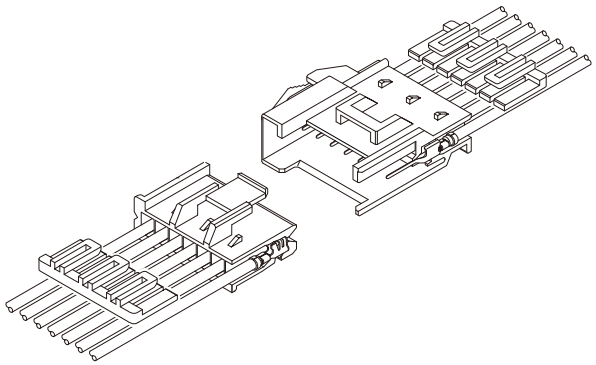


XM CONNECTOR

2.5mm pitch/Crimp style wire-to-wire connectors



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

- ***Inner-housing lock***
- ***Secondary retainers***
- ***Housing lance***
- ***Mountable on a variety of panels***
- ***Contacts smoothly insert into the housings without colliding with internal obstacles***

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 0.50mm^2
- Applicable panel thickness: 0.5 to 1.8mm

* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

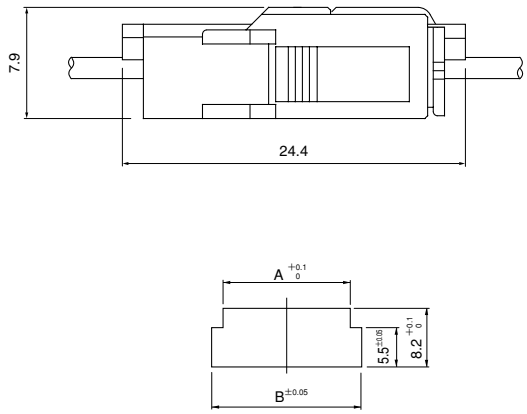
Standards

Recognized E60389

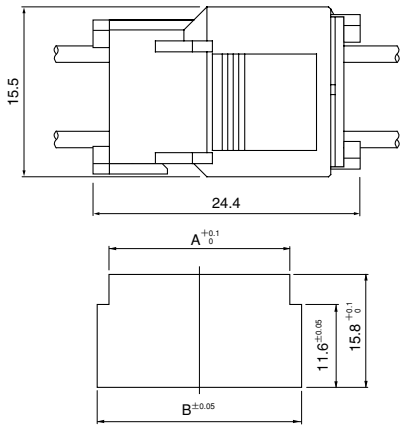
Certified LR20812

Panel Layout and Assembly layout

(2 to 12 circuits)



(18 circuits)

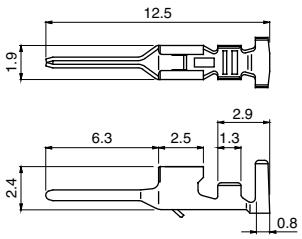


Circuits	Receptacle housing	Panel hole dimensions (mm) General tolerance		Applicable panel thickness (mm)
		A +0.1 0	B ±0.05	
2	**XMR-02V**	9.3	12.6	0.5～1.8
3	**XMR-03V**	10.3	13.6	
4	**XMR-04V**	12.8	16.1	
5	**XMR-05V**	15.3	18.6	
6	**XMR-06V**	17.8	21.1	
7	**XMR-07V**	20.3	23.6	
8	**XMR-08V**	22.8	26.1	
9	**XMR-09V**	25.3	28.6	
10	**XMR-10V**	27.8	31.1	
11	**XMR-11V**	30.3	33.6	
12	**XMR-12V**	32.8	36.1	
18	**XMR-18V**	25.3	28.6	

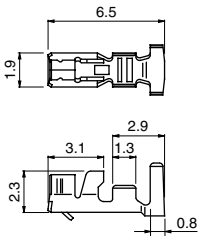
Note: 1. Punch holes in the panel according to the sketch and table shown above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

Contact

Pin contact



Socket contact



Model No.		Applicable wire		Insulation O.D. (mm)	Q´ty / reel	
Pin contact	Socket contact	mm²	AWG #		Pin contact	Socket contact
SXM-001T-P0.6	**SXA-001T-P0.6**	0.08～0.33	28～22	0.8～1.9	7,000	8,000
***SXM-01T-P0.6**	**SXA-01T-P0.6**	0.22～0.50	24～20	1.5～1.9	7,000	8,000
—	**SXA-001T-P0.6L**	0.13～0.33	26～22	1.3～1.9	—	8,000

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

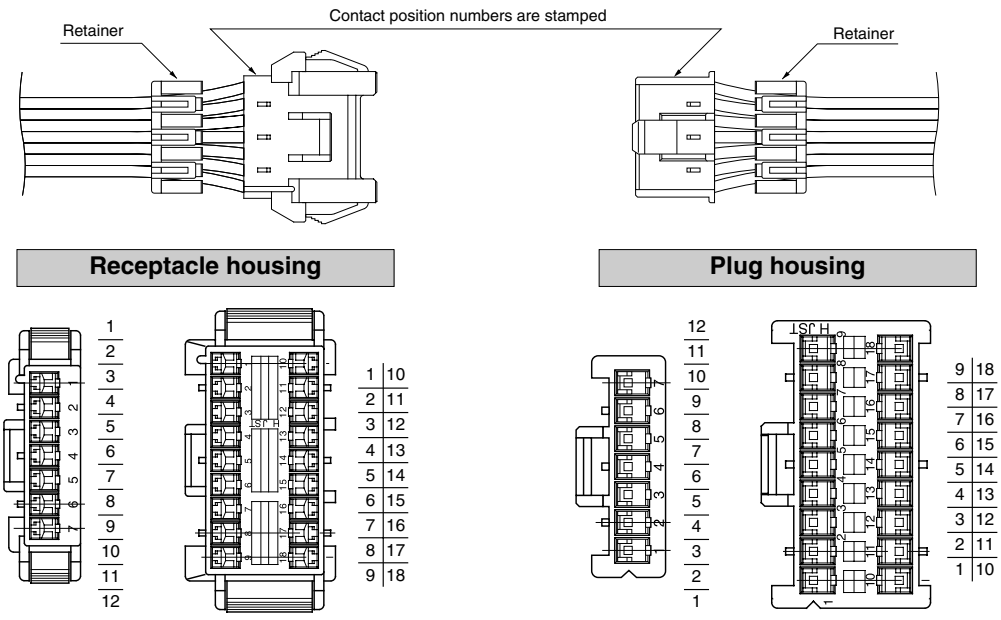
Note: 1. Contact JST for special products.
*2. *Marked product is not UL/CSA approved.*

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SXM-001T-P0.6	AP-K2N	MKS-L	MK/SXA/M-001-06	APLMK SXA/M001-06
		*MKS-SC	SC/SXA/M-001-06	APLSC SXA/M001-06
SXM-01T-P0.6		MKS-L	MK/SXA/M-01-06	APLMK SXA/M01-06
		*MKS-SC	SC/SXA/M-01-06	APLSC SXA/M01-06

*Note: *Strip-crimp applicator*

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SXA-001T-P0.6	AP-K2N	MKS-L	MK/SXA/M-001-06	APLMK SXA/M001-06
		*MKS-SC	SC/SXA/M-001-06	APLSC SXA/M001-06
SXA-01T-P0.6		MKS-L	MK/SXA/M-01-06	APLMK SXA/M01-06
		*MKS-SC	SC/SXA/M-01-06	APLSC SXA/M01-06
SXA-001T-P0.6L		MKS-L	MK/SXA-001-06L	APLMK SXA001-06L
		*MKS-SC	SC/SXA-001-06L	APLSC SXA001-06L

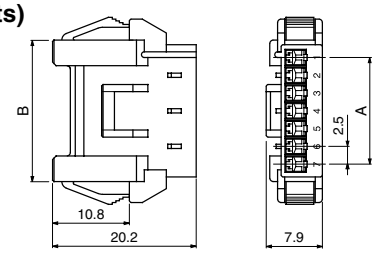
Contact position location numbers



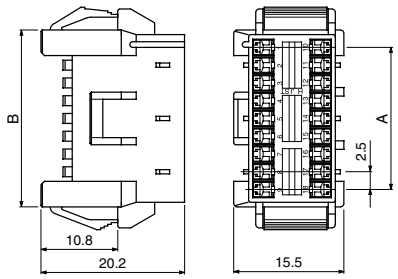
XM CONNECTOR

Receptacle housing (for Pin contact)

(2 to 12 circuits)



(18 circuits)



Circuits	Model No.	Dimensions (mm)		Q´ty / bag
		A	B	
2	**XMR-02V**	2.5	8.9	1,000
3	**XMR-03V**	5.0	9.9	1,000
4	**XMR-04V**	7.5	12.4	500
5	**XMR-05V**	10.0	14.9	500
6	**XMR-06V**	12.5	17.4	500
7	**XMR-07V**	15.0	19.9	500
8	**XMR-08V**	17.5	22.4	500
9	**XMR-09V**	20.0	24.9	500
10	**XMR-10V**	22.5	27.4	500
11	**XMR-11V**	25.0	29.9	500
12	**XMR-12V**	27.5	32.4	500
18	**XMR-18V**	20.0	24.9	500

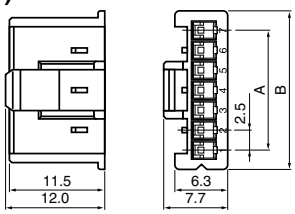
Material
PA 66, UL94V-0

RoHS compliance

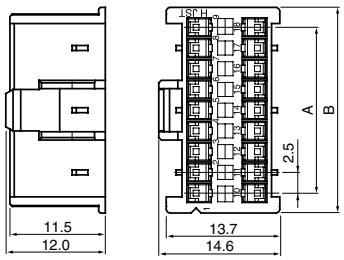
Note: Receptacle housings without panel lock device are also available for 2, 3, 4, 6, 7, 8 and 9 circuits.

Plug housing (for Socket contact)

(2 to 12 circuits)



(18 circuits)

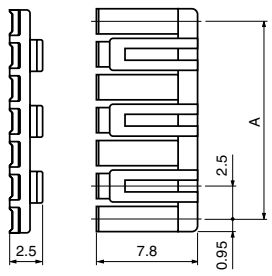


Circuits	Model No.	Dimensions (mm)		Q´ty / bag
		A	B	
2	**XMP-02V**	2.5	8.8	1,000
3	**XMP-03V**	5.0	9.8	1,000
4	**XMP-04V**	7.5	12.3	1,000
5	**XMP-05V**	10.0	14.8	500
6	**XMP-06V**	12.5	17.3	500
7	**XMP-07V**	15.0	19.8	500
8	**XMP-08V**	17.5	22.3	500
9	**XMP-09V**	20.0	24.8	500
10	**XMP-10V**	22.5	27.3	500
11	**XMP-11V**	25.0	29.8	500
12	**XMP-12V**	27.5	32.3	500
18	**XMP-18V**	20.0	24.8	500

Material
PA 66, UL94V-0

RoHS compliance

Retainer



Circuits	Model No.	Dimensions A (mm)	Q´ty / bag
2	**XMS-02V**	2.5	1,000
3	**XMS-03V**	5.0	1,000
4	**XMS-04V**	7.5	1,000
5	**XMS-05V**	10.0	1,000
6	**XMS-06V**	12.5	1,000
7	**XMS-07V**	15.0	1,000
8	**XMS-08V**	17.5	1,000
9 · 18	**XMS-09V**	20.0	1,000
10	**XMS-10V**	22.5	1,000
11	**XMS-11V**	25.0	1,000
12	**XMS-12V**	27.5	1,000

Material
Glass-filled PA 66, UL94V-0

RoHS compliance

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