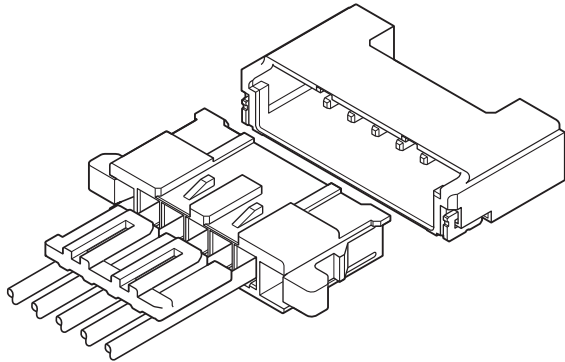


# XAG CONNECTOR

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



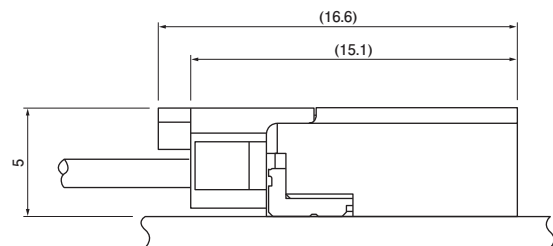
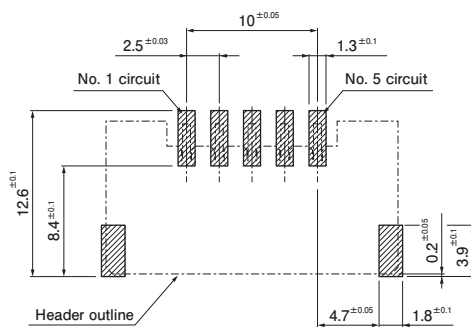
This is a 2.5 mm pitch, crimp style, wire-to-board connector.

- Secure lock mechanism
- Low profile
- Retainer compatible

## Specifications

- Current rating: 3 A AC/DC (AWG #20)
  - 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:
    - There shall be no breakdown or flashover while applying 1,000 VAC for one minute.
  - Applicable wire range: AWG #24 to AWG #20
- \* 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.

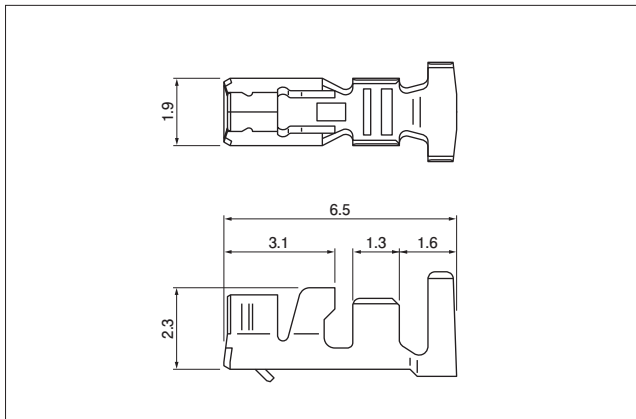
## PC board layout and Assembly layout



- Note: 1. The PC board layout figure shown is viewed from the connector mounting surface.  
 2. Tolerance for the PCB pattern pitch shall be  $\pm 0.05$  and shall not accumulate.  
 3. The above dimensions are reference values. Please contact JST for details.

# XAG CONNECTOR

## Contact



Model No.	Applicable wire range		Insulation O.D. (mm)	Q'ty/ reel
	mm <sup>2</sup>	AWG#		
SXA-01T-P0.6	0.22 to 0.5	24 to 20	1.5 to 1.9	8,000

Material and Surface finish, etc.

Phosphor bronze, tin-plated

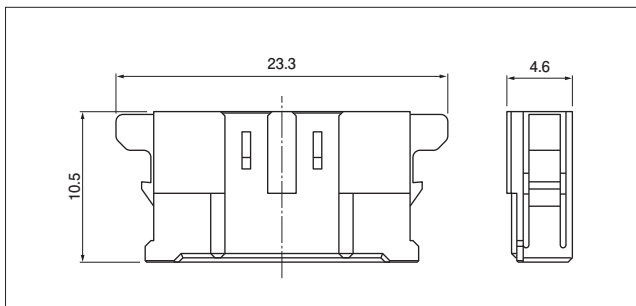
Note: Contact JST for gold-plated products.

## Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SXA-01T-P0.6	AP-K2N	MKS-L	APLMK SXA/M01-06

Note: Contact JST for fully automatic crimping applicator.

## Housing

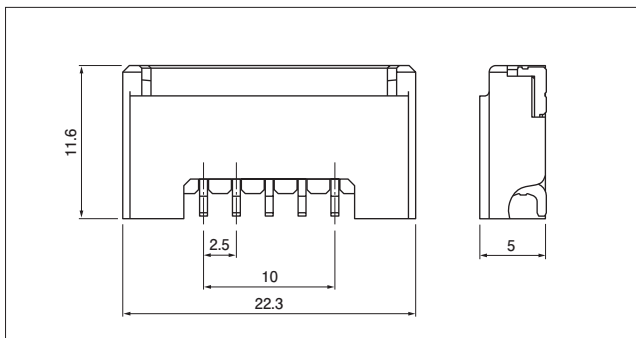


No. of circuits	Model No.	Q'ty/bag
5	XAGRP-051-K	2,000

Material and Surface finish, etc.

PBT, UL94V-0, black

## Header



No. of circuits	Model No.	Q'ty/reel
5	SM05B-XAGKS-BN-TB	1,000

Material and Surface finish, etc.

Pin: Copper alloy, copper-underplated, tin-plated

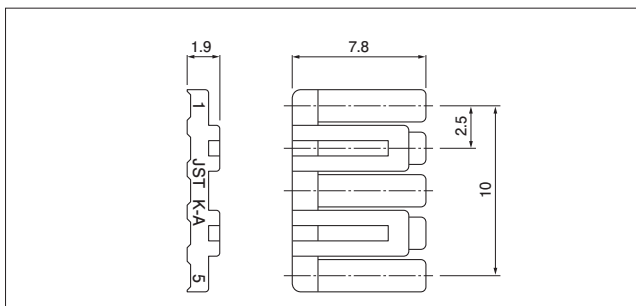
Base housing: PA 6T, UL94V-0, black

Reinforcement: Copper alloy, copper-underplated, tin-plated

Note: 1. This product displays (LF)(SN) on a label.

2. This product is supplied on embossed tape and reel packaging.

## Retainer



No. of circuits	Model No.	Q'ty/bag
5	XAGS-053-K	5,000

Material and Surface finish, etc.

PA 66, UL94V-0, black

## Model number allocation

### Contact

**S XA - 01 T - P 0.6**

Form: S··Strip form, B··Loose piece

Series name

Applicable wire range: 01··AWG #24 to AWG #20

Surface finish: T··Tin-plated

Material: P··Phosphor bronze

Terminal size

### Housing

**XAG RP - 05 1 - K**

Series name

Part name: Plug (Retainer compatible)

No. of circuits

Material: PBT

Color: K··Black

### Header

**SM 05 B - XAG KS - BN - TB**

Header type:  
SM··SMT Side entry type

No. of circuits

Assembly product

Series name

Color: K··Black

Sub model number

Polarizing boss: BN··Without boss

Packaging style: TB··Embossed-taping

### Retainer

**XAG S - 05 3 K**

Series name

Part name: Retainer

No. of circuits

Material: PA 66

Color: K··Black