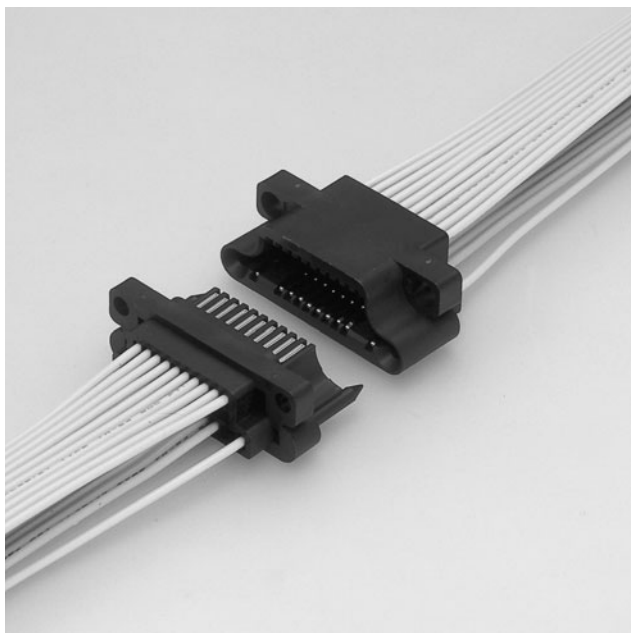
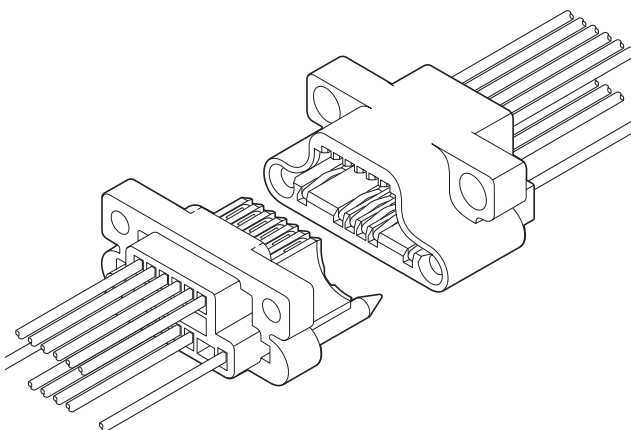


# TSD CONNECTOR

*Disconnectable Crimp style Wire-to-wire connectors*



***This hybrid type drawer connector shares a single design contact between signal and power lines.***



## Features

### • **Single design contact**

The single contact can be used both for the power and for the signal connections.

### • **Misalignment correction**

The floating function adopting stepped screws will absorb possible misalignment resulting from mounting.

### • **Highly reliable contact performance**

The dimple featured contact ensures stable contact performance.

## Specifications

- Current rating: 2A AC, DC (AWG #24)
- Voltage rating: Signal circuit 30V AC, DC  
Power supply circuit 300V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/30m  $\Omega$  max.  
After environmental testing/50m  $\Omega$  max.
- Insulation resistance: 1,000M  $\Omega$  min.
- Withstanding voltage: Power-Signal 1,500V AC/minute  
Signal-Signal 500V AC/minute
- Applicable wire: AWG #28 to #24
- \* 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

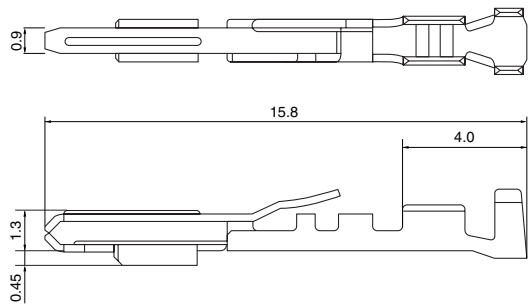
 Certified LR20812

 R50170333

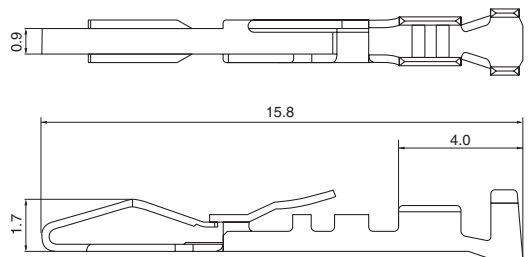
# TSD CONNECTOR

## Contact

Plug contact



Receptacle contact



| Model No.       |                    | Applicable wire |          | Insulation O.D. (mm) | Q'ty / reel |
|-----------------|--------------------|-----------------|----------|----------------------|-------------|
| Plug contact    | Receptacle contact | mm <sup>2</sup> | AWG#     |                      |             |
| STSD-002GG-P0.6 | STS-002GG-P0.6     | 0.08 to 0.22    | 28 to 24 | 0.9 to 1.5           | 10,000      |

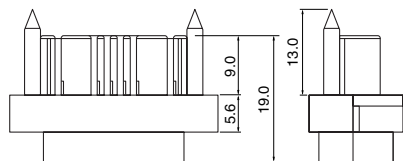
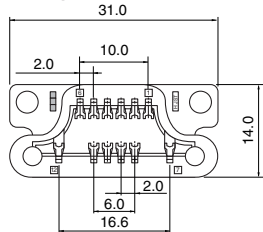
Material and Finish

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

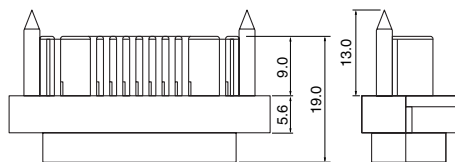
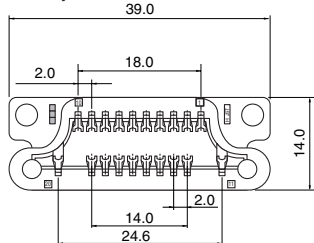
**RoHS compliance** This product displays (LF)(SN) on a label.

## Plug housing

(12 circuits)



(20 circuits)



| Circuits | Model No.  | Q'ty / box |
|----------|------------|------------|
| 12       | TSDP-12V-K | 100        |
| 20       | TSDP-20V-K | 50         |

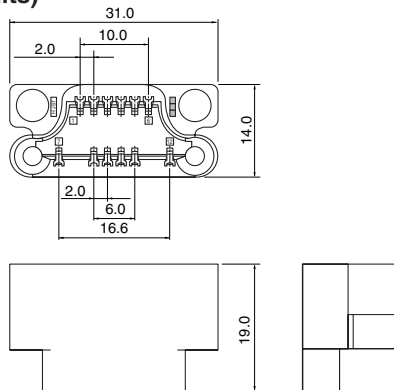
Material

Glass-filled PBT, UL94V-0

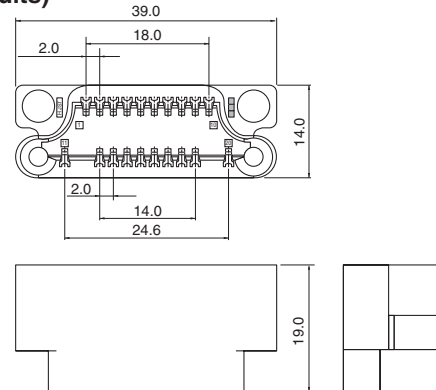
**RoHS compliance**

## Receptacle housing

(12 circuits)



(20 circuits)

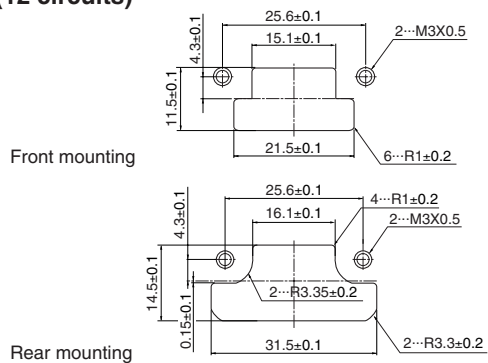


| Circuits                  | Model No.         | Q'ty / box |
|---------------------------|-------------------|------------|
| 12                        | <b>TSDR-12V-K</b> | 100        |
| 20                        | <b>TSDR-20V-K</b> | 50         |
| <b>Material</b>           |                   |            |
| Glass-filled PBT, UL94V-0 |                   |            |

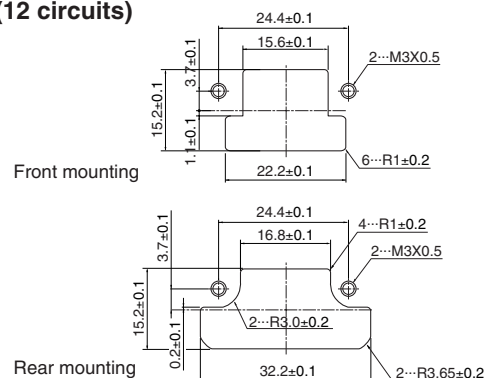
RoHS compliance

## Panel layout

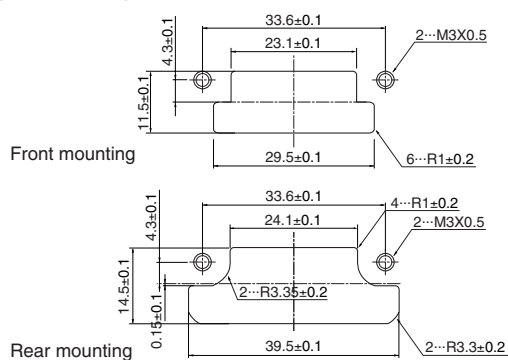
**Plug**  
(12 circuits)



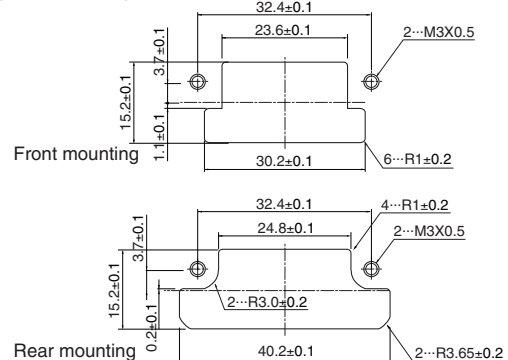
**Receptacle**  
(12 circuits)



(20 circuits)



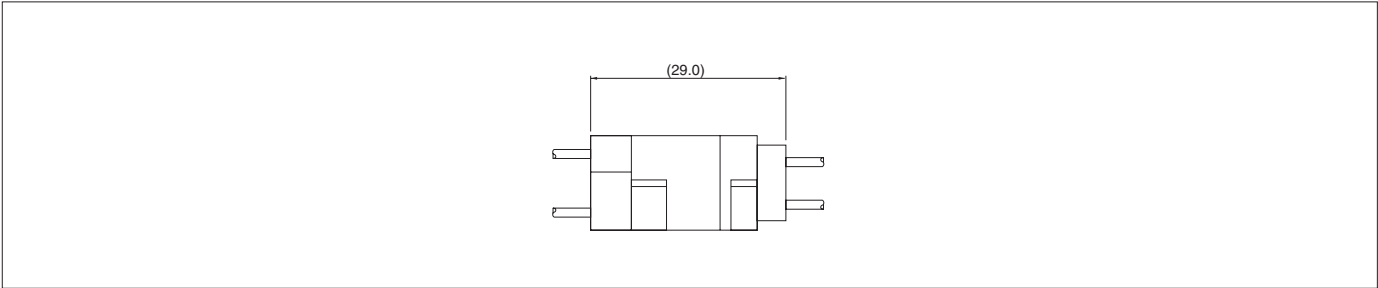
(20 circuits)



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.

TSD CONNECTOR

Assembly layout



Crimping machine, Applicator

| Contact                           | Crimping machine | Crimp applicator | Dies            | Crimp applicator with dies |
|-----------------------------------|------------------|------------------|-----------------|----------------------------|
| STSD-002GG-P0.6<br>STS-002GG-P0.6 | AP-K2N           | MKS-L            | MK/STS/D-002-06 | APLMK STS/D002-06          |