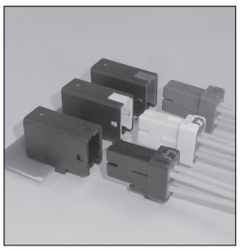
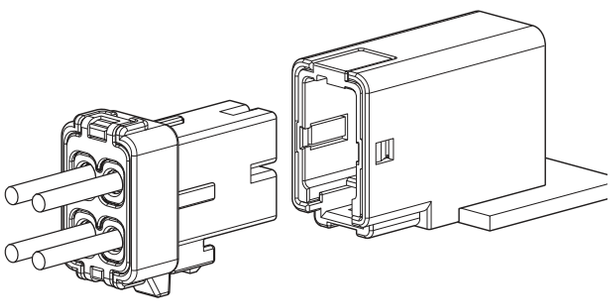


JWPS CONNECTOR

4.0 mm pitch/Disconnectable Crimp style connectors

(Combined use for both wire-to-board and wire-to-wire connections)



This JWPS connector can be used for the place of which especially waterproof is required.
This is the wire-to-board connector that is grade 7 ingress protection of JIS C 0920 (IPX7 of IEC 60529).

- Waterproof performance
- Contained seal ring
- Solid rubber seal
- Double-spring construction
- Housing-to-terminal locks
- Mis-mating prevention key

■ Standards

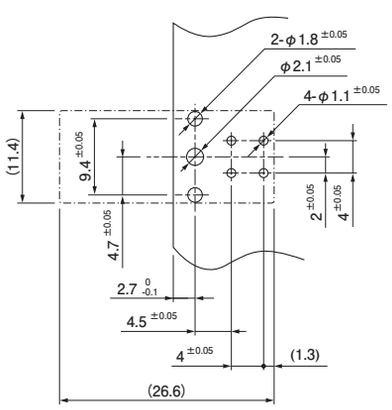
: Recognized E60389
: Certified R50218382

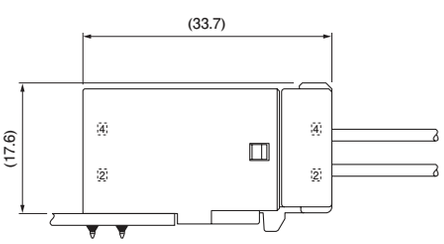
■ Specifications

- Current rating: 4 A AC/DC (AWG #22)
  : 5 A AC/DC (AWG #20)
  : 6 A AC/DC (AWG #18)
- Voltage rating: 300 V AC/DC
- Temperature range: -55℃ to +85℃
  (including temperature rise in applying electrical current)
- Applicable wire: Conductor size/ AWG #22 to #18
  Insulation O.D./ 1.75 to 2.5 mm
- Applicable PC board thickness: 1.6 mm
- Waterproof grade: Grade 7 ingress protection of JIS C 0920 (IPX7 of IEC 60529)
  (*Since the waterproof performance is not available at the opposite side of mating entrance, waterproof treatment is required, if necessary.)

* In using the products, refer to "Handling Precaution for Terminals and Connectors"described on our website (Technical documents of Product infomation page).
* Dimensional unit: mm
* RoHS2 Compliance
* Contact JST for details.

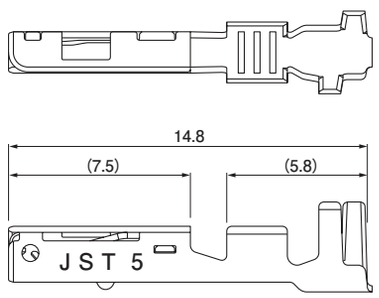
PC board layout and Assembly layout





Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details

Receptacle contact



Model No.	Applicable wire AWG#	Insulation O.D. (mm)	Q'ty/ reel
SJWPSR-21T-P1.0	22 to 18	1.75 to 2.5	4,500

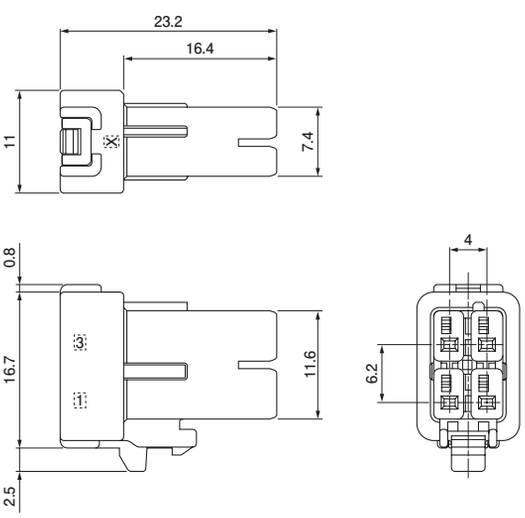
Material and Finish
Copper alloy, tin-plated

RoHS2 compliance

Contact	Crimping machine	Applicator	
		Crimp applicator	Crimp applicator with dies
SJWPSR-21T-P1.0	AP-K2N	MKS-L	APLMK SJWPSR/T21-10

Note: Contact JST for fully automatic crimping applicator.

Receptacle housing assembly



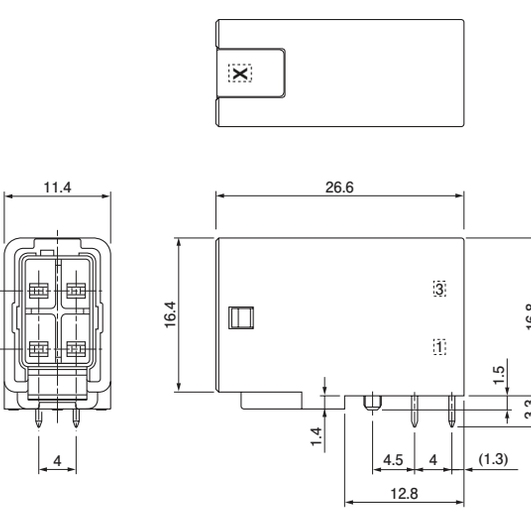
No. of circuits	Keying	Model No.	Q'ty/box
4	X	**04R-JWPS-VKLE-DX-A**	400
	Y	**04R-JWPS-VSLE-DY-A**	400
	Z	**04R-JWPS-VELE-DZ-A**	400

Material and Finish
Receptacle housing: Glass-filled PBT, UL94V-0, X-Keying (black), Y-Keying (natural), Z-Keying (blue) Retainer: PBT, UL94V-0, purple Seal rubber plate: Silicone rubber, light blue

RoHS2 compliance

Note: Seal rubber plate and retainer are preassembled in receptacle housing assembly.

Header housing assembly



No. of circuits	Keying	Model No.	Q'ty/box
4	X	**S04B-JWPS-KKS-XR**	160
	Y	**S04B-JWPS-KSS-YR**	160
	Z	**S04B-JWPS-KES-ZR**	160

Material and Finish
Header housing: Glass-filled PBT, UL94V-0, black Seal ring holder: Glass-filled PBT, UL94V-0, X-Keying (black), Y-Keying (natural), Z-Keying (blue) Seal ring: Silicone rubber, brown Tab contact: Copper alloy, tin-plated

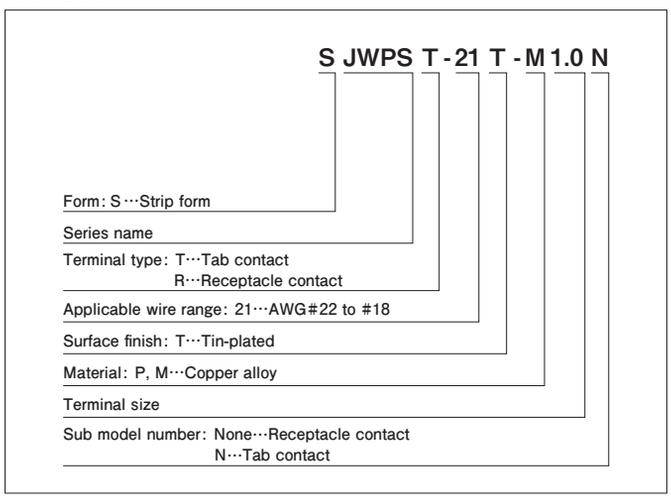
RoHS2 compliance This product displays (LF)(SN) on a label.

Note: Seal ring and seal ring holder are preassembled in header housing assembly.

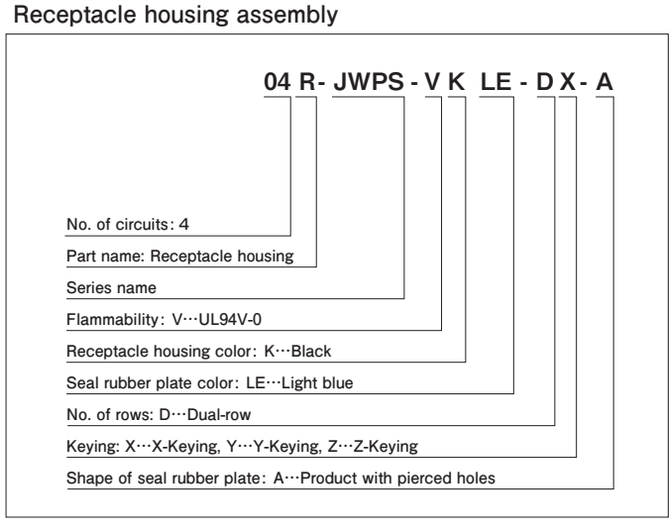
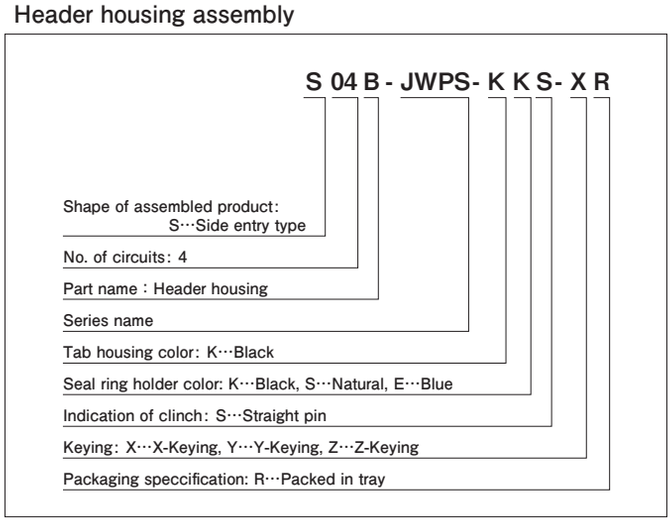
JWPS CONNECTOR

Model number allocation

Contact



Receptacle housing assembly



Header housing assembly