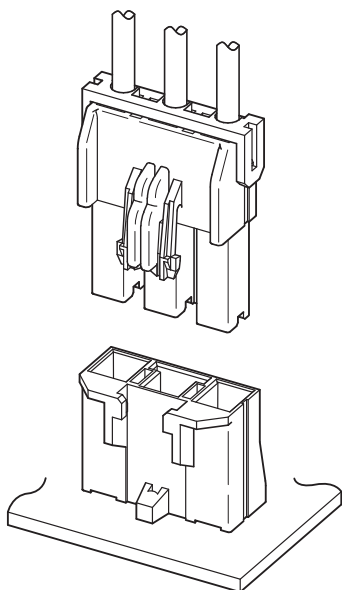


PW CONNECTOR <Type H>

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



This is a 6.5 mm pitch, 3-circuit wire-to-board connector capable of carrying up to 11 A, featuring housing made from Glow Wire test-compliant material.

- **High-current capacity**
Maximum current capacity of 11 A (when using AWG #16)
- **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: 11 A AC/DC (AWG #16)

Current ratings shown in the table below are based on AWG wire size when all circuits are loaded.

Unit: A		
AWG #16	AWG #18	AWG #20
11	9	7

- Voltage rating: 600 V AC/DC
- Temperature range: -30 °C to +105 °C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 5 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 #20 to AWG #16
Insulation O.D./ φ 1.8 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.

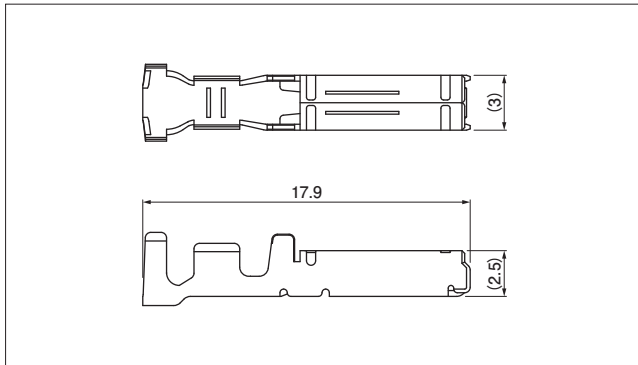
■ Standards

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 H>

Contact



Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm ²)	Insulation O.D. (mm)	
SF3F-41T-P2.0(LG)	#20 to #16 (0.5 to 1.25)	1.8 to 2.8	3,200

Material and Surface finish, etc.

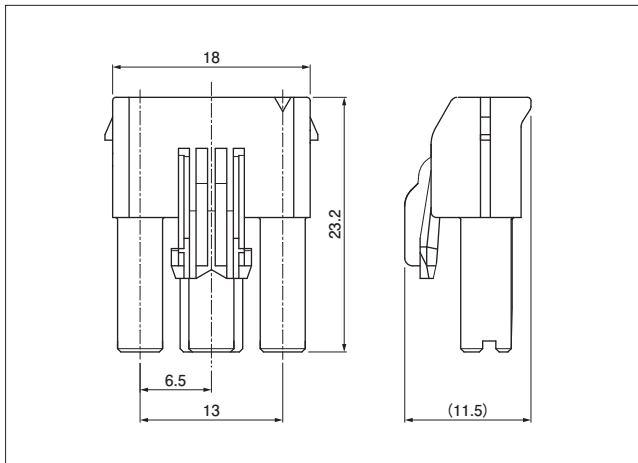
Copper alloy, tin-plated

Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SF3F-41T-P2.0(LG)	AP-K2N	MKS-L	APLMK SF3F/M41-20

Note: Contact JST for fully automatic crimping applicator.

Housing



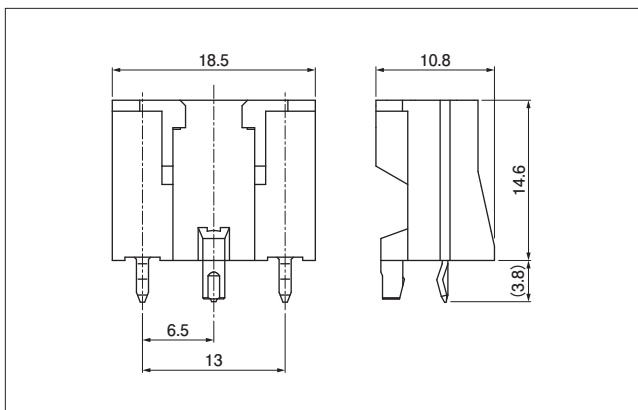
No. of circuits	Model No.	Q'ty/bag
3	PWHP-03V-WGL1-Y	1,000

Material and Surface finish, etc.

Thermoplastic resin, yellow

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



No. of circuits	Model No.	Q'ty/box
3	B03B-PWHYK-1-C1	300

Material and Surface finish, etc.

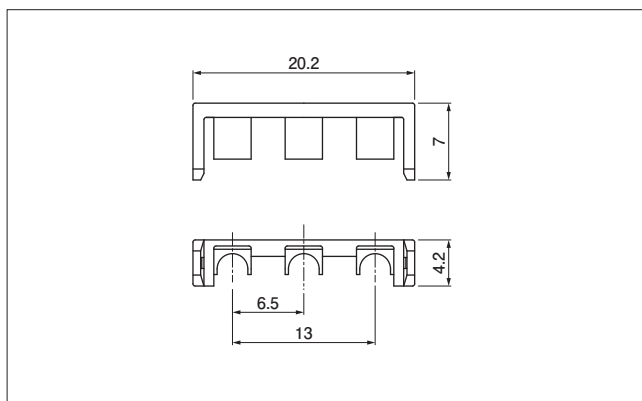
Base contact: Copper alloy, tin-plated

Base housing: PA (GF), yellow

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 H>

Retainer



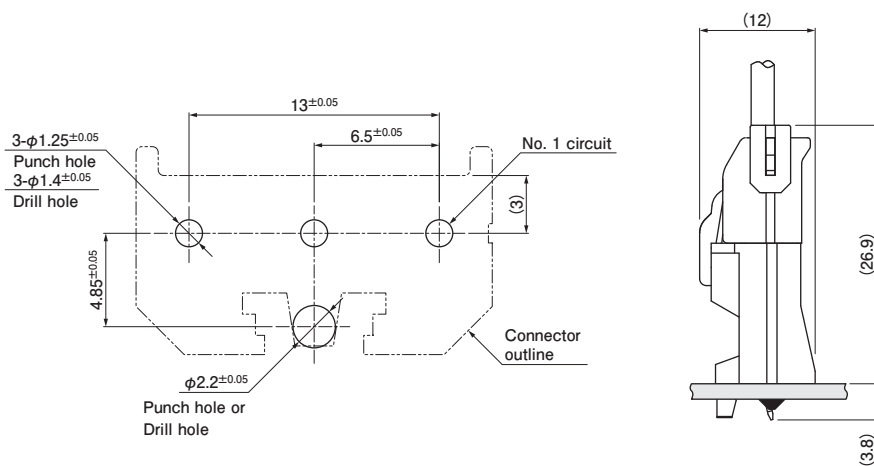
No. of circuits	Model No.	Q'ty/bag
3	PWCS-03V	1,000

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).

PC board layout and Assembly layout



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 H>

Model number allocation

Contact

	S	F3	F-41	T-P	2.0 (LG)
Supply form: Strip form					
Series name					
Type: Receptacle					
Applicable wire range: AWG #20 to AWG #16					
Surface finish: Tin-plated					
Material: Copper alloy					
Applicable contact size					
Sub model number					

Housing

	PWH	P-03	V-WGL1	-Y
Series name				
Type: Plug				
No. of circuits				
Sub model number				
Sub model number				
Color: Yellow				

Header

	B	03	B-PWH	Y	K-1	-C1
Header type: Top entry type						
No. of circuits						
Assembly product						
Series name						
Color: Yellow						
Clinched (Kinked) / Not clinched: Clinched						
Polarizing boss: With boss						
Sub model number						

Retainer

	PWC	S-03	V
Series name			
Type: Retainer			
No. of circuits			
Sub model number			