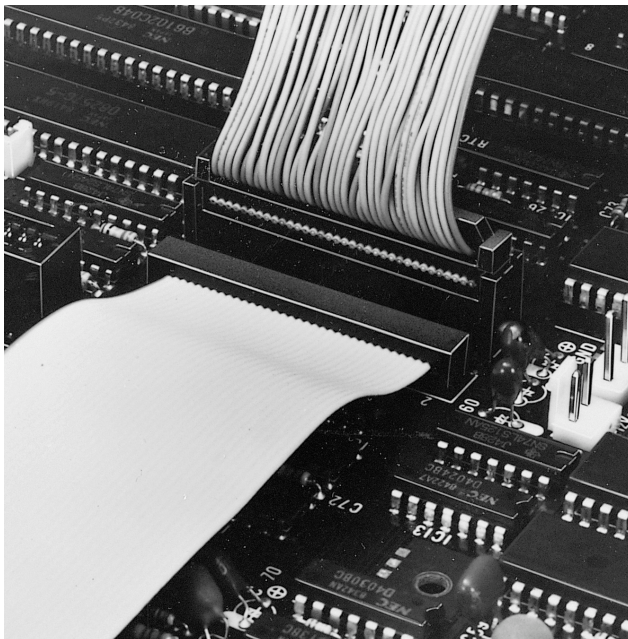
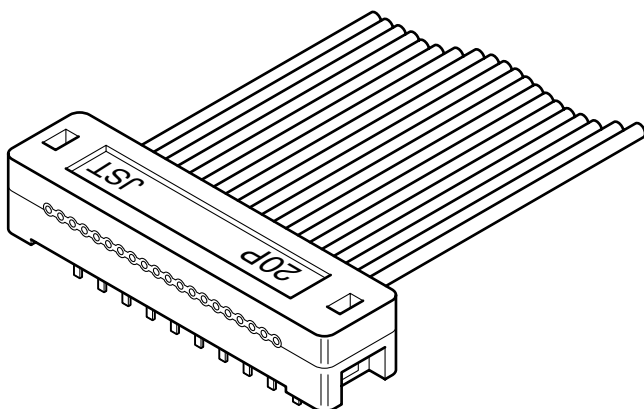


# RC CONNECTOR

Board-in Insulation displacement connectors for 1.27mm pitch ribbon cables



*The RC connector is a board-in type insulation displacement connector for 1.27mm pitch ribbon cables. The number of positions match the RA disconnectable connector series so that they can be used as a pair on opposite ends of a harness.*



## Features

### • Low profile with high-density mounting

The RC board-in connector has a low profile with a mounting height of 6.8mm and a width of 6.54mm. It allows 2.54mm pitch grid wiring for high density.

### • Use with an RA connector

This connector and a RA disconnectable connector can be used as a pair on opposite ends of a harness to reduce costs and mounting space.

### • Two kinds of plating

The contact comes in gold and tin-plated versions.

## Specifications

- Current rating: 1.0A AC, DC
- Voltage rating: 300V AC, DC
- Temperature range: (including temperature rise in applying electrical current)  
-55°C to +105°C
- Insulation resistance: 5,000M  $\Omega$  min.
- Withstanding voltage: 500V AC/5 seconds
- Applicable wire: AWG #28  
1.27mm pitch ribbon cable
- Applicable PC board thickness: 1.6mm
- \* Compliant with RoHS.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

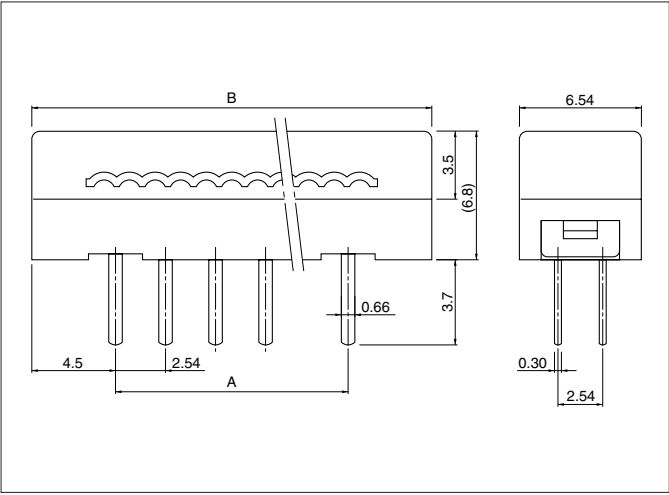
## Standards

Recognized E60389

Certified LR20812

# RC CONNECTOR

## Connector



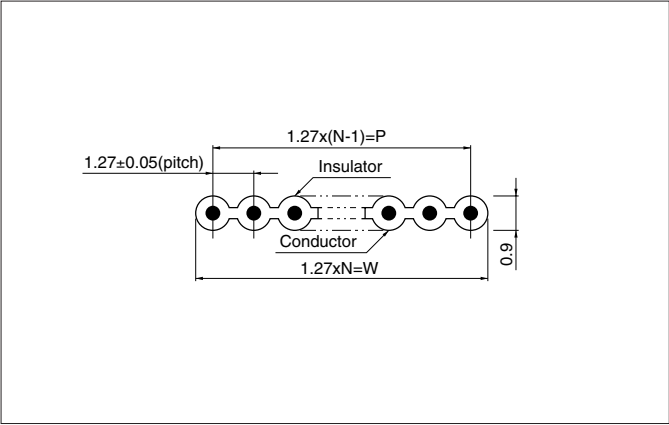
Circuits	Model No.		Dimensions (mm)		Q'ty / box
	Gold-plated version	Tin-plated version	A	B	
10	<b>RC-D10</b>	<b>RC-D10-290</b>	10.16	19.16	400
14	<b>RC-D14</b>	<b>RC-D14-290</b>	15.24	24.24	200
16	<b>RC-D16</b>	<b>RC-D16-290</b>	17.78	26.78	200
20	<b>RC-D20</b>	<b>RC-D20-290</b>	22.86	31.86	200
26	<b>RC-D26</b>	<b>RC-D26-290</b>	30.48	39.48	200
34	<b>RC-D34</b>	<b>RC-D34-290</b>	40.64	49.64	100
40	<b>RC-D40</b>	<b>RC-D40-290</b>	48.26	57.26	100
50	<b>RC-D50</b>	<b>RC-D50-290</b>	60.96	69.96	100
60	<b>RC-D60</b>	<b>RC-D60-290</b>	73.66	82.66	100

### Material and Finish

Housing: Glass-filled PBT, UL94V-0, black  
 Contact: Phosphor bronze  
 · Nickel-undercoated, Mating part; gold-plated  
 Solder tail; tin-plated (reflow treatment)  
 · Copper-undercoated, tin-plated (reflow treatment)

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

## Applicable cable



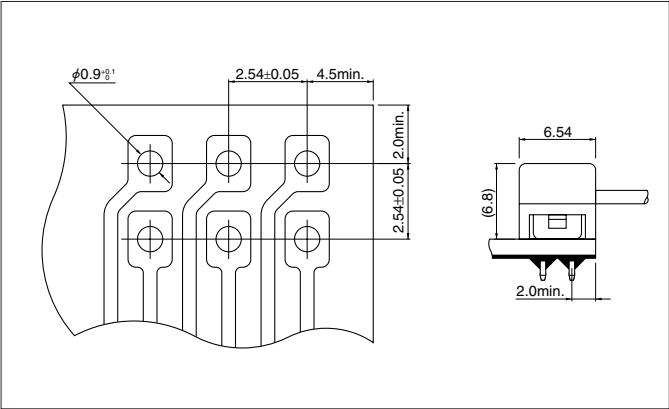
Note: N --- Number of circuits

Ribbon cables having the following specifications can be used with RC connectors. Contact JST for details.

Conductor	AWG #28 stranded wire Construction: 7/0.127mm dia. Material: Tin-plated annealed copper wire
	AWG #28 solid wire Construction: 0.32mm dia. Material: Tin-plated annealed copper wire
Insulator	Soft vinyl chloride

No. of conductors(n)	Dimensional tolerance (mm)	
	P	W
10 to 14	±0.18	±0.3
16 to 26	±0.28	±0.3
34 to 60	±0.38	±0.3

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



Note:  
 1. Tolerances are non-cumulative: ±0.05mm for all centers.  
 2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline.  
 Contact JST for details.