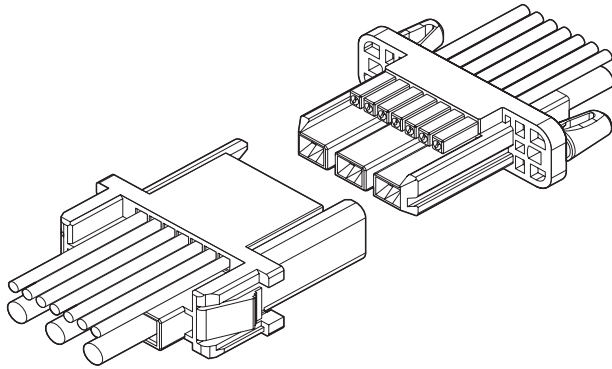


RIJ CONNECTOR

Disconnectable Crimp style Wire-to-wire connectors



This connector is a hybrid type double-row drawer connector with combined signal and power supply circuits to connect the units. In the signal part, the number of parts reduced by connecting the crimping contact directly.

- **Space saving**
- **Panel locking device**
- **Hybrid type**

Specifications

- **Current rating:** Signal circuit/2A AC, DC (AWG#24)
Power supply circuit/15A AC, DC (AWG#14)
 - **Voltage rating:** Signal circuit/50V AC, DC
Power supply circuit/250V AC, DC
 - **Temperature range:** -25°C to +85°C
(including temperature rise in applying electrical current)
 - **Contact resistance:**
Signal circuit Initial value/20m Ω max.
After environmental testing/40m Ω max.
Power supply circuit Initial value/10m Ω max.
After environmental testing/30m Ω max.
 - **Insulation resistance:** 1,000M Ω min.
 - **Withstanding voltage:** Signal circuit 500V AC/minute
Power supply circuit 1,500V AC/minute
 - **Applicable wire:** Signal circuit
Conductor size/AWG#28 to #24
Insulation O.D./0.9 to 1.5mm
Power supply circuit
Conductor size/AWG#18 to #14
Insulation O.D./2.0 to 3.6mm
- * Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

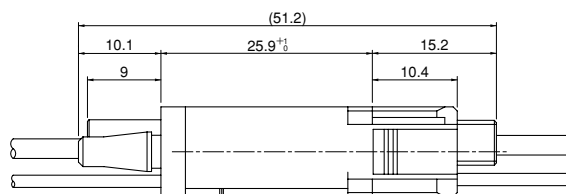
Standards

Recognized E 60389

Certified LR 20812

J50102230

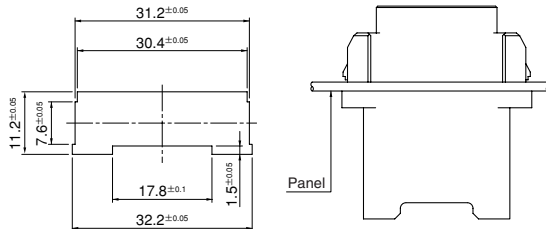
Assembly layout



Panel layout

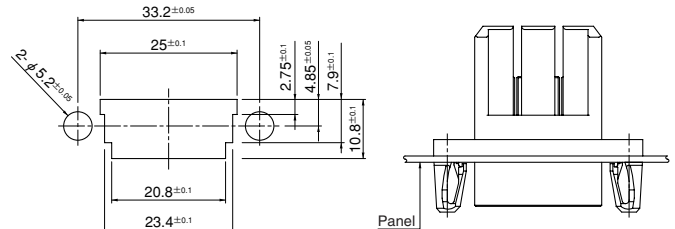
Plug

- Standard type
Panel thickness: 1.6, 2.0mm



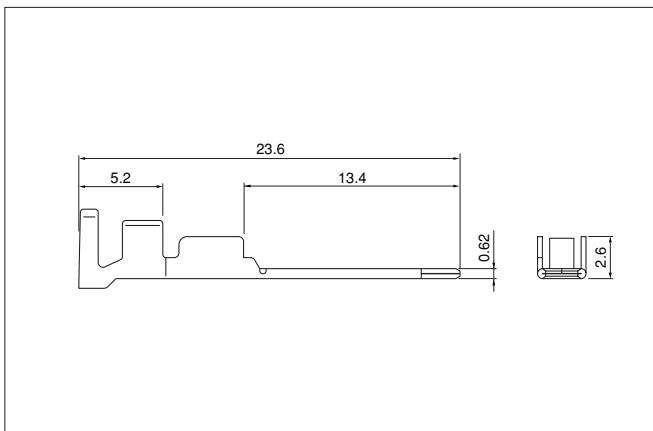
Receptacle

- Standard type
Panel thickness: 1.0mm



- Note: 1. Punch holes in the panel according to the figures 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.

Plug contact for power supply circuit



| Model No. | Applicable wire | | Insulation O.D. (mm) | Q'ty / reel |
|----------------|-----------------|-------|----------------------|-------------|
| | mm ² | AWG # | | |
| SRWM-61GG-S0.6 | 0.75~2.0 | 18~14 | 2.0~3.6 | 3,000 |

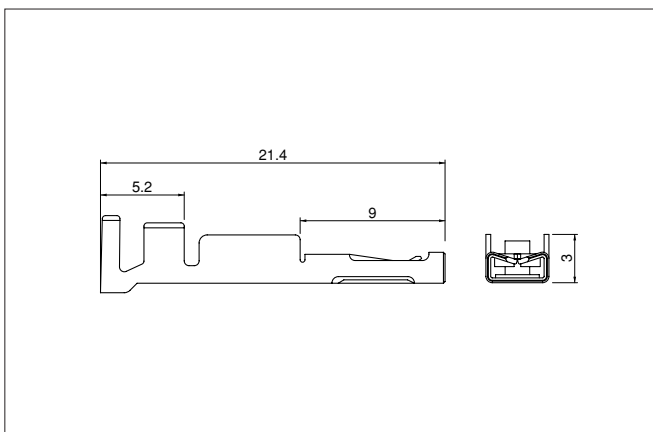
Material and Finish

Copper alloy, nickel-undercoated, Mating part; gold-plated
Crimping part; tin-plated (reflow treatment)

RoHS compliance This product displays (LF)(SN) on a label.

| Contact | Crimping machine | Applicator | | |
|----------------|------------------|------------------|-----------------|----------------------------|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| SRWM-61GG-S0.6 | AP-K2N | MKS-L | MK/SRPF/M-61-06 | APLMK SRPF/M61-06 |

Receptacle contact for power supply circuit



| Model No. | Applicable wire | | Insulation O.D. (mm) | Q'ty / reel |
|----------------|-----------------|-------|----------------------|-------------|
| | mm ² | AWG # | | |
| SRWF-61GG-M0.6 | 0.75~2.0 | 18~14 | 2.0~3.6 | 3,000 |

Material and Finish

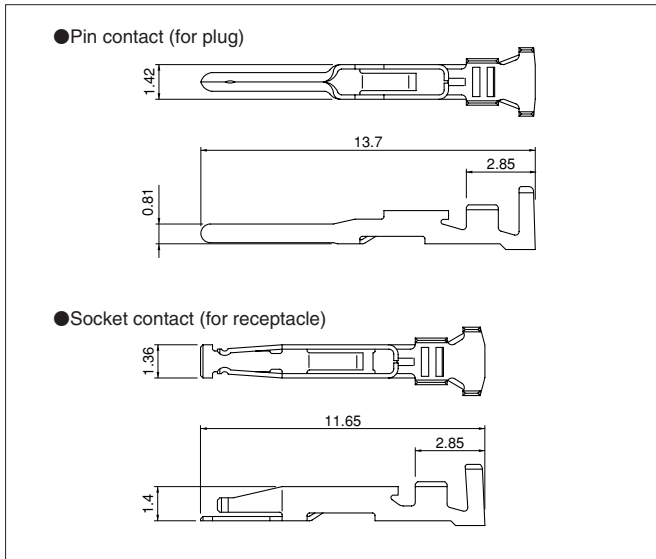
Copper alloy, nickel-undercoated, Mating part; gold-plated
Crimping part; tin-plated (reflow treatment)

RoHS compliance This product displays (LF)(SN) on a label.

| Contact | Crimping machine | Applicator | | |
|----------------|------------------|------------------|-----------------|----------------------------|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| SRWF-61GG-M0.6 | AP-K2N | MKS-L | MK/SRPF/M-01-06 | APLMK SRPF/M01-06 |

RIJ CONNECTOR

Contact for signal circuit



| Model No. | | Applicable wire | | Insulation O.D. (mm) | Q'ty / reel |
|-------------------|-------------------|-----------------|-------|-------------------------|----------------|
| Pin contact | Socket contact | mm ² | AWG # | | |
| RPJ-SP2331 | RPJ-SS2331 | 0.08~0.22 | 28~24 | 0.9~1.5 | 10,000 |

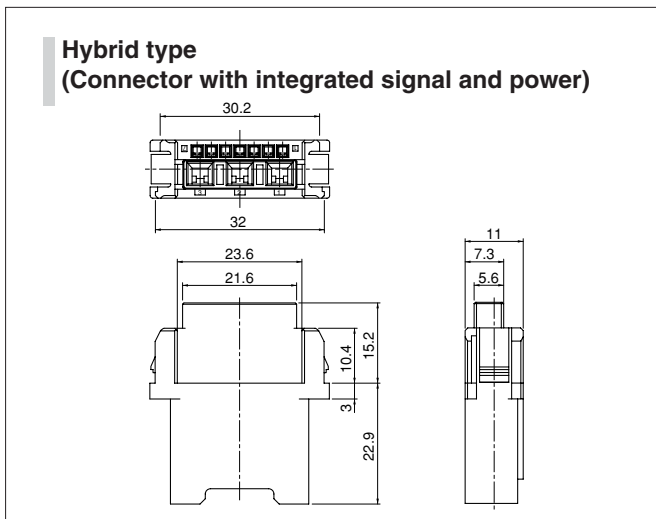
Material and Finish

Phosphor bronze, nickel-undercoated, gold-plated

RoHS compliance

| Contact | Crimping machine | Applicator | | |
|-------------------|---------------------|------------------|---------------|----------------------------|
| | | Crimp applicator | Dies | Crimp applicator with dies |
| RPJ-SP2331 | AP-K2N | MKS-L | MK/RPJ-SP/SS2 | APLMK RPJ-SP/SS2 |
| RPJ-SS2331 | | — | — | — |

Plug



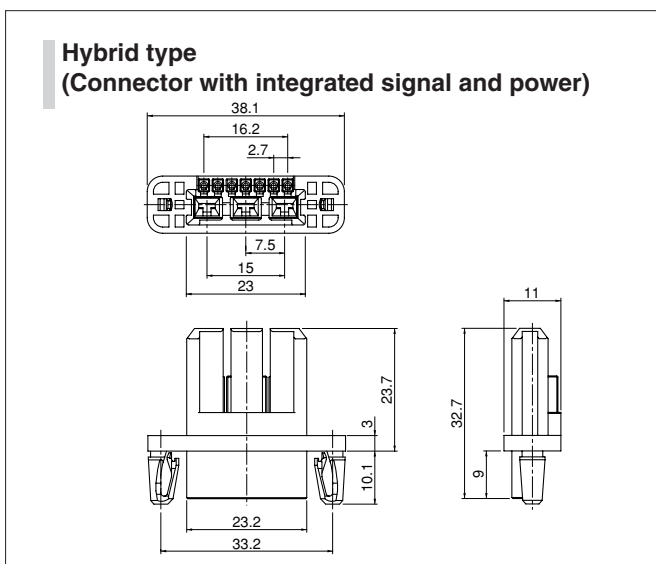
| Circuits | | Model No. | Q'ty / box |
|--------------|--------|----------------------|------------|
| Power supply | Signal | | |
| 3 | 7 | 07P-RIJ-K-3RL | 880 |

Material

PBT · UL94V-0, black

RoHS compliance

Receptacle



| Circuits | | Model No. | Q'ty / box |
|--------------|--------|-----------------------|------------|
| Power supply | Signal | | |
| 3 | 7 | 07R-RIJ-K-R3FI | 880 |

Material

PBT · UL94V-0, black

RoHS compliance