

**JST**

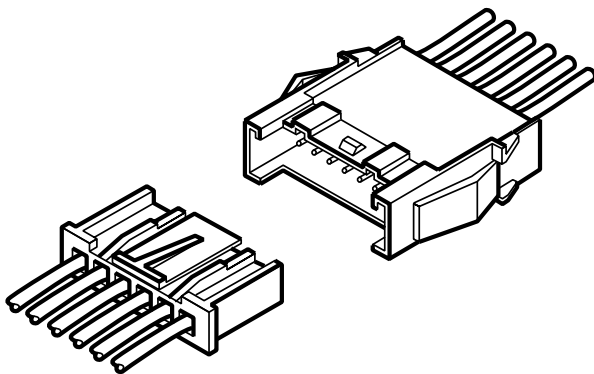
Crimp

**2.5mm**  
(.098") pitch

# XA CONNECTOR

*Disconnectable Crimp style wire-to-wire connectors*

**2.5mm pitch wire-to-wire connector that can mate with the socket of XA connector (board-to-wire type). Reliable secondary retainer is available. Panel mount is applicable.**



## Features

- **Possible to mate with the existing XA socket**

The wire-to-wire connection with the existing XA socket is possible.

- **Inner type contact lance**

Inner type contact lance with stabilizer function provides stable contact retention force without deformation of the lance, and clear click feeling towards housing.

- **Mountable on a variety of panels**

Possible to mount on panels of 0.5mm (.020") to 2.0mm (.079") thick. The design prevents from reverse mating and wire tangling toward panel section.

- **Secondary retainer**

The secondary retainer enhance safety in case of partial insertion or accidental release of the contact.

- **Secure lock construction**

Secure lock construction prevents accidental disconnection because of routing of wires or of vibration, and also reverse and different circuit numbers mating.

## Specifications

- Current rating: 3A AC, DC max. (AWG #20)
- Voltage rating: 250V AC, DC max.
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m max.  
After environmental testing/20m max.
- Insulation resistance: 500M min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: AWG #28 to #20
- \* Contact JST for details.

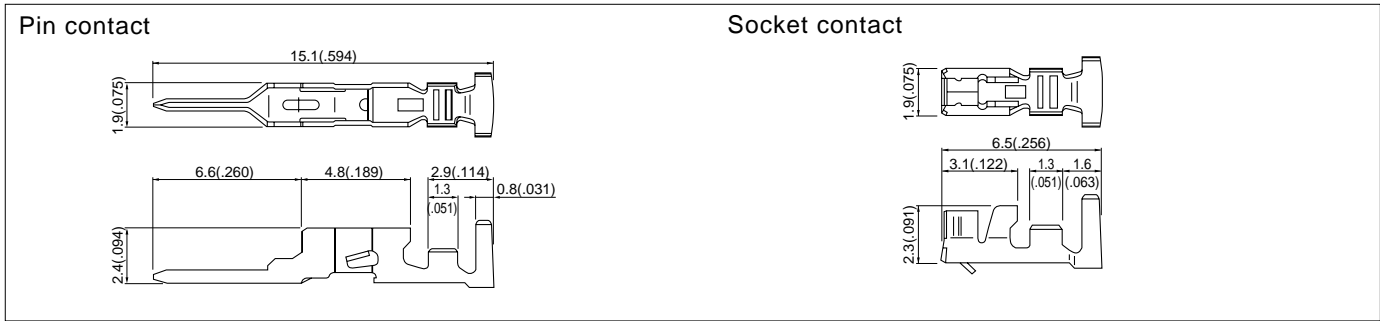
## Standards

 Recognized E60389

 Certified LR20812

# XA CONNECTOR

## Contact

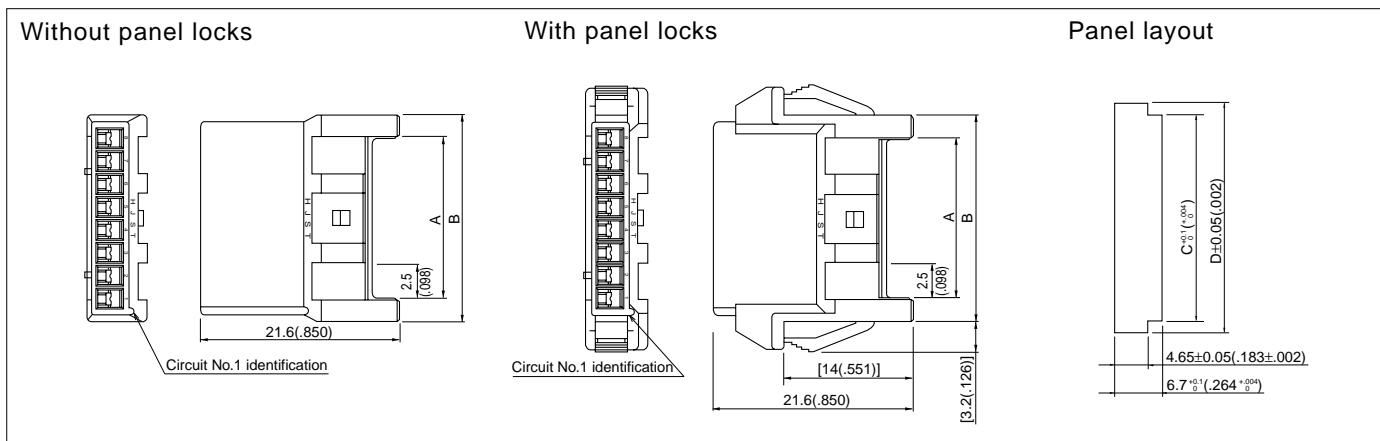


Model No.		Applicable wire		Insulation O.D.mm(in.)	Q'ty / reel	
Pin contact	Socket contact	mm <sup>2</sup>	AWG #		Pin contact	Socket contact
<b>SXAM-001T-P0.6</b>	<b>SXA-001T-P0.6</b>	0.08 to 0.33	28 to 22	1.2 to 1.9(.047 to .075)	7,000	8,000
<b>SXAM- 01T-P0.6</b>	<b>SXA- 01T-P0.6</b>	0.22 to 0.5	24 to 20	1.5 to 1.9(.059 to .075)	7,000	8,000
—	<b>SXA-001T-P0.6L</b>	0.13 to 0.33	26 to 22	1.3 to 1.7(.051 to .067)		8,000

### Material and Finish

Phosphor bronze, tin-plated

## Receptacle housing



Circuits	Model No.		Dimensions mm(in.)				Q'ty / bag
	Without panel locks	With panel locks	A	B	C	D	
2	<b>XARR-02VF</b>	<b>XARR-02V</b>	2.5(.098)	7.5(.295)	7.9(.311)	11.2(.441)	1,000
3	—	<b>XARR-03V</b>	5.0(.197)	10.0(.394)	10.4(.409)	13.7(.539)	1,000
4	<b>XARR-04VF</b>	<b>XARR-04V</b>	7.5(.295)	12.5(.492)	12.9(.508)	16.2(.638)	1,000
5	<b>XARR-05VF</b>	<b>XARR-05V</b>	10.0(.394)	15.0(.591)	15.4(.606)	18.7(.736)	1,000
6	<b>XARR-06VF</b>	<b>XARR-06V</b>	12.5(.492)	17.5(.689)	17.9(.705)	21.2(.835)	500
7	—	<b>XARR-07V</b>	15.0(.591)	20.0(.787)	20.4(.803)	23.7(.933)	500
8	<b>XARR-08VF</b>	<b>XARR-08V</b>	17.5(.689)	22.5(.886)	22.9(.902)	26.2(1.031)	500
9	<b>XARR-09VF</b>	<b>XARR-09V</b>	20.0(.787)	25.0(.984)	25.4(1.000)	28.7(1.130)	500
10	<b>XARR-10VF</b>	<b>XARR-10V</b>	22.5(.886)	27.5(1.083)	27.9(1.098)	31.2(1.228)	500
11	—	<b>XARR-11V</b>	25.0(.984)	30.0(1.181)	30.4(1.197)	33.7(1.327)	500
12	—	<b>XARR-12V</b>	27.5(1.083)	32.5(1.280)	32.9(1.295)	36.2(1.425)	500
13	—	<b>XARR-13V</b>	30.0(1.181)	35.0(1.378)	35.4(1.394)	38.7(1.524)	500
14	—	<b>XARR-14V</b>	32.5(1.280)	37.5(1.476)	37.9(1.492)	41.2(1.622)	500
15	—	<b>XARR-15V</b>	35.0(1.378)	40.0(1.575)	40.4(1.591)	43.7(1.720)	500

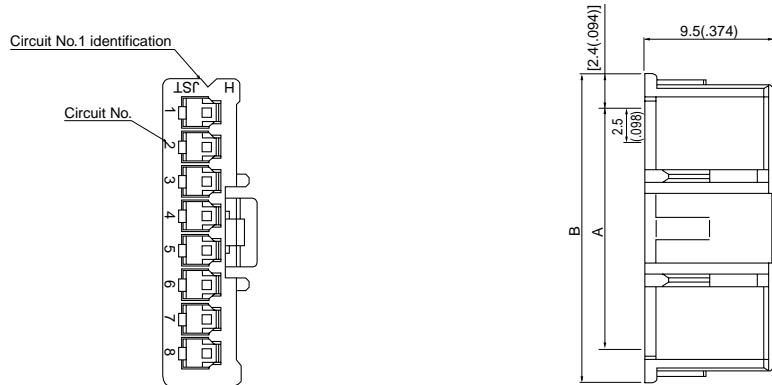
### Material

Nylon 66, UL94V-0, natural (white)

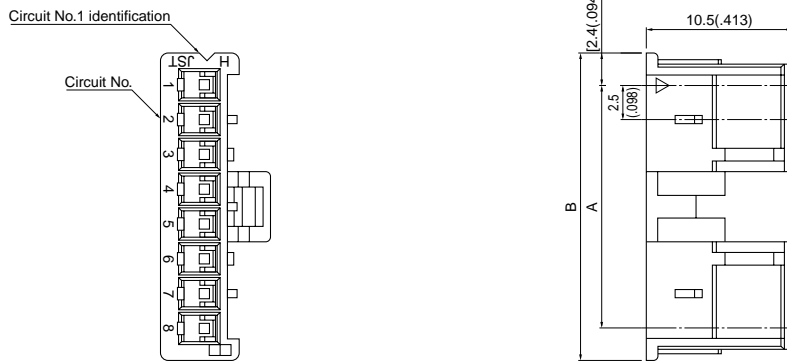
Note: Models XARR-( )VF are not UL recognized nor CSA certified.

## Plug housing

### Standard type



### Retainer mountable type



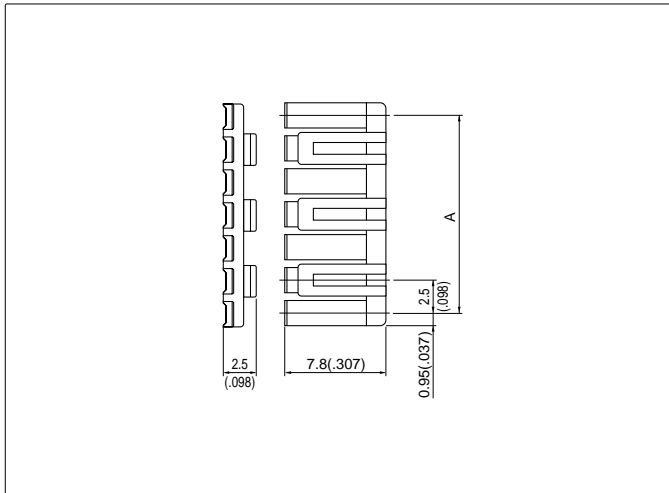
Circuits	Model No.		Dimensions mm(in.)		Qty / bag
	Standard type	Retainer mountable type	A	B	
2	XAP-02V-1	XARP-02V	2.5 (.098)	7.3 (.287)	1,000
3	XAP-03V-1	XARP-03V	5.0 (.197)	9.8 (.386)	1,000
4	XAP-04V-1	XARP-04V	7.5 (.295)	12.3 (.484)	1,000
5	XAP-05V-1	XARP-05V	10.0 (.394)	14.8 (.583)	1,000
6	XAP-06V-1	XARP-06V	12.5 (.492)	17.3 (.681)	1,000
7	XAP-07V-1	XARP-07V	15.0 (.591)	19.8 (.780)	1,000
8	XAP-08V-1	XARP-08V	17.5 (.689)	22.3 (.878)	1,000
9	XAP-09V-1	XARP-09V	20.0 (.787)	24.8 (.976)	1,000
10	XAP-10V-1	XARP-10V	22.5 (.886)	27.3(1.075)	1,000
11	XAP-11V-1	XARP-11V	25.0 (.984)	29.8(1.173)	1,000
12	XAP-12V-1	XARP-12V	27.5(1.083)	32.3(1.272)	1,000
13	XAP-13V-1	XARP-13V	30.0(1.181)	34.8(1.370)	1,000
14	XAP-14V-1	XARP-14V	32.5(1.280)	37.3(1.469)	1,000
15	XAP-15V-1	XARP-15V	35.0(1.378)	39.8(1.567)	1,000

#### Material

Nylon 66, UL94V-0, natural (white)

# XA CONNECTOR

## Retainer

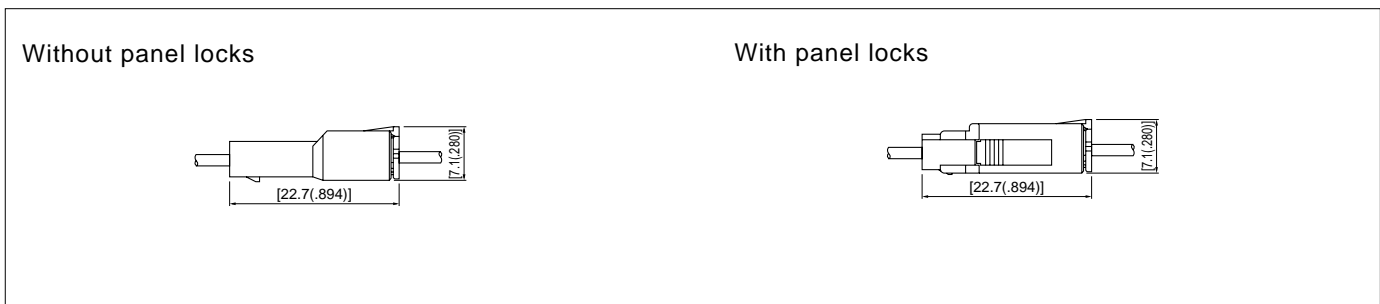


Circuits	Model No.	A	Q'ty / bag
2	<b>XMS-02V</b>	2.5( .098)	1,000
3	<b>XMS-03V</b>	5.0( .197)	1,000
4	<b>XMS-04V</b>	7.5( .295)	1,000
5	<b>XMS-05V</b>	10.0( .394)	1,000
6	<b>XMS-06V</b>	12.5( .492)	1,000
7	<b>XMS-07V</b>	15.0( .591)	1,000
8	<b>XMS-08V</b>	17.5( .689)	1,000
9	<b>XMS-09V</b>	20.0( .787)	1,000
10	<b>XMS-10V</b>	22.5( .886)	1,000
11	<b>XMS-11V</b>	25.0( .984)	1,000
12	<b>XMS-12V</b>	27.5(1.083)	1,000
13	<b>XMS-13V</b>	30.0(1.181)	1,000
14	<b>XMS-14V</b>	32.5(1.280)	1,000
15	<b>XMS-15V</b>	35.0(1.378)	1,000

### Material

Glass-filled nylon 66, UL94V-0, natural (ivory)

## Assembly layout



## Applicator for the semi-automatic press AP-K2N

Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
SXA-001T-P0.6	APLMK SXAM/XA001-06	APLNC SXAM/XA001-06	-	-	APLSC SXA/M001-06
SXA-001T-P0.6L	APLMK SXA001-06L	APLNC SXA001-06L	-	-	-
SXA-01T-P0.6	APLMK SXAM/XA01-06	APLNC SXAM/XA01-06	-	-	-
SXAM-001T-P0.6	APLMK SXAM/XA001-06	APLNC SXAM/XA001-06	-	-	-
SXAM-01T-P0.6	APLMK SXAM/XA01-06	APLNC SXAM/XA01-06	-	-	-