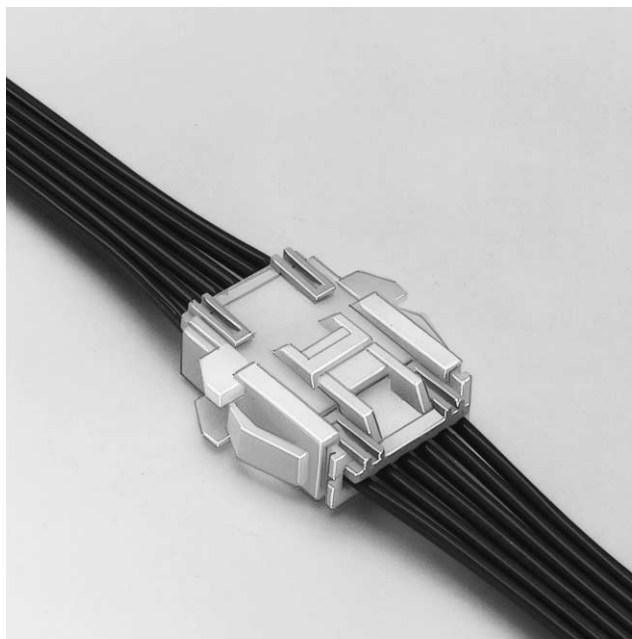
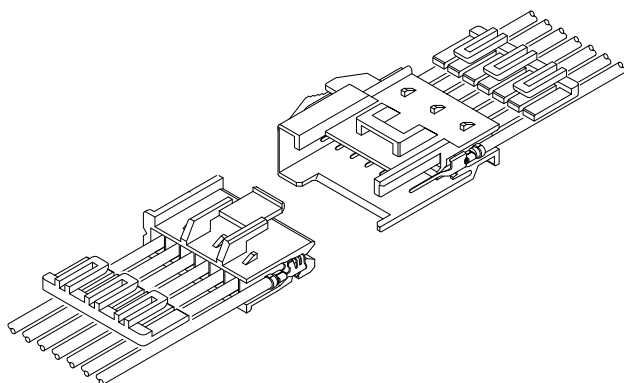


XM CONNECTOR

Crimp style wire-to-wire connectors



The retainer provides added protection against non-insertion or disconnection.



Features

• **Inner-housing lock**

This inner-housing lock secures the plug to the receptacle and prevents accidental disconnection. The lock is protected and is not affected by external forces that might result from the routing of wires.

• **Secondary retainers**

The secondary retainers enhance safety in case of partial insertion or accidental release of the contact. Even if a contact is inserted incompletely, the retainer guides the contact to the proper position and securely locks it in place.

• **Housing lance**

The resilient plastic housing lances secure the contacts in the housings. Since the lances are part of the housings rather than on the contacts, they are not affected by handling, and allow the contacts to be lightly inserted without undue force. This establishes a feeling of uniform insertion and a noticeable change in that feeling when insertion is completed.

• **Mountable on a variety of panels**

Due to our unique panel installation locking mechanisms, the housing can be easily installed on panels of various thickness without using tools.

• **Contacts smoothly insert into the housings without colliding with internal obstacles**

Housings have pin insertion guides that provide smooth and easy insertion without contact deflection or collision against internal housing walls.

Specifications

- Current rating: 3A AC, DC max.
- 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 Ω max.
After environmental testing/20m Ω max.
- Insulation resistance: 500M Ω min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: AWG #28 to #20
0.08 to 0.50mm²
- Applicable panel thickness: 0.5 to 1.8mm(.020" to .071")
- * Contact JST if Lead-Free product is required.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

Standards

Ⓜ Recognized E60389

Ⓢ Certified LR20812

Contact

Pin contact

Socket contact

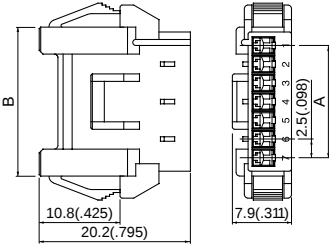
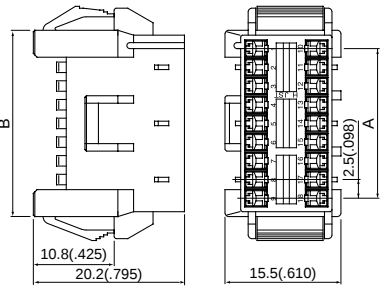
Model No.		Applicable wire			Q'ty / reel	
Pin contact	Socket contact	mm ²	AWG #	Insulation O.D. mm(in.)	Pin contact	Socket contact
SXM-001T-P0.6	SXA-001T-P0.6	0.08 to 0.33	28 to 22	1.2 to 1.9(.047 to .075)	7,000	8,000
SXM-01T-P0.6	SXA-01T-P0.6	0.22 to 0.50	24 to 20	1.5 to 1.9(.059 to .075)		
—	SXA-001T-P0.6L	0.13 to 0.33	26 to 22	1.3 to 1.9(.051 to .075)	—	8,000

Material and Finish

Phosphor bronze, tin-plated

Note: 1. Contact JST for special products.
2. SXM-01T-P0.6 is not UL/CSA approved.

Receptacle housing (for Pin contact)

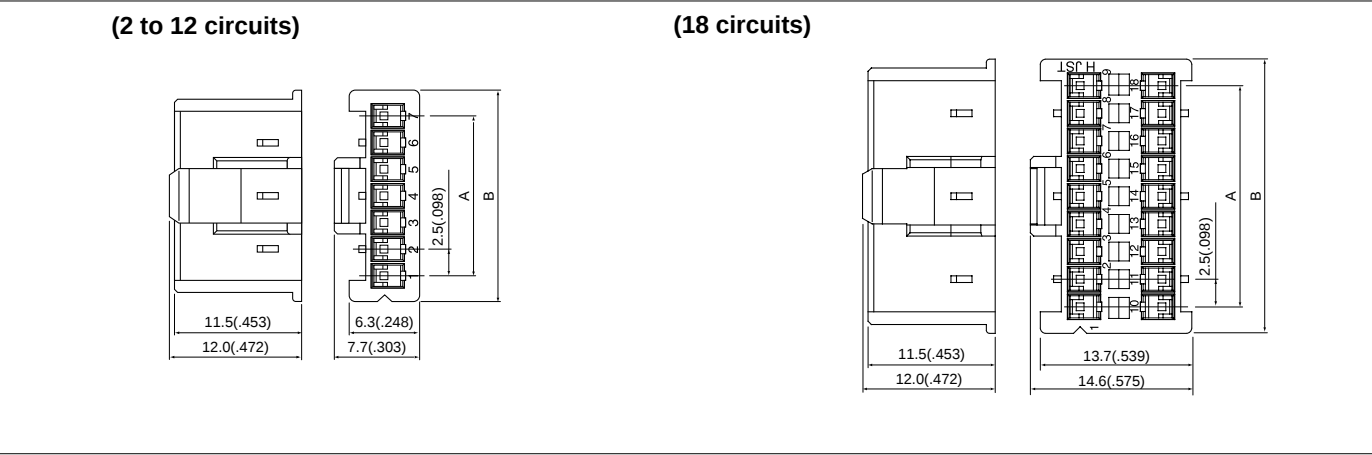
(2 to 12 circuits)	(18 circuits)
	

Circuits	Model No.	Dimensions mm(in.)		Q'ty / bag
		A	B	
2	XMR-02V	2.5(.098)	8.9(.350)	1,000
3	XMR-03V	5.0(.197)	9.9(.390)	1,000
4	XMR-04V	7.5(.295)	12.4(.488)	500
5	XMR-05V	10.0(.394)	14.9(.587)	500
6	XMR-06V	12.5(.492)	17.4(.685)	500
7	XMR-07V	15.0(.591)	19.9(.783)	500
8	XMR-08V	17.5(.689)	22.4(.882)	500
9	XMR-09V	20.0(.787)	24.9(.980)	500
10	XMR-10V	22.5(.886)	27.4(1.079)	500
11	XMR-11V	25.0(.984)	29.9(1.177)	500
12	XMR-12V	27.5(1.083)	32.4(1.276)	500
18	XMR-18V	20.0(.787)	24.9(.980)	500
Material				
Nylon 66, UL94V-0				

Note: Receptacle housings without panel lock device are also available for 2, 3, 4, 6, 7, 8 and 9 circuits.

XM CONNECTOR

Plug housing (for Socket contact) -----

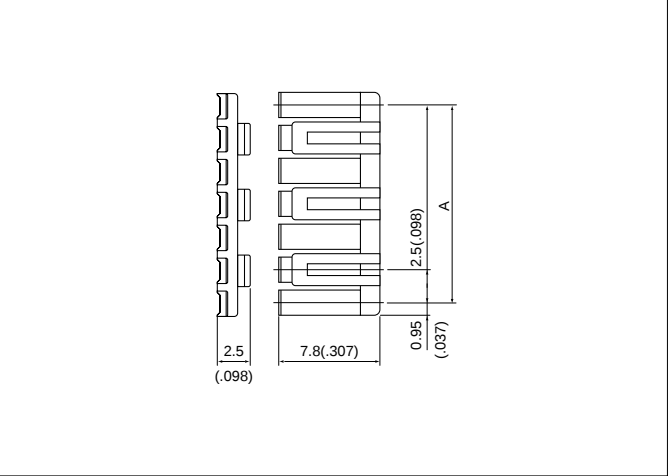


Circuits	Model No.	Dimensions mm(in.)		Q'ty / bag
		A	B	
2	XMP-02V	2.5(.098)	8.8(.346)	1,000
3	XMP-03V	5.0(.197)	9.8(.386)	1,000
4	XMP-04V	7.5(.295)	12.3(.484)	1,000
5	XMP-05V	10.0(.394)	14.8(.583)	500
6	XMP-06V	12.5(.492)	17.3(.681)	500
7	XMP-07V	15.0(.591)	19.8(.780)	500
8	XMP-08V	17.5(.689)	22.3(.878)	500
9	XMP-09V	20.0(.787)	24.8(.976)	500
10	XMP-10V	22.5(.886)	27.3(1.075)	500
11	XMP-11V	25.0(.984)	29.8(1.173)	500
12	XMP-12V	27.5(1.083)	32.3(1.272)	500
18	XMP-18V	20.0(.787)	24.8(.976)	500

Material

Nylon 66, UL94V-0

Retainer -----



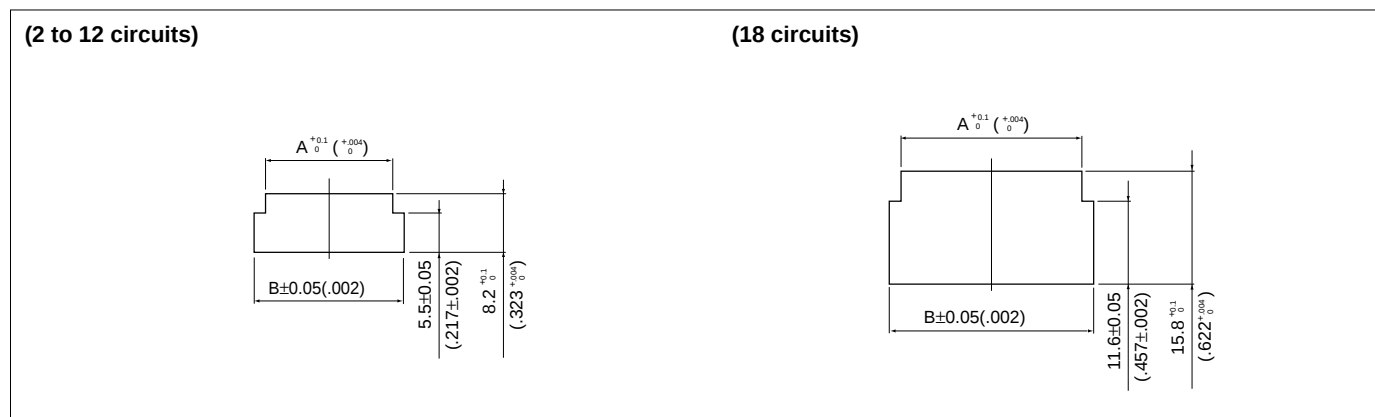
Circuits	Model No.	Dimensions A mm(in.)	Q'ty / bag
2	XMS-02V	2.5(.098)	1,000
3	XMS-03V	5.0(.197)	1,000
4	XMS-04V	7.5(.295)	1,000
5	XMS-05V	10.0(.394)	1,000
6	XMS-06V	12.5(.492)	1,000
7	XMS-07V	15.0(.591)	1,000
8	XMS-08V	17.5(.689)	1,000
9,18	XMS-09V	20.0(.787)	1,000
10	XMS-10V	22.5(.886)	1,000
11	XMS-11V	25.0(.984)	1,000
12	XMS-12V	27.5(1.083)	1,000

Material

Glass-filled Nylon 66, UL94V-0

Note: Commonly used for 9-circuit and 18-circuit housings.

Panel Layout

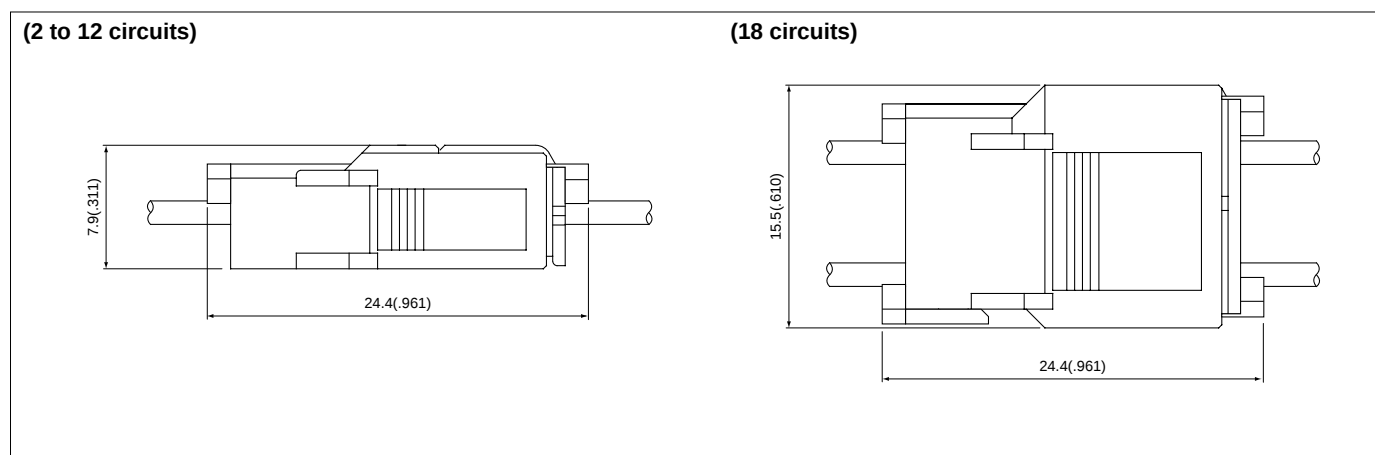


Circuits	Receptacle housing	Panel hole dimensions mm(in.)		General tolerance	Applicable panel thickness mm(in.)
		$A \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix} \begin{smallmatrix} +0.004 \\ 0 \end{smallmatrix}$	$B \pm 0.05(.002)$		
2	XMR-02V	9.3(.366)	12.6(.496)		0.5 to 1.8(.020 to .071)
3	XMR-03V	10.3(.406)	13.6(.535)		
4	XMR-04V	12.8(.504)	16.1(.634)		
5	XMR-05V	15.3(.602)	18.6(.732)		
6	XMR-06V	17.8(.701)	21.1(.831)		
7	XMR-07V	20.3(.799)	23.6(.929)		
8	XMR-08V	22.8(.898)	26.1(1.028)		
9	XMR-09V	25.3(.996)	28.6(1.126)		
10	XMR-10V	27.8(1.094)	31.1(1.224)		
11	XMR-11V	30.3(1.193)	33.6(1.323)		
12	XMR-12V	32.8(1.291)	36.1(1.421)		
18	XMR-18V	25.3(.996)	28.6(1.126)		

Note:

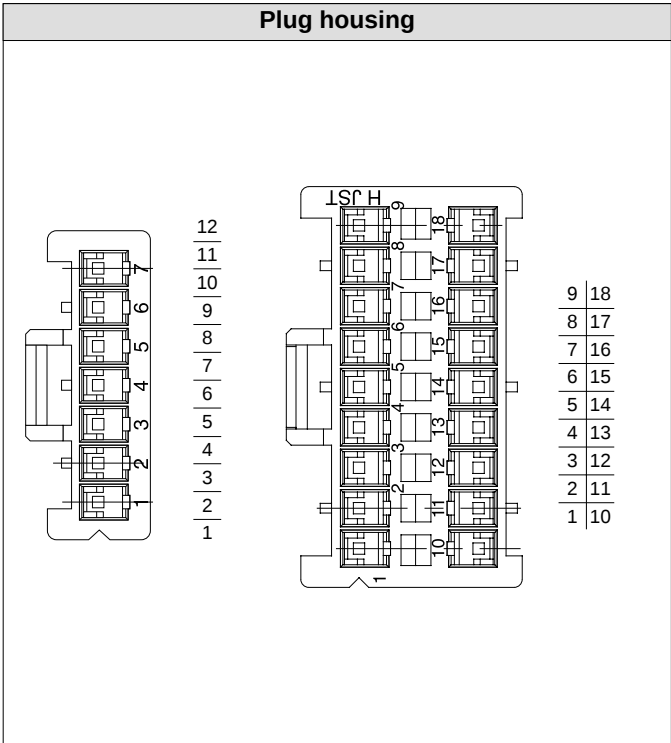
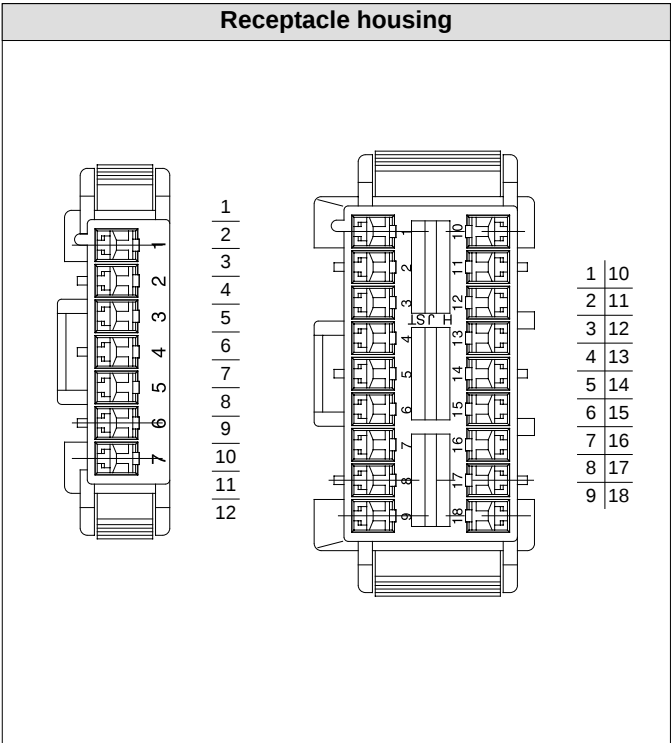
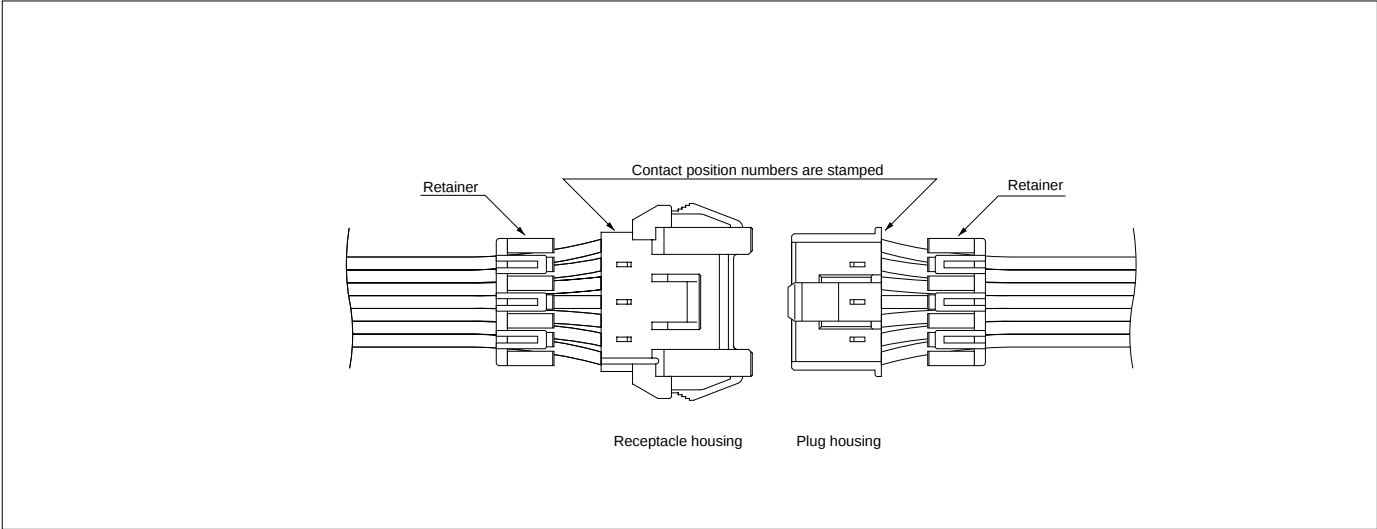
1. Punch holes in the panel according to the sketch and table shown above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

Assembly layout



XM CONNECTOR

Contact position location numbers -----



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
SXM-001T-P0.6	APLMK SXA/M001-06	APLNC SXA/M001-06	—	—	APLSC SXA/M001-06
SXM-01T-P0.6	APLMK SXA/M01-06	APLNC SXA/M01-06	—	—	APLSC SXA/M01-06
SXA-001T-P0.6	APLMK SXA/M001-06	APLNC SXA/M001-06	—	—	APLSC SXA/M001-06
SXA-01T-P0.6	APLMK SXA/M01-06	APLNC SXA/M01-06	—	—	APLSC SXA/M01-06
SXA-001T-P0.6L	APLMK SXA/M001-06L	APLNC SXA/M001-06L	—	—	APLSC SXA/M001-06L