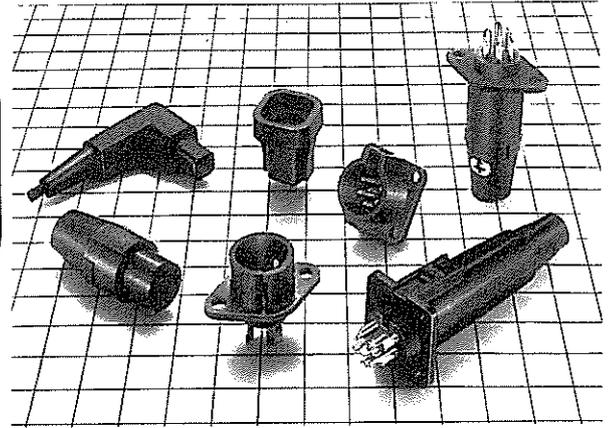# RP SERIES CIRCULAR PLASTIC CONNECTORS

## 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.
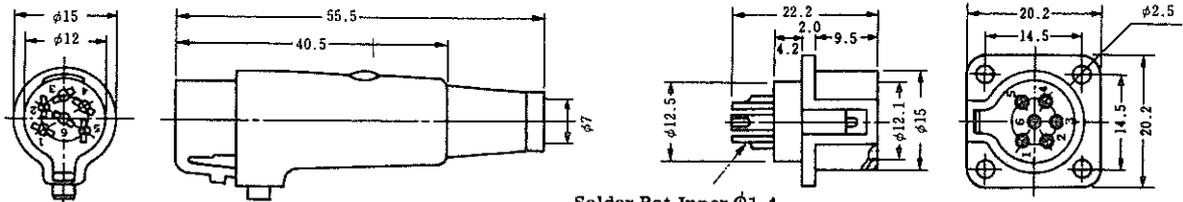


## Material and Finish

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

## Performance

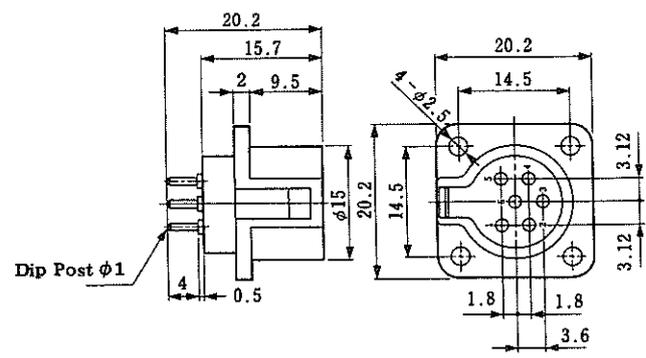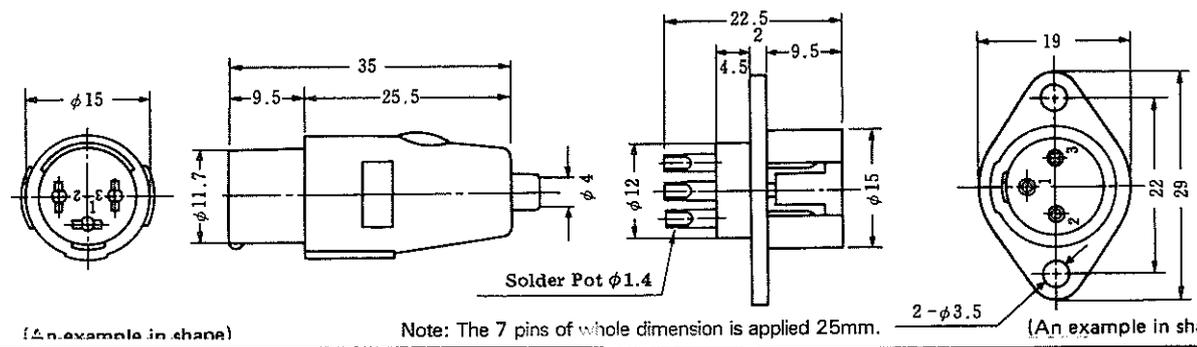| Description | Test data | |
| | RPC1 · RPC2 | RP9 |
|---|---|---|
| Withstand voltage | AC500V/1 minute | AC300V/1 minute |
| Current capacity | 5A | 1A |
| Insulation resistance | DC500V/1,000MΩ min | DC100V/200MΩ min |
| Contact resistance | 5mΩ max at DC1A | 10mΩ max at DC1A |

## RPC1



Solder Pot Inner $\phi$1.4

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

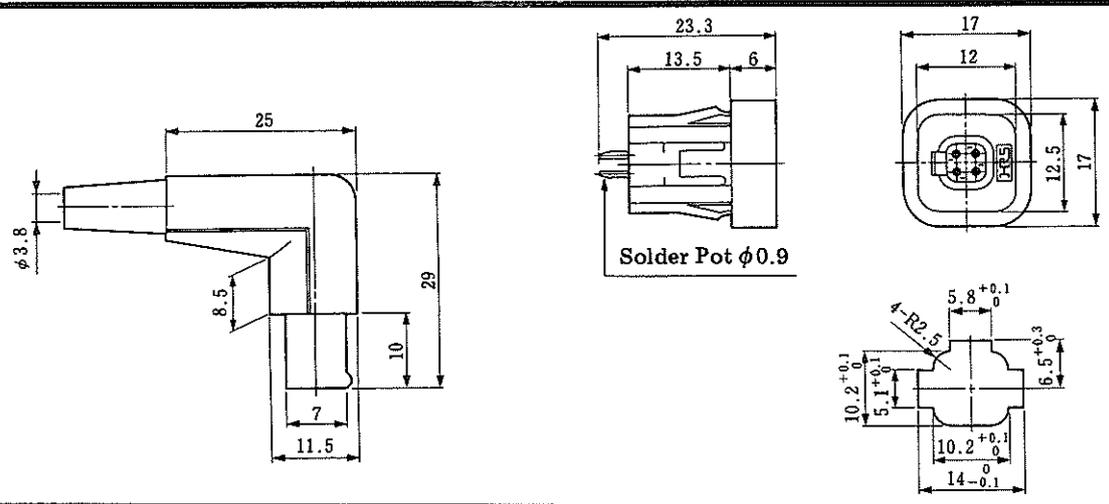| HRS No. | Part No. | No. of pin | Colour | RoHS |
|---|---|---|---|---|
| 113-0065-0-71 | RPC1-12RB-6PD(71) | 6 | Black | ○ |

# ■RPC2



[An example in shape]   Note: The 7 pins of whole dimension is applied 25mm.   (An example in shape)

Solder Pot φ1.4

| HRS No. | Part No. | No. of pin | Colour | RoHS |
|---|---|---|---|---|
| 113-0003-3-71 | RPC2-12P-3S(71) | 3 | Blue | ○ |
| 113-0015-2-71 | RPC2-12P-7S(71) | 7 | Blue | |

| HRS No. | Part No. | No. of pin | Colour | RoHS |
|---|---|---|---|---|
| 113-0023-0-71 | RPC2-12RB-3P(71) | 3 | Blue | ○ |
| 113-0024-3-71 | RPC2-12RB-7P(71) | 7 | Blue | |

# ■RP9



Solder Pot φ0.9

| HRS No. | Part No. | No. of pin | Colour | RoHS |
|---|---|---|---|---|
| 113-0049-4-71 | RP9-7P-4P(71) | 4 | Black | ○ |

| HRS No. | Part No. | No. of pin | Colour |
|---|---|---|---|
| 113-0050-3 | RP9-7R-4S | 4 | Black |

Remark: Applicable panel thickness: 1.6±0.03mm.