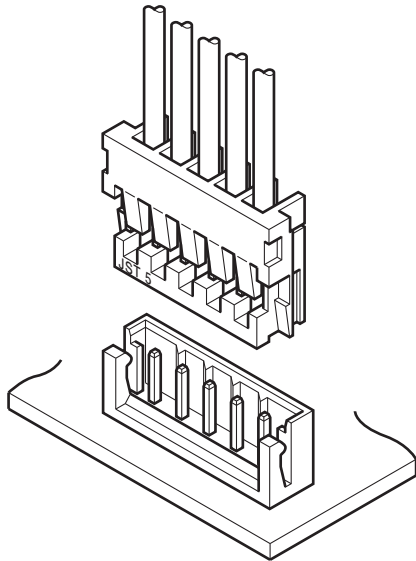


HR CONNECTOR

2.5 mm pitch/Wire-to-Board connectors/Crimp style and Mating style



This is a wire-to-board connector that meets the requirements of high-density board mounting. In spite of being thin-profile and narrow in terms of dimensions, this connector still offers a highly reliable contact design with excellent workability in the wire harness assembly and mating process.

- Thin profile
- High contact reliability
- Excellent wire harness and mating workability
- Versatility

■ Specifications

- Current rating: 3 A AC/DC (AWG #22)
 - 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:
 - There shall be no breakdown or flashover while applying 1,000 VAC for one minute.
 - Applicable wire range:
 - Conductor size/ AWG #26 to AWG #22
 - Insulation O.D./ φ 1.3 mm to φ 1.7 mm
 - Applicable PC board thickness: 0.8 mm to 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.

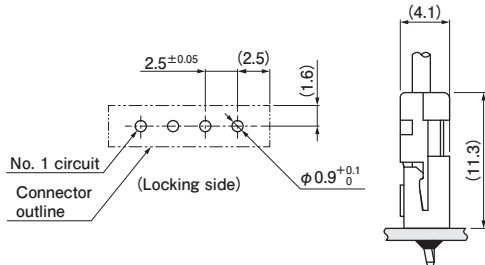
■ Standards

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).

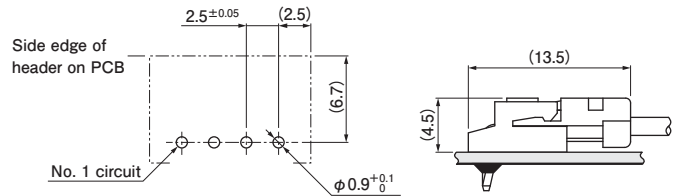
* Specifications registered to overseas standards may differ from the general specifications listed above.

PC board layout and Assembly layout

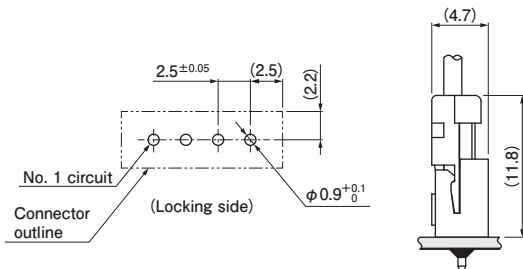
Top entry type



Side entry type

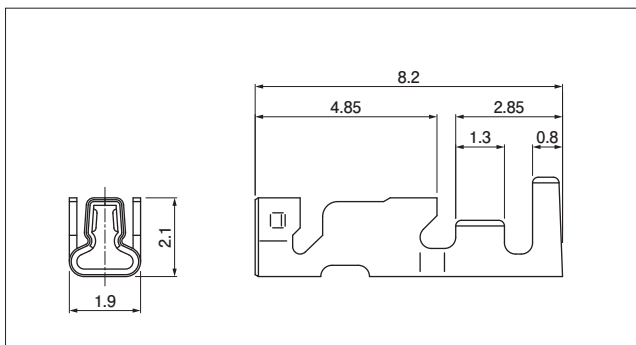


Radial taping



- 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. Hole dimensions differ depending on the type of PCB and PCB drilling method.
 When using PCB made of hard material composed of fiberglass cloth, please consider a larger hole diameter.
 The above dimensions are reference values. Please contact JST for details.

Contact



Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm ²)	Insulation O.D. (mm)	
SHR-001T-P0.6	#26 to #22 (0.13 to 0.33)	1.3 to 1.7	9,000

Material and Surface finish, etc.

Phosphor bronze, tin-plated

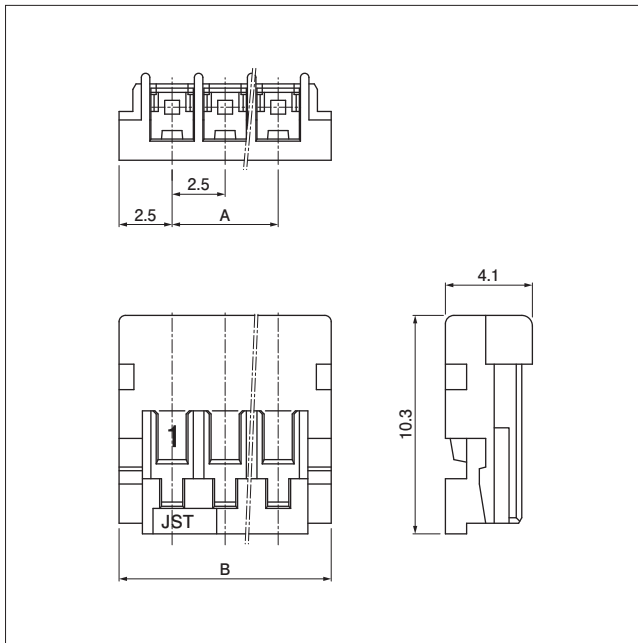
Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SHR-001T-P0.6	AP-K2N	MKS-L	APLMK SHR/MR001-06

Note: Contact JST for fully automatic crimping applicator.

HR CONNECTOR

Housing



No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
2	HRP-02-S	2.5	7.5	2,000
3	HRP-03-S	5.0	10.0	2,000
4	HRP-04-S	7.5	12.5	1,000
5	HRP-05-S	10.0	15.0	1,000
6	HRP-06-S	12.5	17.5	1,000
7	HRP-07-S	15.0	20.0	500
8	HRP-08-S	17.5	22.5	500
9	HRP-09-S	20.0	25.0	500
10	HRP-10-S	22.5	27.5	500
11	HRP-11-S	25.0	30.0	500
12	HRP-12-S	27.5	32.5	500
13	HRP-13-S	30.0	35.0	250

Material and Surface finish, etc.

PA 66, natural (white)

Note: 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

For details on the header that mates with this connector, please refer the EH connector catalog.

Model number allocation

Contact

S HR - 001 T - P 0.6

Supply form: Strip form	_____
Series name	_____
Applicable wire range: AWG #26 to AWG #22	_____
Surface finish: Tin-plated	_____
Material: Phosphor bronze	_____
Applicable pin or post size	_____

Housing

HR P - 02 - S

Series name	_____
Type: Plug	_____
No. of circuits	_____
Color: S...Natural (White), K...Black, E...Blue, Y...Yellow	_____