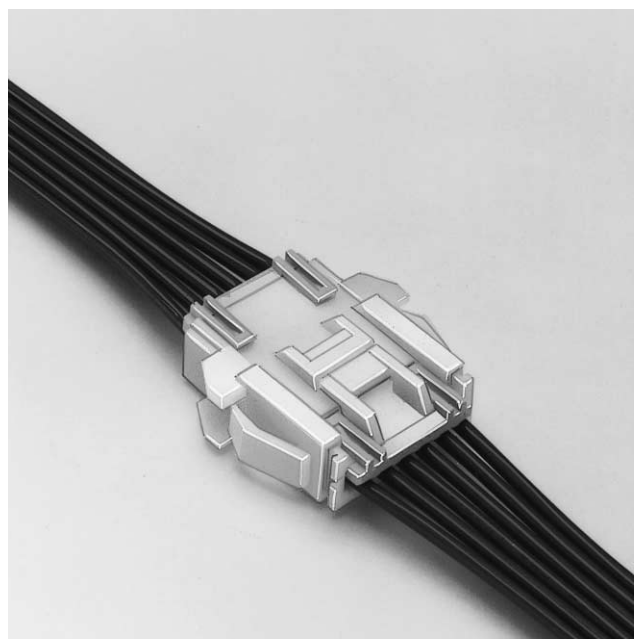
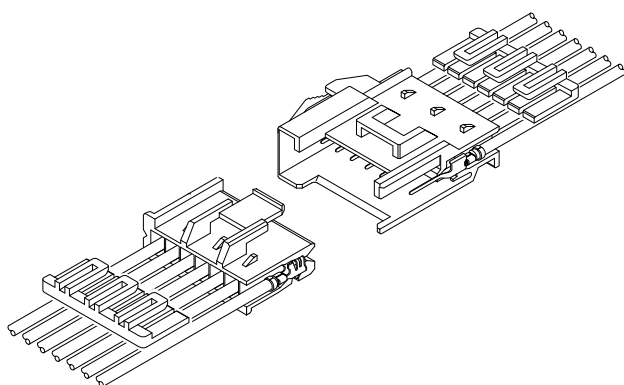


XM CONNECTOR

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

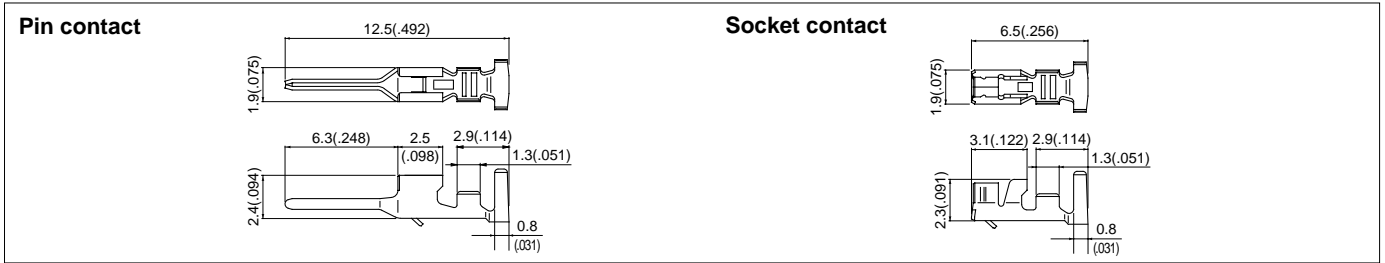
- Current rating: 3A AC, DC max.
- Voltage rating: 250V AC, DC max.
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10m Ω max.
After environmental testing/20m Ω max.
- Insulation resistance: 500M Ω min.
- Withstanding 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



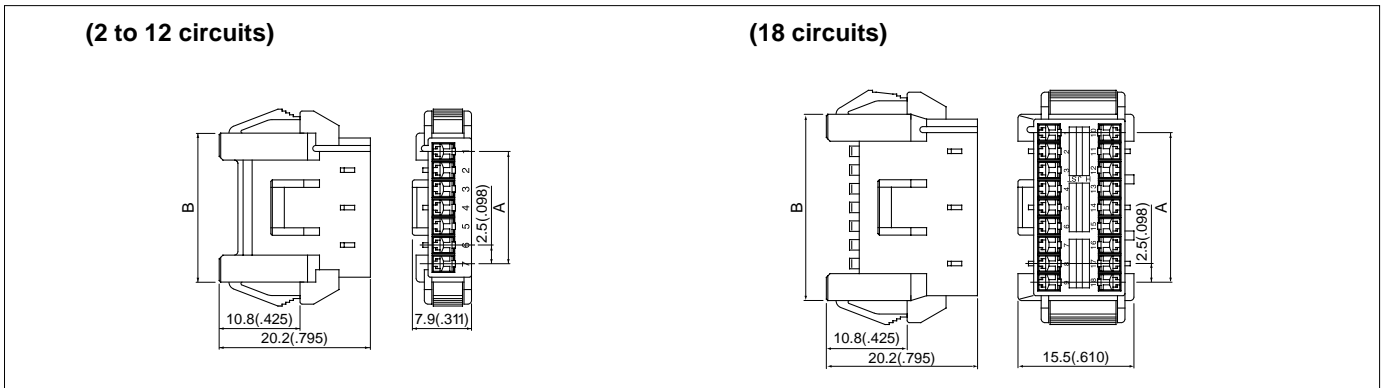
| Model No. | | Applicable wire | | | Q'ty / reel | |
|----------------------|-----------------------|-----------------|----------|--------------------------|-------------|----------------|
| Pin contact | Socket contact | mm ² | AWG # | Insulation O.D. mm(in.) | Pin contact | Socket contact |
| SXM-001T-P0.6 | 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)



| 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 |

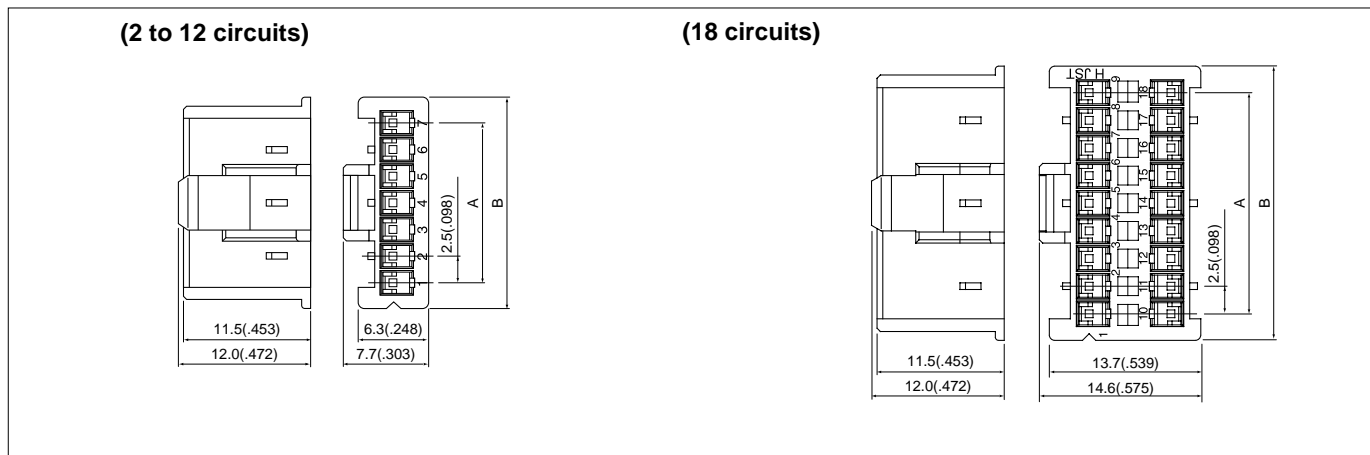
Material

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)

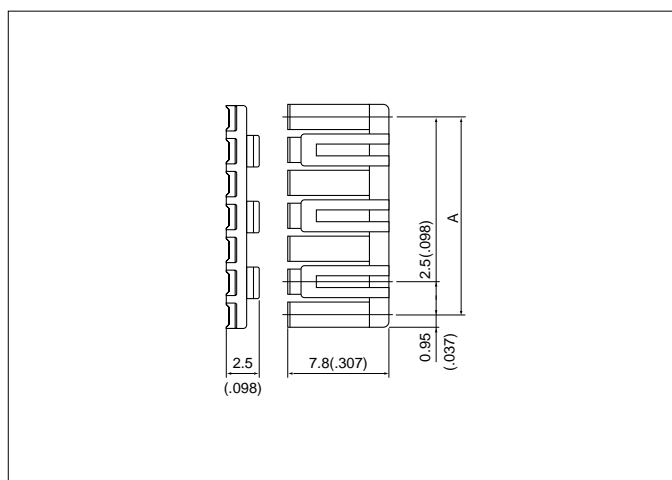


| Circuits | Model No. | Dimensions mm(in.) | | Q'ty / bag |
|----------|----------------|--------------------|-------------|------------|
| | | A | B | |
| 2 | XMP-02V | 2.5(.098) | 8.8(.346) | 1,000 |
| 3 | XMP-03V | 5.0(.197) | 9.8(.386) | 1,000 |
| 4 | XMP-04V | 7.5(.295) | 12.3(.484) | 1,000 |
| 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



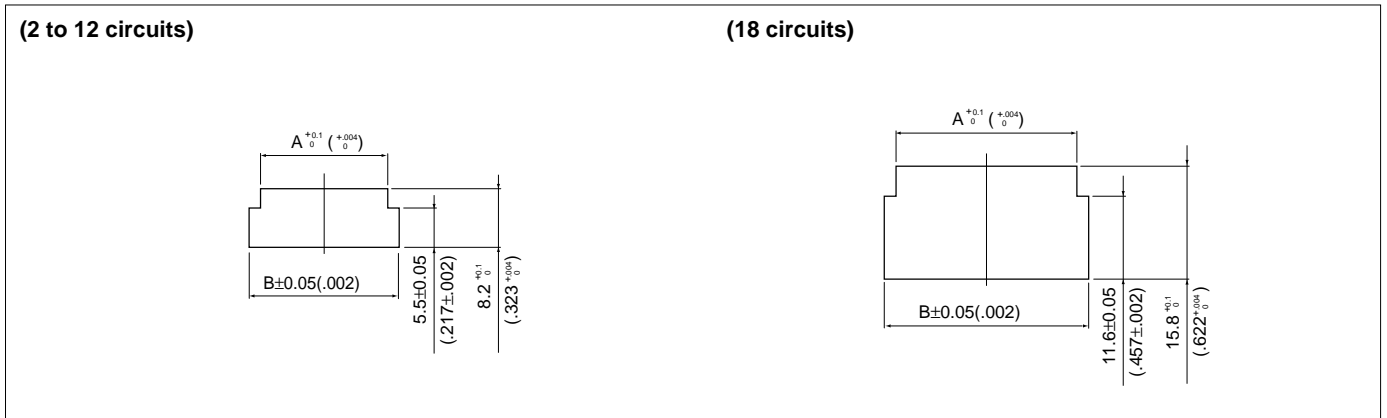
| Circuits | Model No. | Dimensions A mm(in.) | Q'ty / bag |
|----------|----------------|----------------------|------------|
| 2 | XMS-02V | 2.5(.098) | 1,000 |
| 3 | XMS-03V | 5.0(.197) | 1,000 |
| 4 | XMS-04V | 7.5(.295) | 1,000 |
| 5 | XMS-05V | 10.0(.394) | 1,000 |
| 6 | XMS-06V | 12.5(.492) | 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

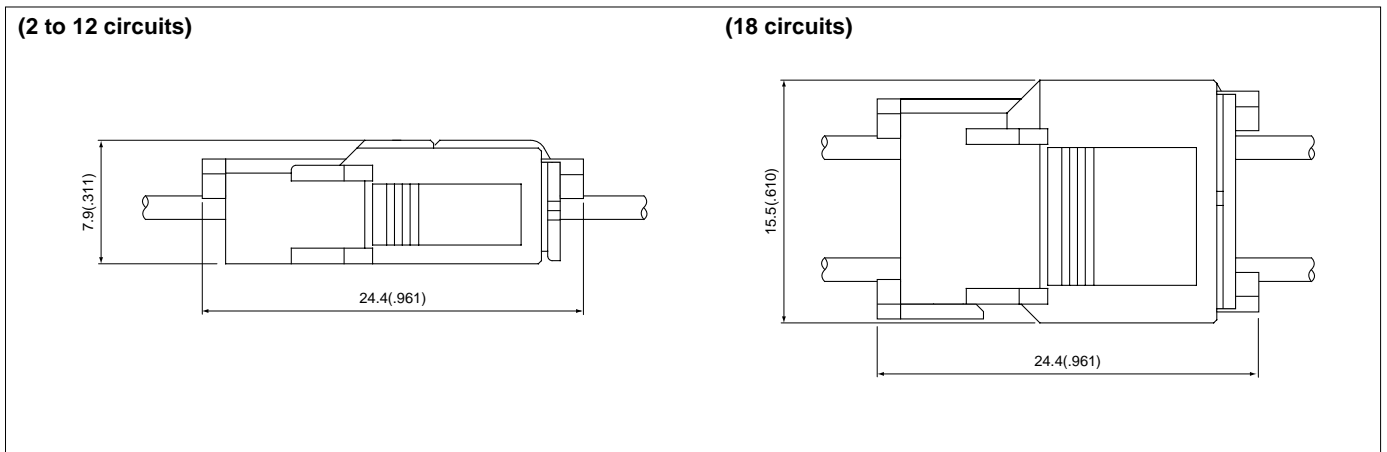


| Circuits | Receptacle housing | Panel hole dimensions mm(in.) | | General tolerance | Applicable panel thickness mm(in.) |
|----------|--------------------|--|----------------|--------------------------|------------------------------------|
| | | A ₀ ^{+0.1} (^{+.004} / ₀) | B ± 0.05(.002) | | |
| 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:

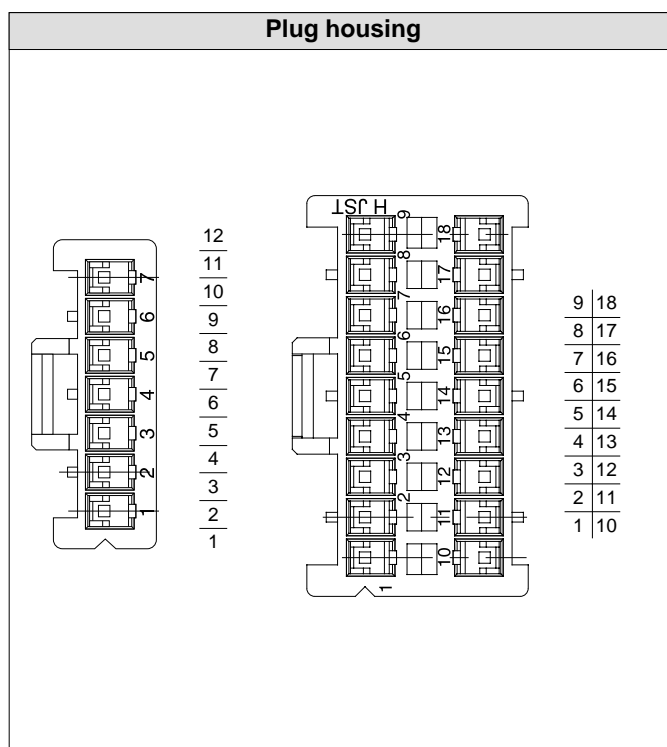
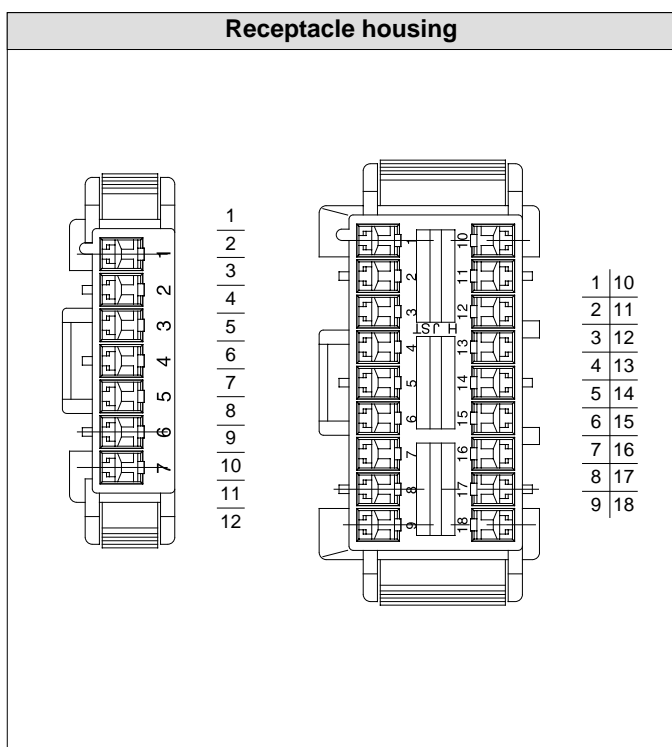
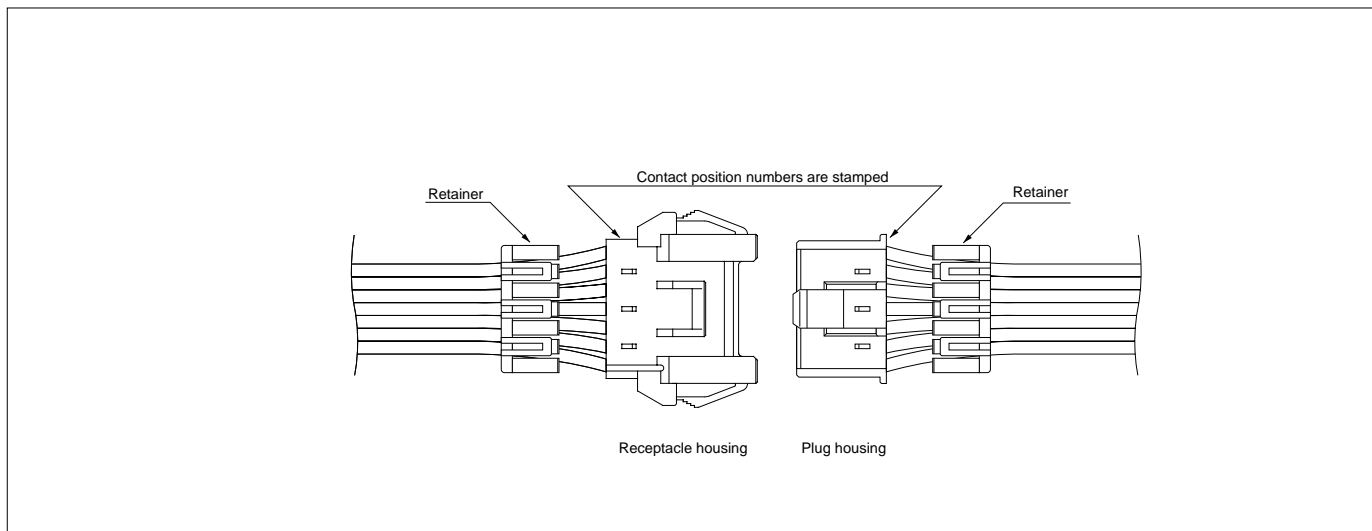
1. Punch holes in the panel according to the sketch and table shown above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

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 |