

SDF CONNECTOR

Crimp type connectors for 1.3 mm diameter and 1.0 mm square contacts

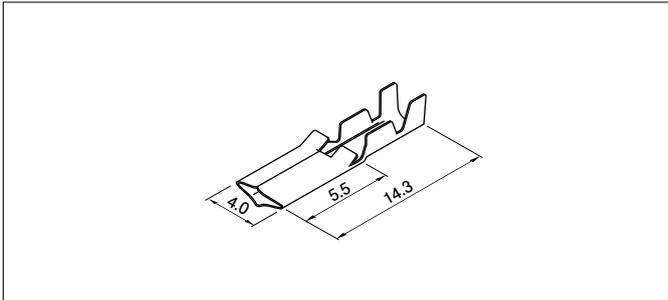


This connector is used for 1.3 mm diameter and 1.0 mm square contacts. It can connect wires on high-density printed circuit boards in the same manner as JST's SMF connectors. It provides a high pressure connection to the post for exceptional reliability.

Specifications

- Current rating: 5A AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
After environmental testing/ 15 mΩ max.
- Applicable wire: AWG #24 to #20
- Applicable PC board thickness: 1.6 mm
- * Compliant with RoHS.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

Contact



Model No.	Applicable wire			Applicable pin and post	Q'ty / reel
	mm ²	AWG #	Insulation O.D. (mm)		
SDF-01T-1.0A	0.2 to 0.5	24 to 20	1.5 to 2.7	WR-1009	6,500
SDF-01T-1.3AS				RT-01T-1.3B	

Material and Finish

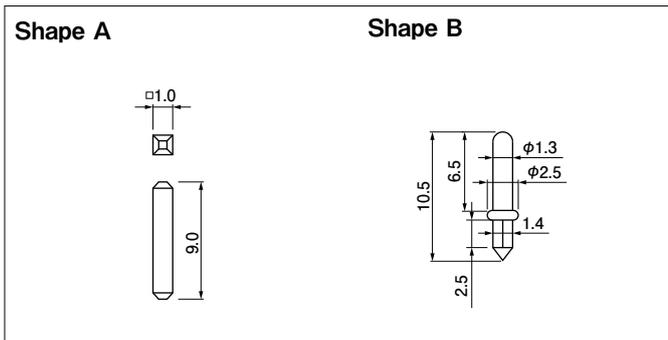
Brass, tin-plated (reflow treatment)

RoHS compliance

Note:

Contact JST if you require shielded wires or other special wires, or if two leads must be crimped in one contact.

Pin and post



Model No.	Shape	Applicable PC board		Q'ty / box
		Thickness (mm)	Hole diameter (mm) [Reference]	
WR-1009 (1.0X9)	A	1.6	1.30±0.05	20,000
RT-01T-1.3B	B	1.6	1.25±0.05	15,000

Material and Finish

WR-1009: Brass, copper-undercoated, tin-plated (reflow treatment)

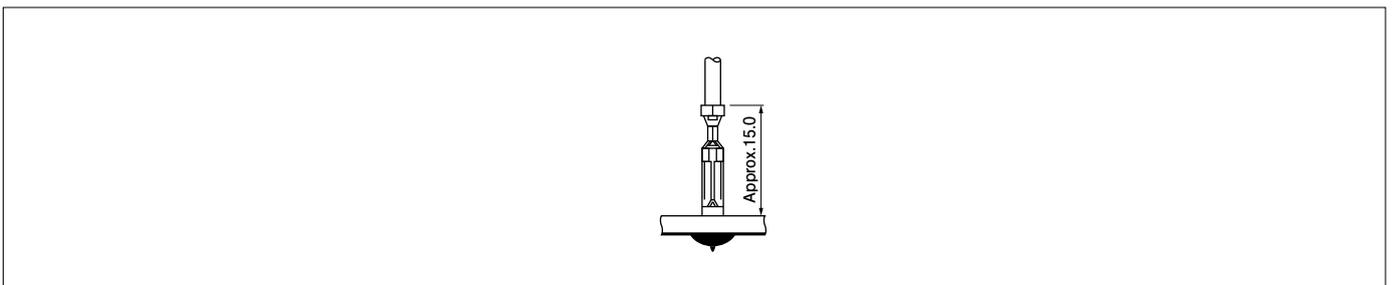
RT-01T-1.3B: Brass, nickel-undercoated, tin/copper alloy-plated

RoHS compliance WR-1009 (1.0X9) displays (LF) (SN) on a label.
RT-01T-1.3B displays (LF) on a label.

Note:

Hole dimensions may differ according to the type of PC board and piercing method.

Assembly layout



SDF CONNECTOR

Model number allocation

Contact

SDF - 01 T - 1.0 A

Series name _____

Applicable wire range: AWG #24 to #20 _____

Surface finish: T...Tin-plated (reflow treatment) _____

Applicable pin: 1.0...WR-1009, 1.3...RT-01T-1.3B _____

Indication of changes: In alphabetical order (from A) _____

Post (Shape A)

WR -1009 (1.0×9)

Series name _____

Applicable contact: SDF-01T-1.0A _____

Pin (Shape B)

RT - 01 T - 1.3 B

Series name _____

Type name _____

Surface finish: T...Nickel-undercoated Tin/Copper alloy-plated _____

Pin size _____

Shape _____

Crimping machine, Applicator

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SDF-01T-1.0A	AP-K2N	MKS-L	MK/SDF-01-13A	APLMK SDF01-13A
SDF-01T-1.3AS				

Note: Contact JST for fully automatic crimping applicator.