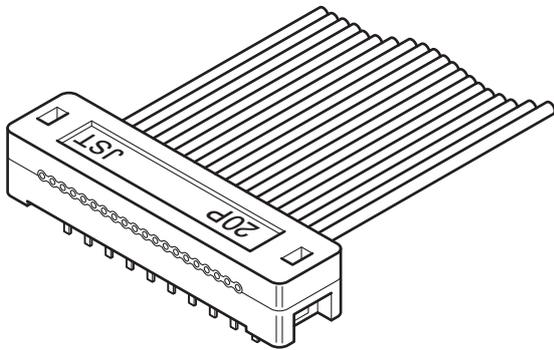


RC CONNECTOR

2.54 mm/For 1.27 mm pitch flat ribbon cables/Board-in type Insulation Displacement Connectors



This is a board-in type insulation displacement connector (IDC) for 1.27 mm pitch flat ribbon cables.

Feature

• Low profile

This connector is a low-profile, compact and space-saving board-in type IDC with a mounting height of 6.8 mm and a depth of 6.54 mm.

It enables high-density board pattern design because the soldering area is arranged in a 2.54 mm pitch grid.

• Two types of plating

This product is available in gold-plated and tin-plated types, which can be selected according to the application.

Standards

Ⓜ: Recognized E 60389

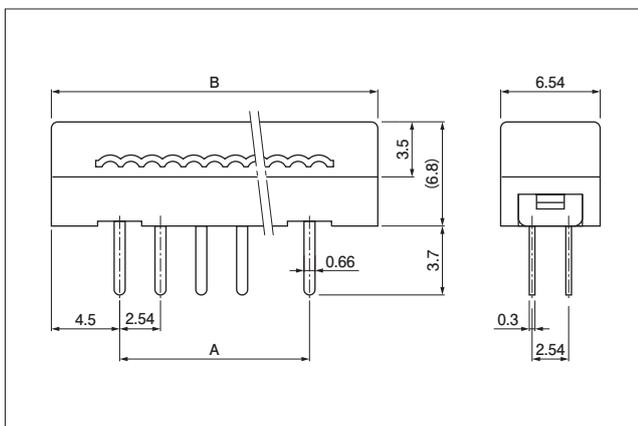
Ⓢ: Certified LR 20812

Specifications

- Current rating: 1.0 A AC/DC
- Voltage rating: 300 V AC/DC
- Temperature range: -55°C to +105°C
(including temperature rise in applying electrical current)
- Insulation resistance: 5,000 MΩ min.
- Withstanding voltage:
There shall be no breakdown or flashover while applying 500 VAC for 5 seconds.
- Applicable wire: AWG #28
1.27 mm pitch Flat ribbon cable
- Applicable PC board thickness: 1.6 mm

- * In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

Connector



No. of circuits	Model No.		Dimensions (mm)		Q'ty/box
	Gold-plated product	Tin-plated product	A	B	
10	RC-D10	RC-D10-290	10.16	19.16	400
14	RC-D14	—	15.24	24.24	200
20	—	RC-D20-290	22.86	31.86	200
26	—	RC-D26-290	30.48	39.48	200
34	RC-D34	RC-D34-290	40.64	49.64	100
40	RC-D40	—	48.26	57.26	100
50	RC-D50	RC-D50-290	60.96	69.96	100

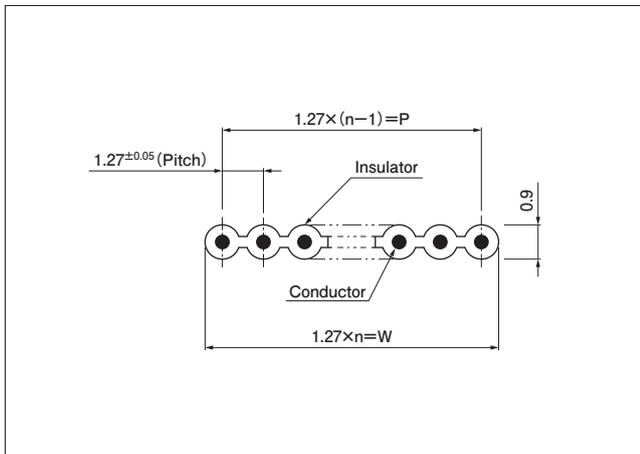
Material and Finish

- Gold-plated product
Contact: Copper alloy
nickel-undercoated, selective gold-plated (ID part)
nickel-undercoated, selective tin-plated (Solder tail)
Wafer, Cover housing: Thermoplastic resin, UL94V-0, black
- Tin-plated product
Contact: Copper alloy
copper-undercoated, tin-plated
Wafer, Cover housing: Thermoplastic resin, UL94V-0, black

Note: This product displays (LF) (SN) on a label.

RC CONNECTOR

Applicable cable

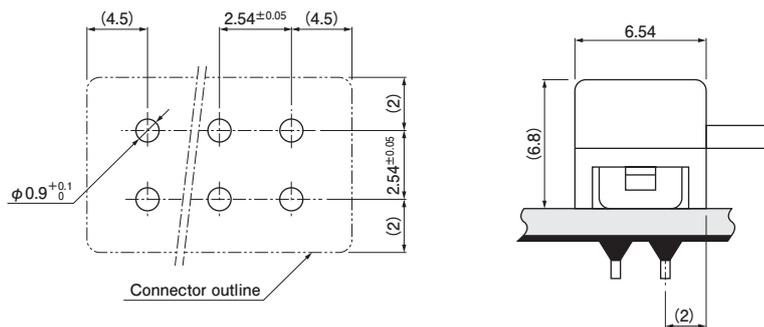


Flat ribbon cables having the following specifications can be used with RC connectors. Contact JST for details.

Conductor	AWG #28 stranded wire Composition: 7 conductors/ $\phi 0.127$ mm Material and surface finish: Annealed copper wire with tin coating
	AWG #28 solid wire Composition: $\phi 0.32$ mm Material and surface finish: Annealed copper wire with tin coating
Insulator	Soft vinyl chloride

No. of conductors (N)	Dimensional tolerance (mm)	
	P (between conductors at both ends)	W (total width)
10 to 14	± 0.18	± 0.3
20 to 26	± 0.28	± 0.3
34 to 50	± 0.38	± 0.3

PC board layout and Assembly layout



- Note: 1. The figure of PC board layout is the figure viewed from the connector mounting side.
 2. Tolerance for the PCB hole pitch shall be ± 0.05 and shall not accumulate.
 3. Hole dimensions differ according to the type of PC board and piercing method.
 Please contact JST for details as the dimensions shown in the above figure are reference values.