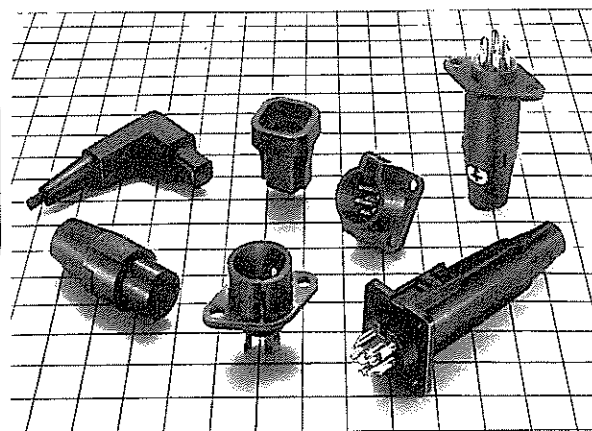


## RP SERIES CIRCULAR PLASTIC CONNECTORS

### Scope

RP series plastic connectors are developed to meet the demands of low cost and light weight consumer electronic equipment. Its unique one-touch locking mechanism is a push-on system. It offers easy coupling and stable performance.



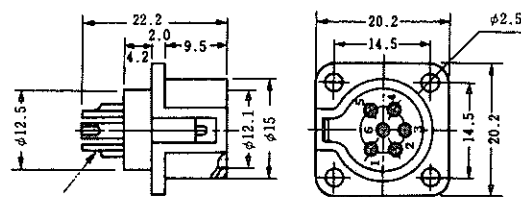
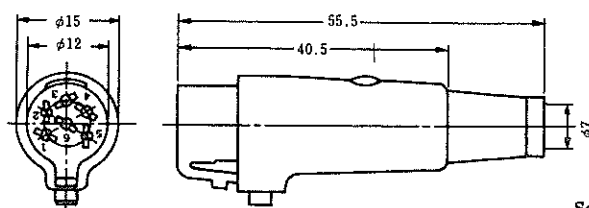
### Material and Finish

| Description           | Material                             | Finish         |
|-----------------------|--------------------------------------|----------------|
| Molding and Insulator | Polyamide resin and Polyacetal resin | —              |
| Male pin              | Brass                                | Silver plating |
| Female pin            | Phosphor bronze                      | Silver plating |

### Performance

| Description           | Test data          |                  |
|-----------------------|--------------------|------------------|
|                       | RPC1 • RPC2        | RP9              |
| Withstand voltage     | AC500V/1 minute    | AC300V/1 minute  |
| Current capacity      | 5A                 | 1A               |
| Insulation resistance | DC500V/1,000MΩ min | DC100V/200MΩ min |
| Contact resistance    | 5mΩ max at DC1A    | 10mΩ max at DC1A |

### RPC1



| HRS No.       | Part No.        | No. of pin | Colour | RoHS |
|---------------|-----------------|------------|--------|------|
| 113-0001-8-71 | RPC1-12P-6S(71) | 6          | Gray   | ○    |
| 113-0001-8-73 | RPC1-12P-6S(73) | 6          | Black  |      |

| HRS No.       | Part No.         | No. of pin | Colour | RoHS |
|---------------|------------------|------------|--------|------|
| 113-0020-2-71 | RPC1-12RB-6P(71) | 6          | Black  | ○    |
| 113-0020-2-72 | RPC1-12RB-6P(72) | 6          | Gray   |      |

Technical drawings of a 7-pin connector showing dimensions and a note.

Dimensions shown:

- Top view:  $\phi 15$
- Side view: 35, 9.5, 25.5,  $\phi 4$
- Pin detail: 22.5, 2, 9.5, 4.5,  $\phi 12$ ,  $\phi 15$
- Bottom view: 19, 22, 29, 2- $\phi 3.5$

Note: The 7 pins of whole dimension is applied 25mm.

Solder Pot  $\phi 1.4$

(An example in shape)

Technical drawing of a mechanical part with the following dimensions:

- Top horizontal dimension: 25
- Left vertical dimension:  $\phi 3.8$
- Right vertical dimension: 29
- Bottom horizontal dimension: 11.5
- Bottom horizontal dimension (inner): 7
- Bottom horizontal dimension (inner): 10
- Bottom horizontal dimension (inner): 8.5

**Solder Pot  $\phi 0.9$**

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