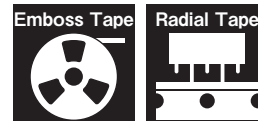
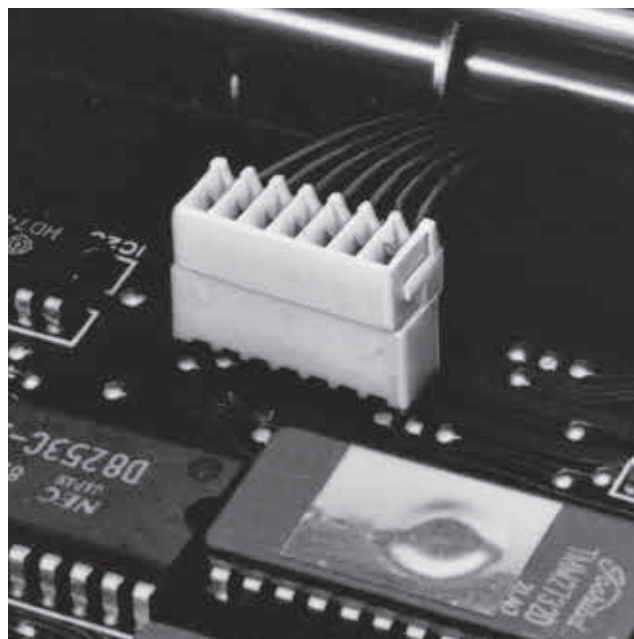


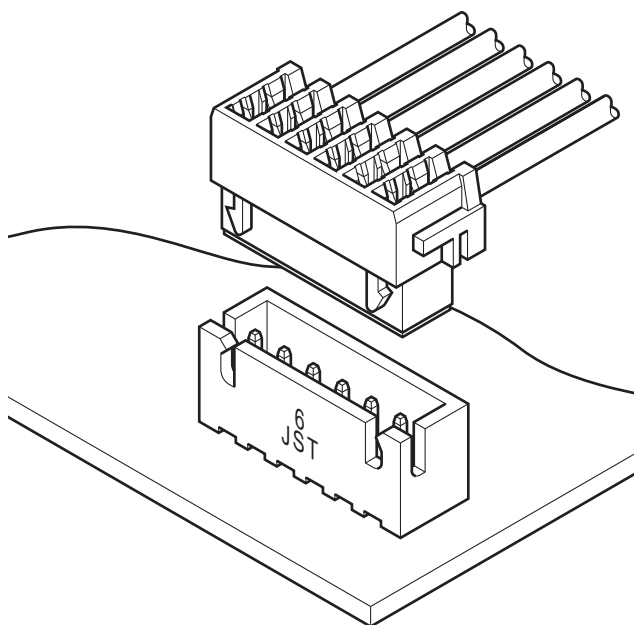
NR CONNECTOR



Disconnectable Insulation displacement connectors



The NR connector is our first insulation displacement connector designed for printed circuit boards and has a justified reputation for reliability. The receptacle accepts both discrete wires and ribbon cables.



Features

• Twin U-slot insulation displacement section

The insulation displacement section connected to each wire consists of two tin-plated slots (twin U-slot), which ensures reliable connection.

• Strain relief

The housing has a strain relief feature that supports and protects the insulation displacement connection from vibration, shock and bending.

• Interchangeability

The header is interchangeable with the XH connectors (crimp style), the NRD connectors (IDC style), and the JQ connectors (board-to-board style).

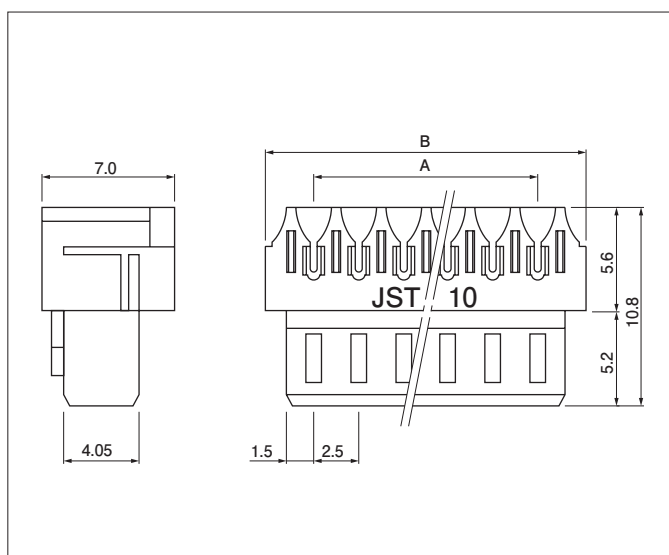
Specifications

- Current rating: 2 A AC/DC (AWG #24)
 - Voltage rating: 250 V 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 tests/ 20 mΩ max.
 - Insulation resistance: 1,000 MΩ min.
 - Withstanding voltage:
There shall be no breakdown or flashover while applying 1,500 VAC for one minute.
 - Applicable wire: UL1007
(Please contact JST for details regarding the use of other UL style wires.)
AWG #28, #26, #24
Conductor/ 7 strands, tin-coated
Insulation O.D./ 1.1 to 1.5 mm
 - Applicable PC board thickness: 1.6 mm
- * RoHS2 Compliance
- * Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the "Technical Documents" column on the Product Information page) before use.
- * Contact JST for details.

Standards

- TM :Recognized E60389
- CE :Certified LR20812

Socket



No. of circuits	Model No.			Dimensions (mm)		Q'ty / box
	AWG #28 (green)	AWG #26 (natural/white)	AWG #24 (black)	A	B	
2	02NR-E8M	02NR-E6S	02NR-E4K	2.5	7.5	1,000
3	03NR-E8M	03NR-E6S	03NR-E4K	5.0	10.0	1,000
4	04NR-E8M	04NR-E6S	04NR-E4K	7.5	12.5	1,000
5	05NR-E8M	05NR-E6S	05NR-E4K	10.0	15.0	500
6	06NR-E8M	06NR-E6S	06NR-E4K	12.5	17.5	500
7	07NR-E8M	07NR-E6S	07NR-E4K	15.0	20.0	500
8	08NR-E8M	08NR-E6S	08NR-E4K	17.5	22.5	500
9	09NR-E8M	09NR-E6S	09NR-E4K	20.0	25.0	250
10	10NR-E8M	10NR-E6S	10NR-E4K	22.5	27.5	250
12	12NR-E8M	12NR-E6S	12NR-E4K	27.5	32.5	200
13	13NR-E8M	13NR-E6S	13NR-E4K	30.0	35.0	200
14	—	14NR-E6S	—	32.5	37.5	200

Material and Finish

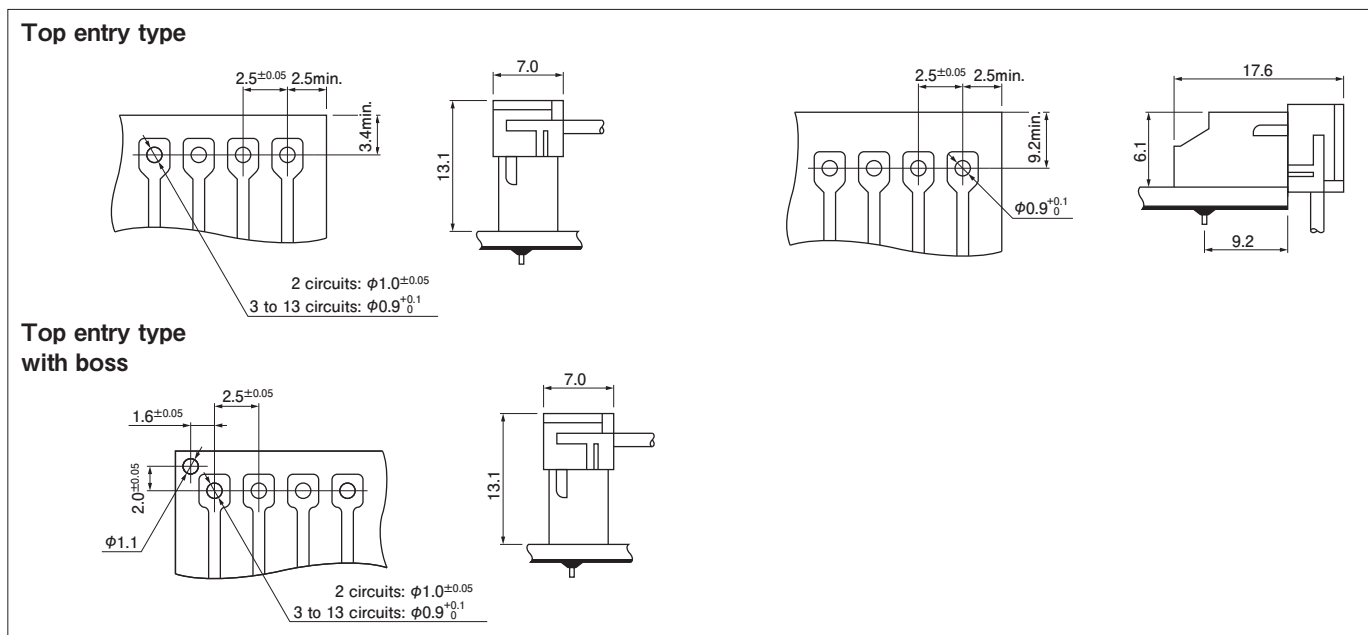
Contact: Phosphor bronze, nickel-undercoated, tin-plated
Housing: PA 66, UL94V-0

RoHS2 compliance This product displays (LF) on a label.
Note: 14NR-E6S is not registered with TÜV.

Header

The NR connector socket, NRD connector socket and JQ connector receptacle are used with the XH (plug) header.

PC board layout (viewed from soldering side) and Assembly layout



Note:

1. Tolerance for the PCB hole pitch shall be ± 0.05 and shall not accumulate.
2. Hole dimensions differ depending on the type of PCB and PCB drilling method.
When using a through-hole PCB or a board made of hard material, please consider a larger hole diameter.
The above dimensions are for reference only. Please contact JST for further details.

NR CONNECTOR

Model number allocation

Socket

02 NR - E 8 M

No. of circuits: 2 to 10, 12, 13 (AWG #26: 2 to 10, 12 to 14)

Series name

Wire connection form: Terminating the wire at its end

Applicable wire range: 4...AWG #24
6...AWG #26
8...AWG #28

Color: K...Black AWG #24 Standard color
S...Natural (White) AWG #26 Standard color
M...Green AWG #28 Standard color