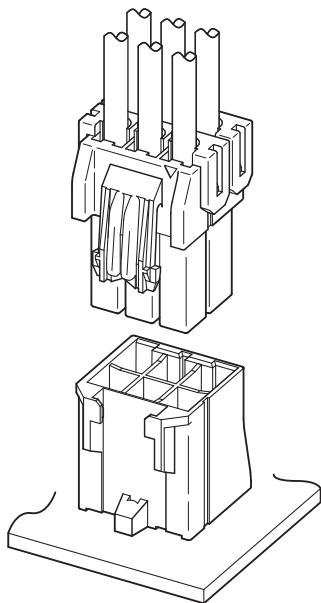


PW CONNECTOR <Type B>

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



This is a 3.96 mm pitch wire-to-board connector with a retainer-mountable housing made from Glow Wire test-compliant material.

- **Glow-wire compliant**

Meets the GWT 850°C standard, ensuring enhanced safety and reliability. Demonstrates improved protection and compliance in a wide range of household appliances.

- **Housing lance system**

Ensures smooth contact insertion to achieve a reliable connection.

- **Retainer**

Optional retainers enhance connection reliability by preventing incomplete insertion or accidental contact disengagement.

- **Secure lock mechanism**

Featuring a secure inner locking mechanism that minimizes disengagement caused by tension and torsion in wire routing.

- **Polarization boss**

Header comes with polarization boss to prevent incorrect insertion into the circuit board.

Specifications

- Current rating: 8 A AC/ DC (2 circuits, AWG #18)

Note: The table below lists the current rating by number of circuits and wire size, with the assumption that each number of circuits is used.

Unit: A

No. of circuits	Wire size (AWG)				
	#18	#20	#22	#24	#26
2	8	7	5	4	3
4	7	6	4	3	2
6	6	5	3	2	2
8	6	5	3	2	2

- Voltage rating: 250 V AC/ DC
- Temperature range: -40 °C to +105 °C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After test/ 10 mΩ max.
(Variation from initial value)
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage:
There shall be no breakdown or flashover while applying 2,200 V AC for one minute.
- Applicable wire range:
Conductor size/ AWG #26 to AWG #18
Insulation O.D./ ϕ 1.3 mm to ϕ 2.8 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.

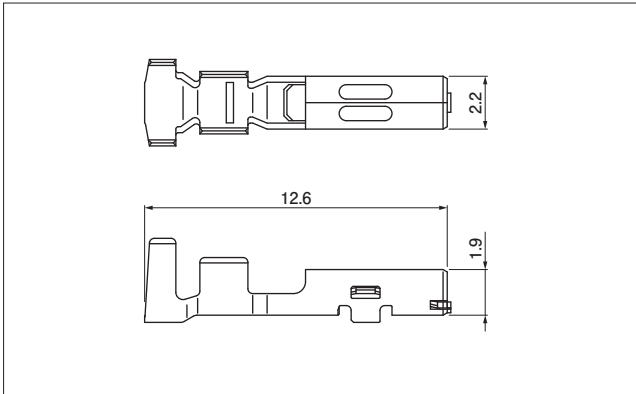
Standards

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.

PW CONNECTOR <Type B>

Contact



Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm ²)	Insulation O.D. (mm)	
SSF-01T-P1.4AB (W)	#26 to #24 (0.13 to 0.22)	1.3 to 2.8	4,000
SSF-21T-P1.4AB (W)	#22 to #18 (0.33 to 0.83)	1.5 to 2.8	4,000

Material and Surface finish, etc.

Copper alloy, tin-plated

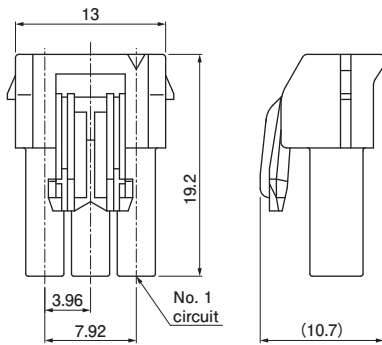
Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SSF-01T-P1.4AB (W)	AP-K2N	MKS-L	APLMK SSF01-14-PWB-W
SSF-21T-P1.4AB (W)			APLMK SSF21-14-PWB

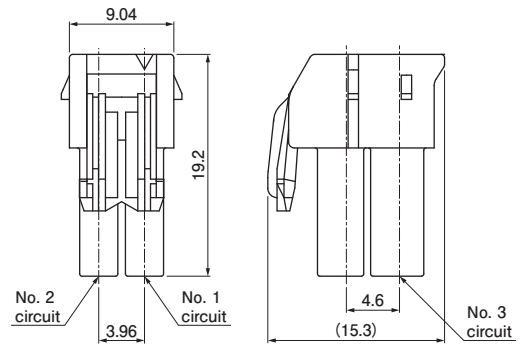
Note: Contact JST for fully automatic crimping applicator.

Housing

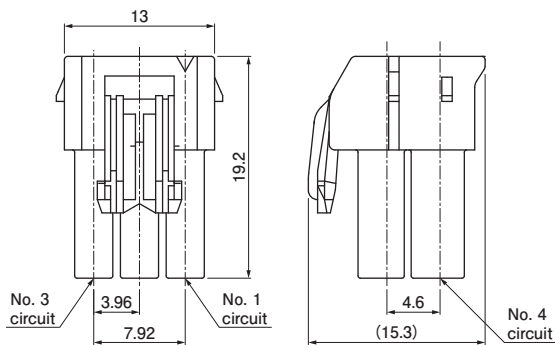
<3 circuits> * Mates with the 2-circuit header



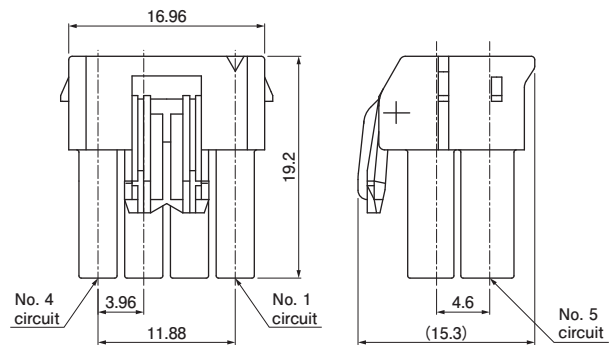
<4 circuits>



<6 circuits>



<8 circuits>



No. of circuits	Model No.	Q'ty/bag
3	PWBP-03V-WGL1	1,000
4	PWBP-04V-WGL1	1,000
6	PWBP-06V-WGL1	1,000
8	PWBP-08V-WGL1	500

Material and Surface finish, etc.

Thermoplastic resin, natural

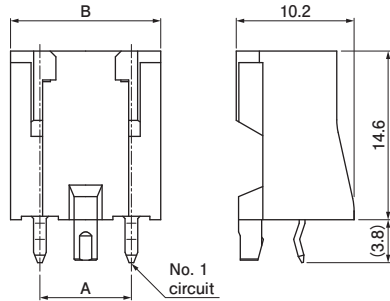
Note: For flame retardant grade of resin material used, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

PW CONNECTOR <Type B>

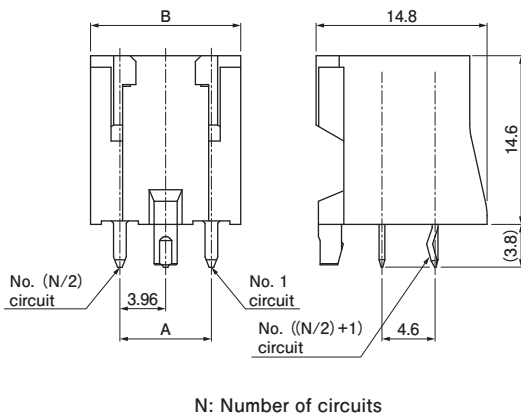
Header

<2 circuits>

* 3-circuit header with the 2nd circuit removed



<4, 6, 8 circuits>



No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
2	B02(7.92)B-PWBSK-1-C1	7.92	13.0	400
4	B04B-PWBSK-1D-C1	3.96	9.1	400
6	B06B-PWBSK-1D-C1	7.92	13.0	300
8	B08B-PWBSK-1D-C1	11.88	17.0	200

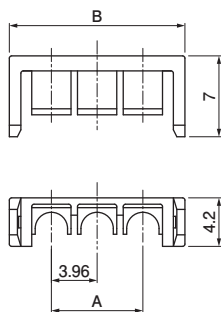
Material and Surface finish, etc.

Base contact: Copper alloy, tin-plated

Base housing: PA (GF), natural

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).

Retainer



No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
2	PWBS-02V	3.96	11.24	1,000
3	PWBS-03V	7.92	15.20	1,000
4	PWBS-04V	11.88	19.16	1,000

Material and Surface finish, etc.

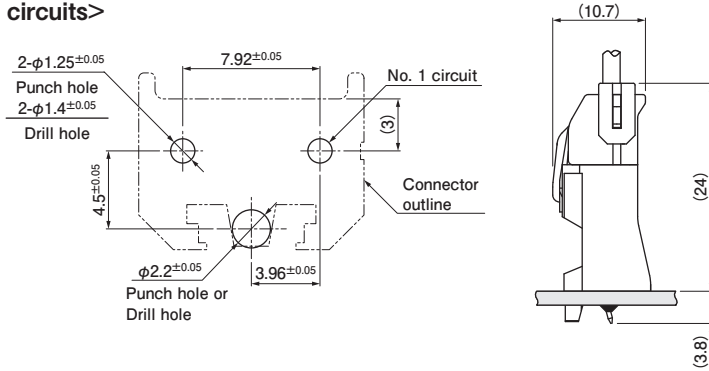
PA (GF), natural

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).

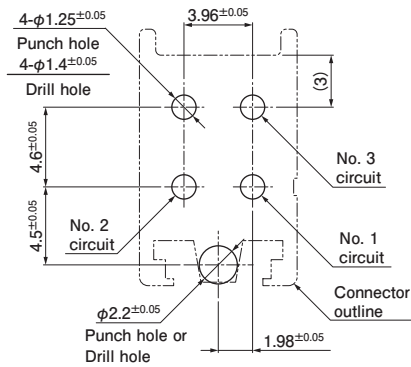
PW CONNECTOR <Type B>

PC board layout and Assembly layout

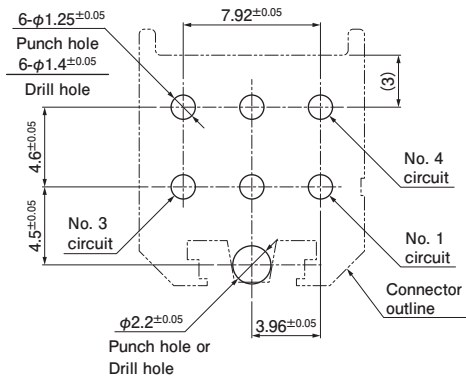
<2 circuits>



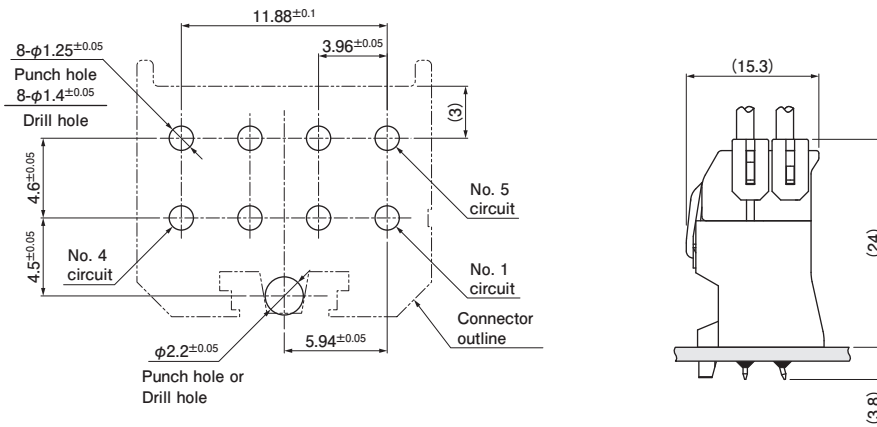
<4 circuits>



<6 circuits>



<8 circuits>



Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.
2. The above dimensions are for reference only. Please contact JST for further details.

PW CONNECTOR <Type B>

Model number allocation

Contact

S SF - 01 T - P 1.4 AB (W)

Supply form: Strip form

Series name

Applicable wire range:
01...AWG #26 to AWG #24
21...AWG #22 to AWG #18

Surface finish: Tin-plated

Material: Copper alloy

Applicable contact size

Sub model number

Sub model number

Housing

PWB P - 04 V - WGL1 - ■

Series name

Type: Plug

No. of circuits

Sub model number

Sub model number

Color: No indication...Natural, E...Blue, R...Red,
Y...Yellow, K...Black

Header

B 04 B - PWB ■ K - 1 D - C1

Header type:
Top entry type

No. of circuits

Assembly product

Series name

Color: S...Natural, E...Blue, R...Red,
Y...Yellow, K...Black

Clinched (Kinked) / Not clinched: Clinched

Polarizing boss: With boss

Number of rows: No indication...Single-row, D...Dual-row

Sub model number

Retainer

PWB S - 02 V

Series name

Type: Retainer

No. of circuits

Sub model number