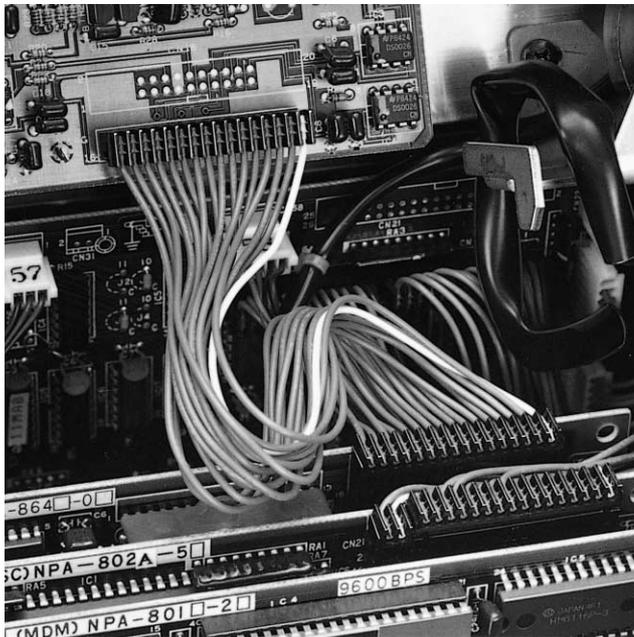
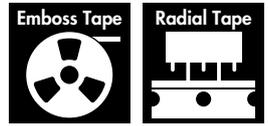
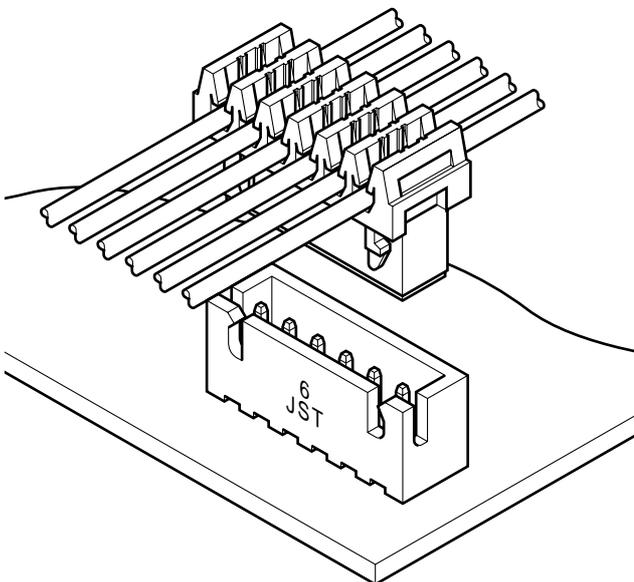


# NRD CONNECTOR

Disconnectable Insulation displacement connectors



**This 2.5mm (.098") pitch insulation displacement connector is another version of the NR connector for printed circuit boards. The NRD connector allows daisy chaining and is very useful in simplifying connection systems in electronic equipment.**



## Features

### • Daisy chain connection

The connection shown in the figure is commonly called "daisy chain connection"s or "through connection"s. With these simple connections, many signals can be bussed to many different printed circuit boards. The NRD connector is constructed to allow such daisy chain connections.

### • Reliable insulation displacement construction

The contact is identical to that of the NR connector which has an established reputation for superb reliability.

### • Strain relief

Two strain relief sections are provided on the housing to decouple vibration, bending forces and other external stresses from the insulation displacement section.

### • Interchangeability

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

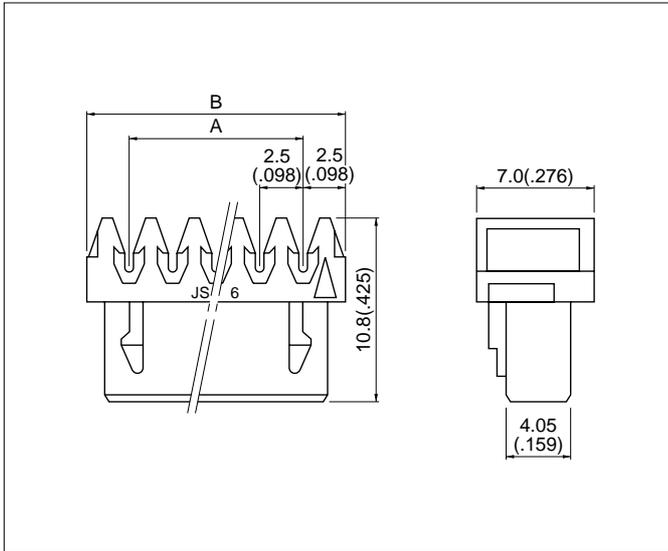
## Specifications

- Current rating: 2A AC, DC (AWG #24)
- Voltage rating: 250V AC, DC
- 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: 1,000M Ω min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: UL1007(Contact JST for details regarding other UL wires.)  
AWG #28, #26, #24  
Conductor/7 strands, tin-coated  
Insulation O.D./1.1 to 1.5mm(.043" to .059")
- Applicable PC board thickness: 1.6mm(.063")
- \* 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
- Ⓡ R85272

## Receptacle



Circuits	Model No.			Dimensions mm(in.)		Q'ty / box
	AWG #28 (green)	AWG #26 (natural/white)	AWG #24 (black)	A	B	
2	02NR-D8M	02NR-D6S	02NR-D4K	2.5( .098)	7.5( .295)	1,000
3	03NR-D8M	03NR-D6S	03NR-D4K	5.0( .197)	10.0( .394)	1,000
4	04NR-D8M	04NR-D6S	04NR-D4K	7.5( .295)	12.5( .492)	1,000
5	05NR-D8M	05NR-D6S	05NR-D4K	10.0( .394)	15.0( .591)	500
6	06NR-D8M	06NR-D6S	06NR-D4K	12.5( .492)	17.5( .689)	500
7	07NR-D8M	07NR-D6S	07NR-D4K	15.0( .591)	20.0( .787)	500
8	08NR-D8M	08NR-D6S	08NR-D4K	17.5( .689)	22.5( .886)	500
9	09NR-D8M	09NR-D6S	09NR-D4K	20.0( .787)	25.0( .984)	250
10	10NR-D8M	10NR-D6S	10NR-D4K	22.5( .886)	27.5(1.083)	250
12	12NR-D8M	12NR-D6S	12NR-D4K	27.5(1.083)	32.5(1.280)	250
14	14NR-D8M	14NR-D6S	14NR-D4K	32.5(1.280)	37.5(1.476)	200
16	16NR-D8M	16NR-D6S	16NR-D4K	37.5(1.476)	42.5(1.673)	200

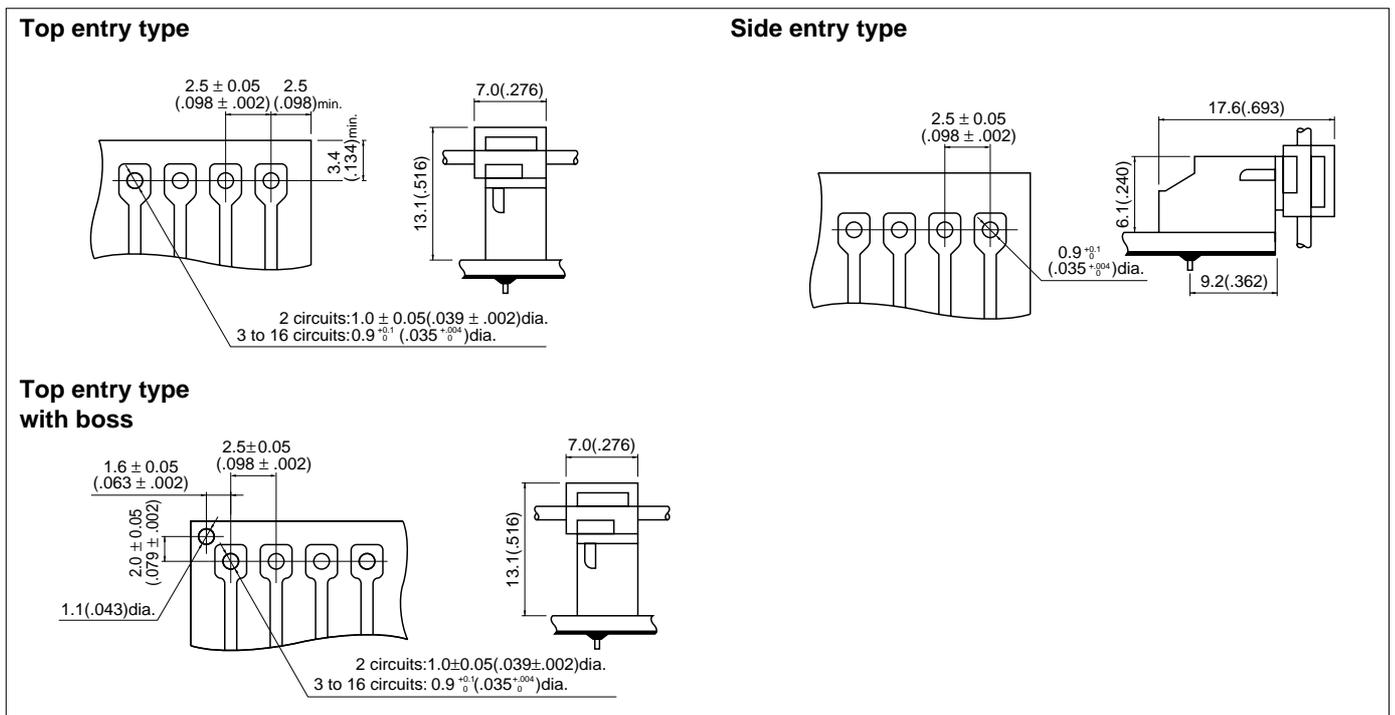
### Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin/lead-plated  
Housing: Nylon 66, UL94V-0

## Shrouded header

The shrouded headers are interchangeable with the XH connectors (crimp style), the NR connectors (IDC style), and the JQ connectors (board-to-board).

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



### Note:

1. Tolerances are non-cumulative: ±0.05mm (±.002") for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. If PC boards made of hard material are used, the hole dimensions should be larger. The dimensions above should serve as a guideline. Contact JST for details.