cumulative: ±0.05mm(±.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.