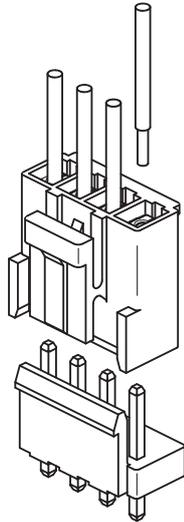


VH CONNECTOR

3.96 mm pitch / Wire-to-Board mating style / Quick-connect type



Quick-connect type for use with solid wire can be successfully utilized in a wide range of applications. Wire harness assembly can be conveniently performed on-site by simply inserting stripped solid wire into the connector housing. This operation is ideal for making on-the-spot electrical connections at the worksite.

- Quick-connect type using solid wire without the need for crimping or application tooling.
- Highly reliable box-shaped housing with pre-installed contacts
- Small size, large capacity

Specifications

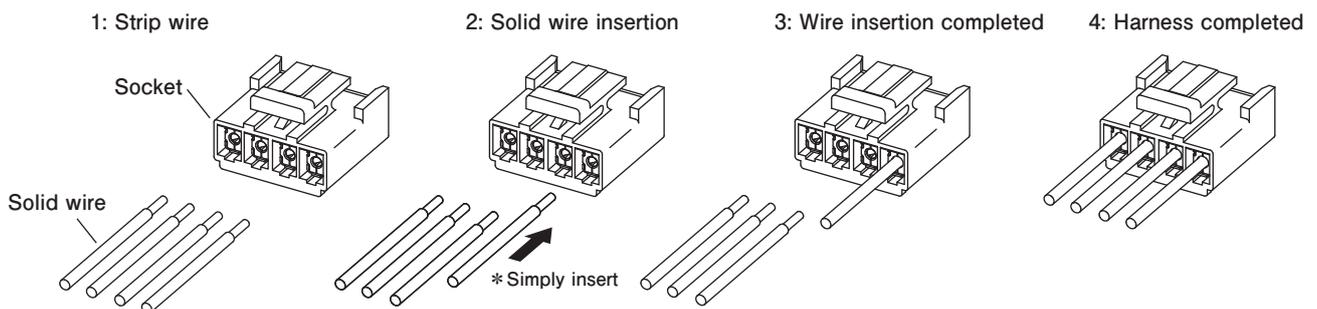
- Current rating: 7 A AC/DC
(Based on $\phi 1.0$ mm size solid wire)
- Voltage rating: 250 V AC/DC
- Temperature range: -25°C to $+105^{\circ}\text{C}$
(including temperature rise in applying electrical current)
- Contact resistance:
Initial value/ 10 m Ω max.
After environmental tests/ 20 m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage:
There shall be no breakdown or flashover while applying 1,500 VAC for one minute.
- Applicable wire: Insulated solid copper wire
Conductor size/ $\phi 0.8$ mm to $\phi 1.0$ mm
Insulation O.D./ $\phi 1.1$ mm to $\phi 1.3$ mm
- Applicable PC board thickness: 1.6 mm
- * Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

Standards

For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

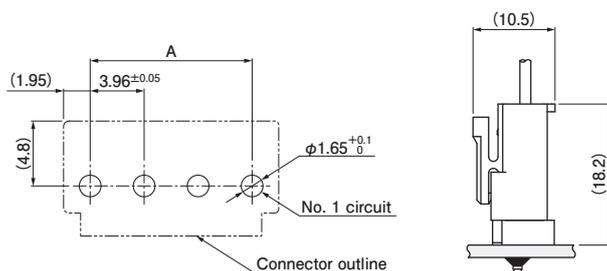
* Specifications registered to overseas standards may differ from the general specifications listed above.

Wire installation process



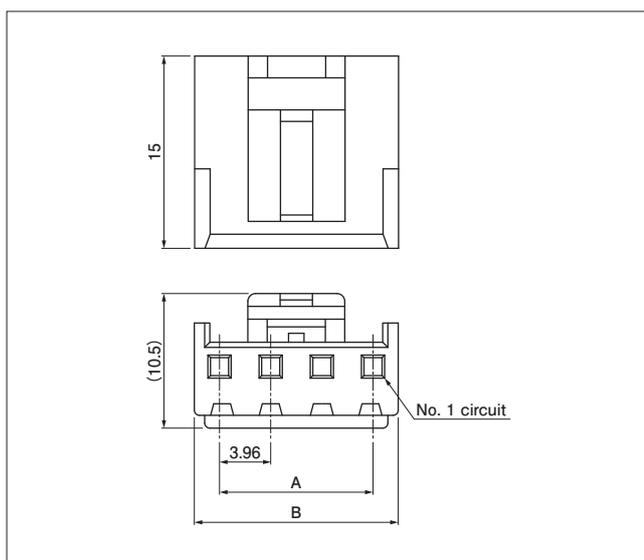
VH CONNECTOR (Quick-connect type)

PC board layout and Assembly layout



- Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.
 2. Tolerance for the PCB hole pitch shall be ± 0.05 and shall not accumulate.
 3. Dimensions A: See "Header" section on page 2.
 4. Hole dimensions differ depending on the type of PCB and PCB drilling method.
 The above dimensions are for reference only.
 Please contact JST for further details.

Socket



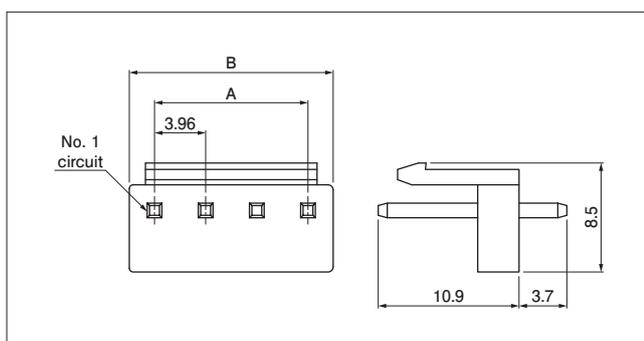
No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
4	04VH-PKT-40	11.88	15.78	500

Material and Surface finish, etc.

Housing: PA, natural (white)
 Contact : Copper alloy, tin-plated

- Note 1. Please contact JST for other circuit numbers.
 2. For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

Header



No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
4	B4P-VH	11.88	15.78	500

Material and Surface finish, etc.

Post: Copper alloy, tin-plated
 Base housing: PA, natural (white)

- Note: 1. This product displays (LF) (SN) on a label.
 2. For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

VH CONNECTOR (Quick-connect type)

Model number allocation

Socket

	04	VH - PK	T -	40
No. of circuits				
Series name				
Assembly product:				
Housing with pre-installed contacts				
for assembly with solid wire				
Contact surface finish: Tin-plated				
Applicable wire range: Conductor size: ϕ 0.8 mm to ϕ 1.0 mm				
Insulation O.D.: ϕ 1.1 mm to ϕ 1.3 mm				

Header

	B	4P	■ -	VH -	■
Assembly product					
No. of circuits					
PCB mounting style:					
No indication...Top entry type					
Series name					
Color: No indication...Natural (White), BK...Black					