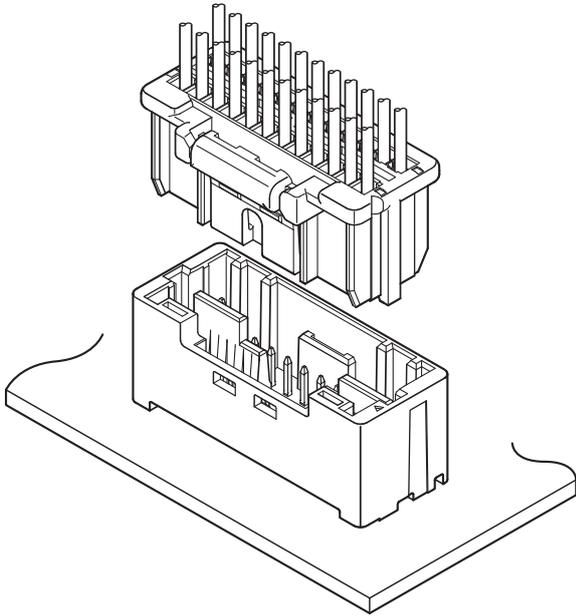


# PJD CONNECTOR

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



This 2.0 mm pitch, dual-row, wire-to-board connector features a secure locking system and low insertion force contacts which allow for improved workability in equipment assembly lines.

The mating lengths on the header side of the ground and signal/power pins are different in length to provide a mating phase differential of 2.4 mm.

This enables a reliable sequence in the insertion and withdrawal process when connecting the header to the socket while improving circuit protection and safety of electronic equipment.

- Sequence structure
- Secure lock mechanism
- Low insertion force
- Header designed to prevent pins from deformation and bending

## ■ Specifications

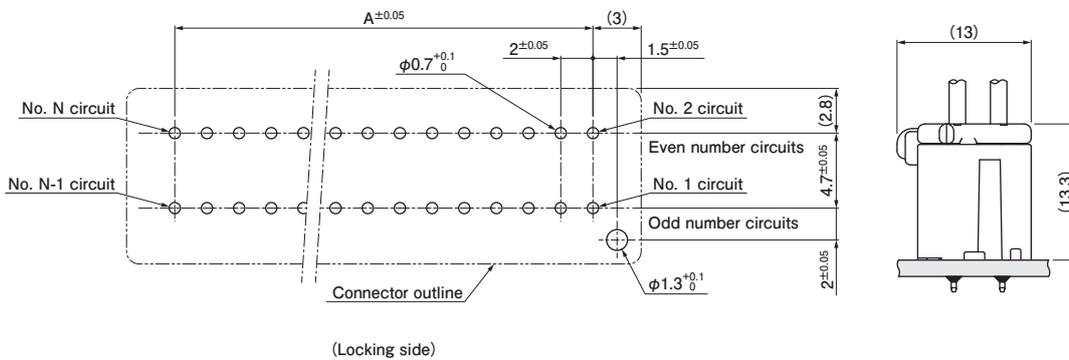
- Current rating: 3 A AC/DC (AWG #22)
- Voltage rating: 250 V AC/DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance:
  - Initial value/ 20 mΩ max.
  - After environmental tests/ 30 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage:
  - There shall be no breakdown or flashover while applying 800 VAC for one minute.
- Applicable wire range:
  - Conductor size/ AWG #26 to AWG #22
  - Insulation O.D./  $\phi$  0.95 mm to  $\phi$  1.5 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).

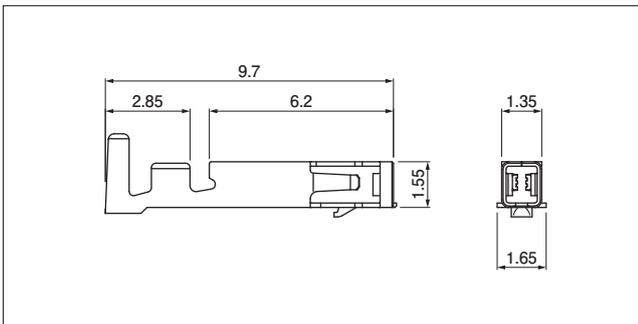
- \* Specifications registered to overseas standards may differ from the general specifications listed above.

## PC board layout and Assembly layout



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

## Contact



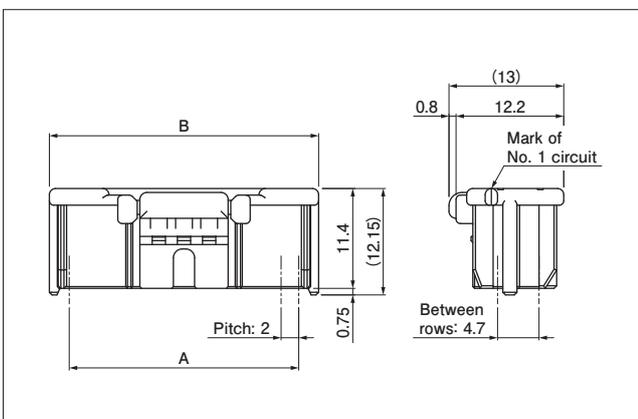
Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm <sup>2</sup> )	Insulation O.D. (mm)	
SPJD-001T-P0.5	#26 to #22 (0.13 to 0.33)	0.95 to 1.5	9,000
Material and Surface finish, etc.			
Copper alloy, tin-plated			

### Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SPJD-001T-P0.5	AP-K2N	MKS-L	APLMK SPJD001-05

Note: Contact JST for fully automatic crimping applicator.

## Socket housing

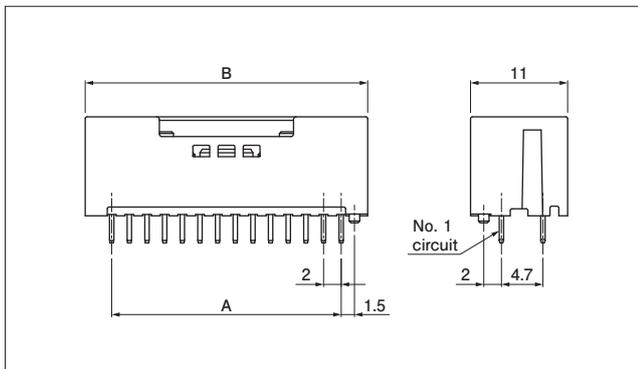


No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
20	PJDP-20V-K	18.0	22.5	500
22	PJDP-22V-K	20.0	24.5	500
24	PJDP-24V-K	22.0	26.5	500
28	PJDP-28V-K	26.0	30.5	400
40	PJDP-40V-K	38.0	42.5	300
Material and Surface finish, etc.				
PBT (Glass-filled), black				

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).

# PJD CONNECTOR

## Header



No. of circuits	Model No.		Dimensions (mm)		Q'ty/box
	4 ground circuits	2 ground circuits	A	B	
20	B20B-PJDKS-1	B20B-PJDKS-1-B	18.0	24.0	3,240
22	—	B22B-PJDKS-1-B	20.0	26.0	3,024
24	B24B-PJDKS-1	B24B-PJDKS-1-B	22.0	28.0	2,808
28	B28B-PJDKS-1	B28B-PJDKS-1-B	26.0	32.0	2,376
40	B40B-PJDKS-1	—	38.0	44.0	1,728

Material and Surface finish, etc.

Post: Copper alloy, copper-undercoated, tin-plated  
Wafer: PA 66 (Glass-filled), black

Note: 1. Pin assignment for connector with 4 ground circuits:  
1, 2, N-1 and N

Pin assignment for connector with 2 ground circuits: 1 and N  
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).

## Model number allocation

### Contact

**S PJD - 001 T - P 0.5**

Supply form: Strip form

Series name

Applicable wire range: AWG #26 to AWG #22

Surface finish: Tin-plated

Material: Copper alloy

Applicable post size

### Socket housing

**PJD P - 24 V - K**

Series name

Type: Plug

No. of circuits

Sub model number

Color: K...Black, S...Natural

### Header

**B 24 B - PJD K S - 1 - B**

Header type: Top entry type

No. of circuits

Assembly product

Series name

Color: K...Black, S...Natural

Clinched (Kinked)/ Not clinched: Straight

Polarizing boss: With boss

Ground circuit pattern:  
No indication...4 ground circuits  
(Pins 1, 2, N-1 and N are ground pins)  
B...2 ground circuits (Pin 1 and N are ground pins)