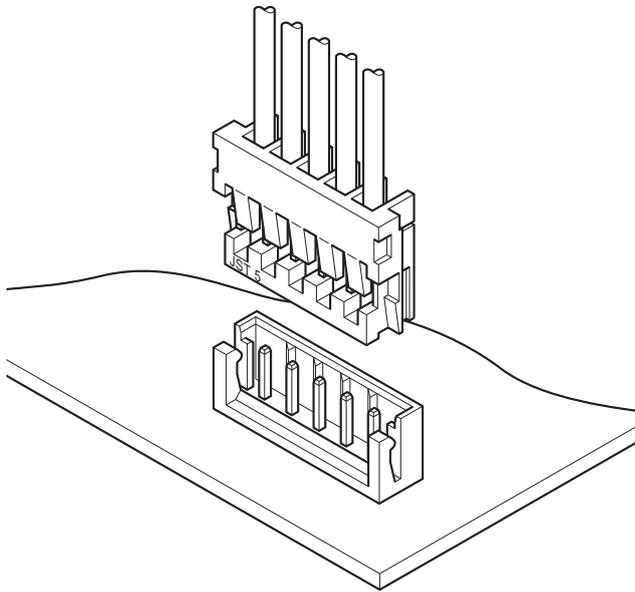


# HR CONNECTOR



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



This thin type 2.5 mm pitch connector is an IDC style for PC boards. It is developed by integrating the technologies of crimp style connectors such as EH and PH, and IDC style connectors such as NR, DR, and DB. The In-line method that the wire extraction direction is perpendicular to the board provides high-density wiring.

- Twin U-slot insulation displacement section
- Thin design
- High reliability
- In-line method
- Strain relief
- Interchangeability

## Specifications

- Current rating: 2 A AC, DC (AWG #24)
  - 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: 1,000 VAC/minute
  - Applicable wire: UL1007  
(Please contact JST for details regarding the use of other UL style wires.)  
AWG #28, #26, #24  
Conductor/ 7 strands, tin-coated  
Insulation O.D./  $\phi$ 1.0 mm to  $\phi$ 1.5 mm
  - Applicable PC board thickness: 0.8 mm to 1.6 mm
- \* RoHS2 compliance.  
\* 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.  
\* Contact JST for details.

## Standards

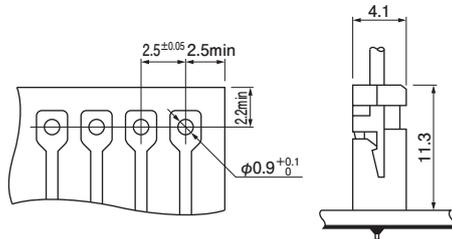
For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

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

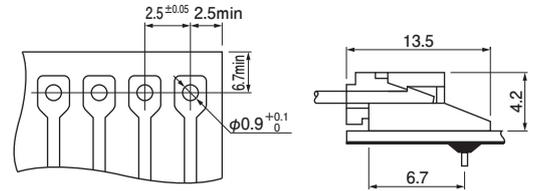
# HR CONNECTOR

## PC board layout and Assembly layout

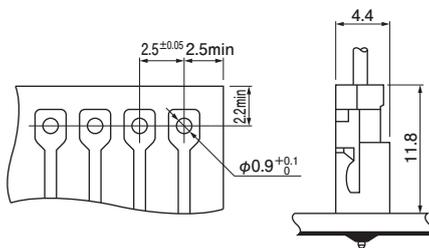
### Top entry type



### Side entry type

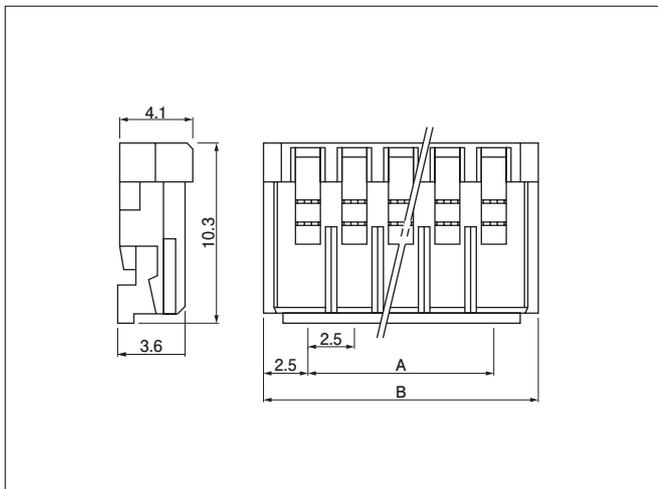


### Top entry type on radial-tape



- Note 1. The PC board layout is the figure viewed from the soldering side.  
 2. Tolerance for the PCB hole pitch shall be  $\pm 0.05$  and shall not accumulate.  
 3. Hole dimensions differ according to the type of PC board and piercing method.  
 If PC boards made of hard material are used, the hole dimensions should be larger.  
 The above dimensions are reference values. Please contact JST for details.

## Socket



No. of circuits	Model No.			Dimensions (mm)		Q'ty / box
	AWG #28 (green)	AWG #26 (natural/white)	AWG #24 (black)	A	B	
2	02HR-8M-P-N	02HR-6S-P-N	02HR-4K-P-N	2.5	7.5	1,000
3	03HR-8M-P-N	03HR-6S-P-N	03HR-4K-P-N	5.0	10.0	1,000
4	04HR-8M-P-N	04HR-6S-P-N	04HR-4K-P-N	7.5	12.5	1,000
5	05HR-8M-P-N	05HR-6S-P-N	05HR-4K-P-N	10.0	15.0	1,000
6	06HR-8M-P-N	06HR-6S-P-N	06HR-4K-P-N	12.5	17.5	1,000
7	07HR-8M-P-N	07HR-6S-P-N	07HR-4K-P-N	15.0	20.0	500
8	08HR-8M-P-N	08HR-6S-P-N	08HR-4K-P-N	17.5	22.5	500
9	09HR-8M-P-N	09HR-6S-P-N	09HR-4K-P-N	20.0	25.0	500
10	10HR-8M-P-N	10HR-6S-P-N	10HR-4K-P-N	22.5	27.5	500
11	11HR-8M-P-N	11HR-6S-P-N	11HR-4K-P-N	25.0	30.0	500
12	12HR-8M-P-N	12HR-6S-P-N	12HR-4K-P-N	27.5	32.5	500
13	13HR-8M-P-N	13HR-6S-P-N	13HR-4K-P-N	30.0	35.0	250
15	—	15HR-6S-P-N	15HR-4K-P-N	35.0	40.0	250

### Material and Surface finish, etc.

Contact: copper alloy, tin-plated (reflow treatment)  
 Housing: PA 66

### RoHS2 compliance

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).

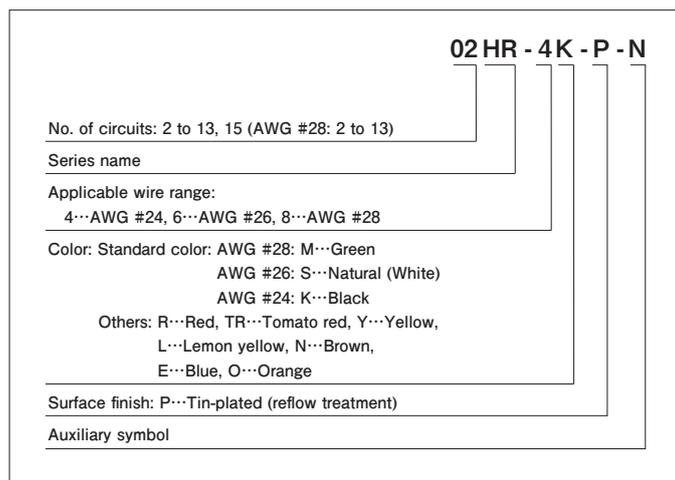
# HR CONNECTOR

## Header

The headers are interchangeable with those of the EH and HR crimp style connectors.

## Model number allocation

### Socket



Note: Depending on the colors, it may take some time for delivery.