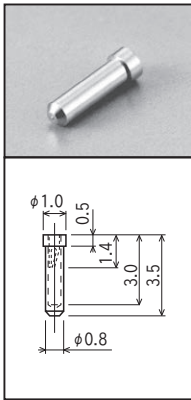


## Socket pin

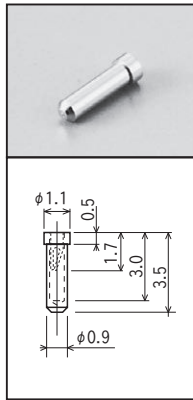
### PD series (100pcs/pack)

- Please use this item after checking the adaptive male pin diameter.

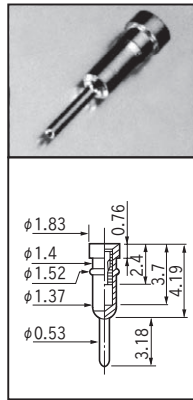
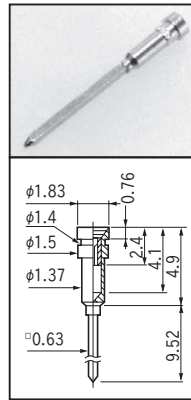
| Part No. | Plating specification |      | Adaptive male pin diameter | Male pin inserting depth | Printed board fitting hole diameter |                                                                  |
|----------|-----------------------|------|----------------------------|--------------------------|-------------------------------------|------------------------------------------------------------------|
|          | Contact               | Body |                            |                          |                                     |                                                                  |
| PD-01    | Gold                  | Gold | φ 0.15 to φ 0.23           | 3.0                      | φ 0.9 <sup>-0</sup>                 |                                                                  |
| PD-05    | Gold                  | Gold | φ 0.23 to φ 0.30           | 3.0                      | φ 1.0 <sup>-0</sup>                 |                                                                  |
| PD-1     | Gold                  | Tin  | φ 0.45 to φ 0.6            | 3.7                      | φ 0.6 <sup>-0</sup>                 |                                                                  |
| PD-10    | Gold                  | Gold | φ 0.45 to φ 0.6            | 3.7                      | φ 0.6 <sup>-0</sup>                 |                                                                  |
| PD-2     | Gold                  | Gold | φ 0.45 to φ 0.6            | 4.1                      | φ 1.0 <sup>-0</sup>                 |                                                                  |
| PD-4     | Gold                  | Tin  | φ 0.45 to φ 0.6            | 3.7                      | φ 1.4 <sup>-0</sup>                 |                                                                  |
| PD-40    | Gold                  | Gold | φ 0.45 to φ 0.6            | 3.7                      | φ 1.4 <sup>-0</sup>                 |                                                                  |
| PD-6     | Gold                  | Tin  | φ 0.40 to φ 0.54           | 3.7                      | φ 0.6 <sup>-0</sup>                 |                                                                  |
| PD-60    | Gold                  | Gold | φ 0.40 to φ 0.54           | 3.7                      | φ 0.6 <sup>-0</sup>                 |                                                                  |
| PD-7     | Gold                  | Tin  | φ 0.40 to φ .51            | 3.1                      | φ 1.0 <sup>-0</sup>                 |                                                                  |
| PD-70    | Gold                  | Gold | φ 0.40 to φ 0.51           | 3.1                      | φ 1.0 <sup>-0</sup>                 |                                                                  |
| PD-8     | Gold                  | Tin  | φ 0.40 to φ 0.51           | 3.9                      | φ 0.9 <sup>-0</sup>                 |                                                                  |
| PD-80    | Gold                  | Gold | φ 0.40 to φ 0.51           | 3.9                      | φ 0.9 <sup>-0</sup>                 |                                                                  |
| PD-9     | Gold                  | Tin  | φ 0.4 to φ 0.5             | 3.8                      | φ 0.5 <sup>-0</sup> to φ 0.6        |                                                                  |
| PD-90    | Gold                  | Gold | φ 0.4 to φ 0.5             | 3.8                      | φ 0.5 <sup>-0</sup> to φ 0.6        |                                                                  |
| PD-91    | Gold                  | Tin  | φ 0.4 to φ 0.5             | 3.8                      | φ 0.5 <sup>-0</sup> to φ 0.6        |                                                                  |
| PD-910   | Gold                  | Gold | φ 0.4 to φ 0.5             | 3.8                      | φ 0.5 <sup>-0</sup> to φ 0.6        |                                                                  |
| PD-11    | Gold                  | Tin  | φ 0.25 to φ 0.45           | 2.6                      | φ 0.5 <sup>-0</sup>                 |                                                                  |
| PD-12    | Gold                  | Tin  | φ 0.35 to φ 0.50           | 3.0                      | φ 1.0 <sup>-0</sup>                 |                                                                  |
| PD-13    | Gold                  | Tin  | φ 0.35 to φ 0.50           | Free                     | φ 1.0 <sup>-0</sup>                 | The bottom is pierced.                                           |
| PD-14    | Gold                  | Gold | φ 0.35 to φ 0.50           | Free                     | φ 1.0 <sup>-0</sup>                 | Electric wire can be crimped on the opposite side.               |
| PD-31    | Gold                  | Tin  | φ 0.65 to φ 0.85, □0.64    | 5.8                      | φ 0.7 <sup>-0</sup>                 |                                                                  |
| PD-310   | Gold                  | Gold | φ 0.65 to φ 0.85, □0.64    | 5.8                      | φ 0.7 <sup>-0</sup>                 |                                                                  |
| PD-51    | Gold                  | Tin  | φ 0.45 to φ 0.6            | 4.0                      | φ 1.5 <sup>-0</sup>                 | A male pin can be inserted from the both directions.             |
| PD-61    | Gold                  | Tin  | φ 0.6 to φ 0.8             | 4.2                      | φ 0.7 <sup>-0</sup>                 |                                                                  |
| PD-61A   | Gold                  | Tin  | φ 0.6 to φ 0.8             | 4.3                      | φ 0.7 <sup>-0</sup>                 |                                                                  |
| PD-62    | Gold                  | Tin  | φ 0.6 to φ 0.8             | 4.2                      | φ 1.8 <sup>-0</sup>                 |                                                                  |
| PD-63    | Gold                  | Tin  | φ 0.6 to φ 0.8             | 4.5                      | φ 2.1 <sup>-0</sup>                 | A male pin can be inserted from the both directions.             |
| PD-66    | Gold                  | Tin  | φ 0.6 to φ 0.8             | Free                     | φ 1.8 <sup>-0</sup>                 | The bottom is pierced.                                           |
| PD-71    | Gold                  | Tin  | φ 0.8 to φ 1.0             | 5.0                      | φ 0.9 <sup>-0</sup> to φ 1.0        |                                                                  |
| PD-72    | Gold                  | Tin  | φ 0.8 to φ 1.0             | 5.0                      | φ 2.3 <sup>-0</sup>                 |                                                                  |
| PD-73    | Gold                  | Tin  | φ 0.8 to φ 1.0             | 4.5                      | φ 2.3 <sup>-0</sup>                 | A male pin can be inserted from the both directions.             |
| PD-74    | Gold                  | Tin  | φ 0.8 to φ 1.0             | 5.0                      | φ 0.9 <sup>-0</sup> to φ 1.0        |                                                                  |
| PD-77    | Gold                  | Tin  | φ 0.8 to φ 1.0             | Free                     | φ 2.3 <sup>-0</sup>                 | The bottom is pierced.                                           |
| PD-131   | Gold                  | Tin  | φ 1.2 to φ 1.45            | 6.0                      | φ 3.0 <sup>-0</sup>                 |                                                                  |
| PD-132   | Gold                  | Tin  | φ 1.2 to φ 1.45            | 6.0                      | φ 3.0 <sup>-0</sup>                 |                                                                  |
| PD-133   | Gold                  | Tin  | φ 1.2 to φ 1.45            | Free                     | φ 3.0 <sup>-0</sup>                 | The bottom is pierced.                                           |
| PD-151   | Gold                  | Gold | φ 1.3 to φ 1.6             | 6.0                      | φ 3.3 <sup>-0</sup>                 |                                                                  |
| PD-152   | Gold                  | Gold | φ 1.3 to φ 1.6             | 6.0                      | φ 3.3 <sup>-0</sup>                 |                                                                  |
| PD-155   | Gold                  | Gold | φ 1.3 to φ 1.6             | Free                     | φ 3.3 <sup>-0</sup>                 | The bottom is pierced.                                           |
| PD-191   | Gold                  | Tin  | φ 1.7 to φ 2.1             | 6.5                      | φ 3.8 <sup>-0</sup>                 |                                                                  |
| PD-192   | Gold                  | Tin  | φ 1.7 to φ 2.1             | 6.5                      | φ 3.8 <sup>-0</sup>                 |                                                                  |
| PD-193   | Gold                  | Gold | φ 1.7 to φ 2.1             | 6.5                      | φ 2.2 <sup>-0</sup>                 |                                                                  |
| PD-194   | Gold                  | Gold | φ 1.7 to φ 2.1             | 6.5                      | φ 2.2 <sup>-0</sup>                 |                                                                  |
| PD-199   | Gold                  | Tin  | φ 1.7 to φ 2.1             | Free                     | φ 3.8 <sup>-0</sup>                 | The bottom is pierced.                                           |
| PDS-510  | Gold                  | Gold | φ 0.45 to φ 0.6            | 3.3                      | —                                   | Recommended land information for surface mounting: φ 2.0 or over |



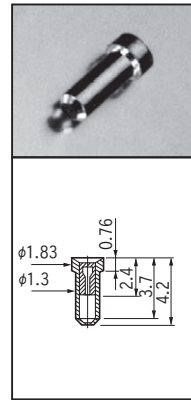
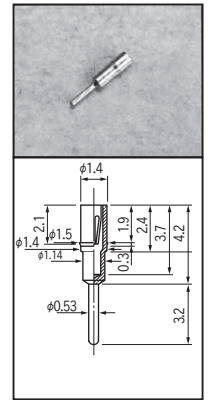
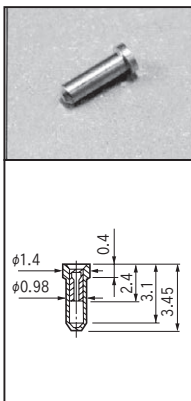
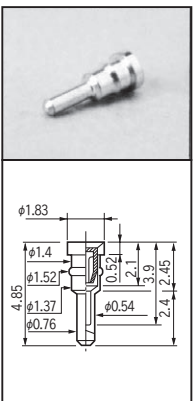
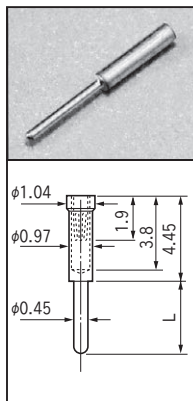
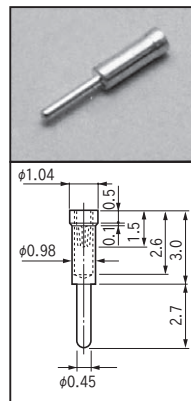
PD-01



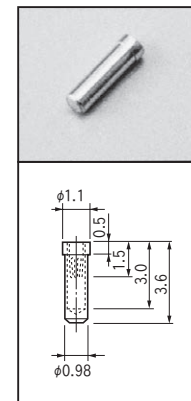
PD-05


PD-1  
PD-10


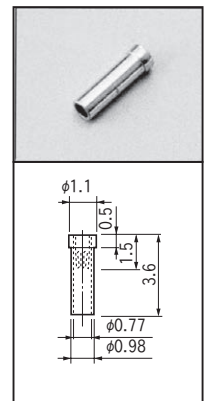
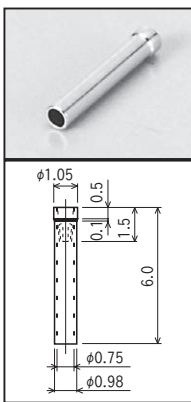
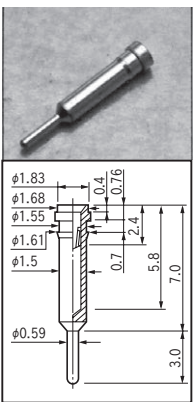
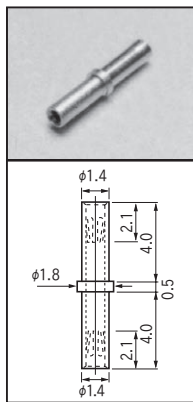
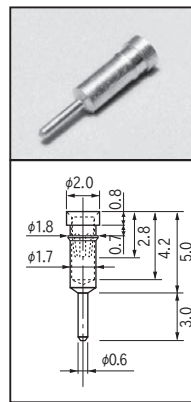
PD-2


PD-4  
PD-40

PD-6  
PD-60

PD-7  
PD-70

PD-8  
PD-80

PD-9,90...L=4.57  
PD-91,910...L=10.16


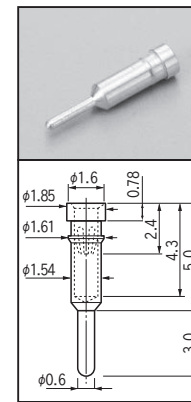
PD-11



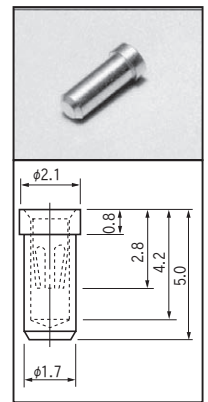
PD-12


PD-13  
(The bottom is pierced.)

PD-14  
(Electric wire can be crimped on one side.)

PD-31  
PD-310

PD-51  
(A male pin can be inserted from the both directions.)


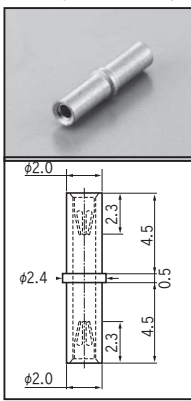
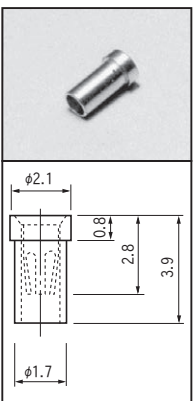
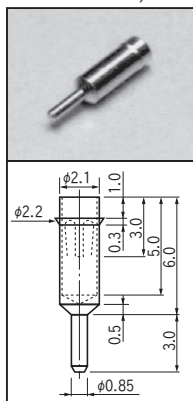
PD-61



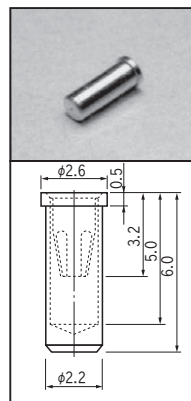
PD-61A



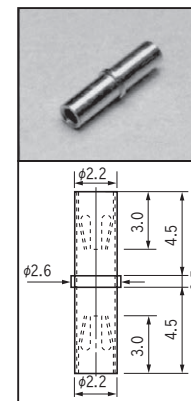
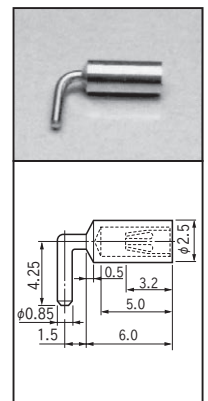
PD-62


PD-63  
(A male pin can be inserted from the both directions.)

PD-66  
(The bottom is pierced.)


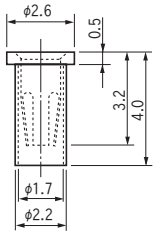
PD-71



PD-72

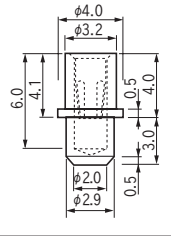
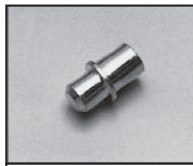

PD-73  
(A male pin can be inserted from the both directions.)


PD-74

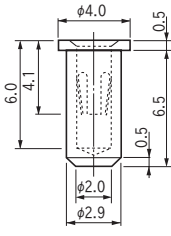


PD-77

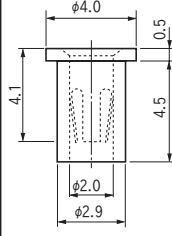
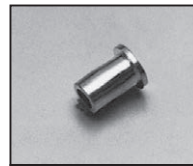
(The bottom is pierced.)



PD-131

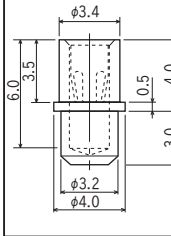


PD-132

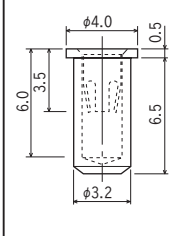


PD-133

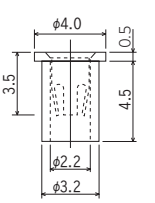
(The bottom is pierced.)



PD-151

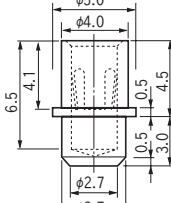
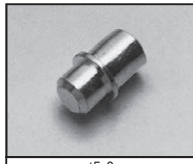


PD-152

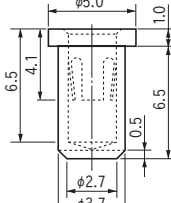
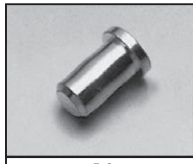


PD-155

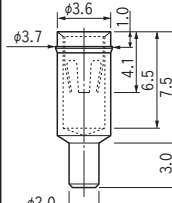
(The bottom is pierced.)



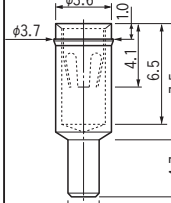
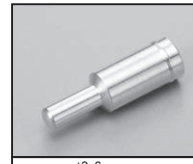
PD-191



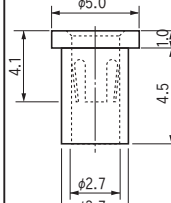
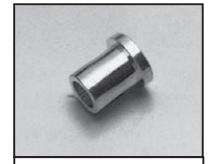
PD-192



PD-193

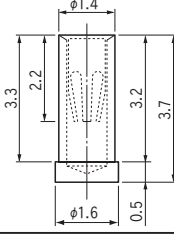
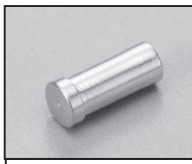


PD-194



PD-199

(The bottom is pierced.)



PDS-510

|                                | PD-01                                          | PD-05 | PD-1 | PD-2 | PD-40 | PD-60 | PD-70 | PD-80 | PD-90 | PD-910 | PD-10 | PD-11 | PD-12 | PD-13 |
|--------------------------------|------------------------------------------------|-------|------|------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|                                |                                                |       |      |      | PD-4  | PD-6  | PD-7  | PD-8  | PD-9  | PD-91  |       |       |       |       |
| Rated Current                  | 1 A                                            |       |      |      |       |       |       |       |       |        |       |       |       |       |
| Contact Resistance             | 10 m Ω or Less                                 |       |      |      |       |       |       |       |       |        |       |       |       |       |
| Operating Temperature Range    | − 40 to + 125℃                                 |       |      |      |       |       |       |       |       |        |       |       |       |       |
| Insertion / removal durability | 100 cycles                                     |       |      |      |       |       |       |       |       |        |       |       |       |       |
| Insertion Forces (g or over)   | 10                                             | 70    |      |      |       | 50    | 70    | 20    |       | 70     | 50    | 20    |       |       |
| Removal Forces (g or over)     | 10                                             | 70    |      |      |       | 50    | 70    | 20    |       | 70     | 50    | 20    |       |       |
| Material                       | Inner contact: Beryllium Copper<br>Body: Brass |       |      |      |       |       |       |       |       |        |       |       |       |       |

|                                | PD-14                                          | PD-310<br>PD-31 | PD-51 | PD-61 | PD-61A | PD-62 | PD-63 | PD-66 | PD-71 | PD-72 | PD-73 | PD-74 | PD-77 | PD-131 |
|--------------------------------|------------------------------------------------|-----------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Rated Current                  | 1A                                             | 3A              | 1A    | 5A    | 3A     | 5A    |       |       |       |       |       |       |       | 15A    |
| Contact Resistance             | 10 m Ω or Less                                 |                 |       |       |        |       |       |       |       |       |       |       |       |        |
| Operating Temperature Range    | − 40 to + 125°C                                |                 |       |       |        |       |       |       |       |       |       |       |       |        |
| Insertion / removal durability | 100 cycles                                     |                 |       |       |        |       |       |       |       |       |       |       |       |        |
| Insertion Forces (g or over)   | 20                                             | 50              | 70    | 150   | 70     | 150   |       |       |       |       |       |       |       | 100    |
| Removal Forces (g or over)     | 20                                             | 50              | 70    | 150   | 70     | 150   |       |       |       |       |       |       |       | 100    |
| Material                       | Inner contact: Beryllium Copper<br>Body: Brass |                 |       |       |        |       |       |       |       |       |       |       |       |        |

|                                | PD-132                                         | PD-133 | PD-151 | PD-152 | PD-155 | PD-191 | PD-192 | PD-193 | PD-194 | PD-199 | PDS-510 |
|--------------------------------|------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Rated Current                  | 15A                                            |        |        |        |        | 20A    |        |        |        |        | 1A      |
| Contact Resistance             | 10 m Ω or Less                                 |        |        |        |        |        |        |        |        |        |         |
| Operating Temperature Range    | − 40 to + 125℃                                 |        |        |        |        |        |        |        |        |        |         |
| Insertion / removal durability | 100 cycles                                     |        |        |        |        |        |        |        |        |        |         |
| Insertion Forces (g or over)   | 100                                            |        |        |        |        | 150    |        |        |        |        | 70      |
| Removal Forces (g or over)     | 100                                            |        |        |        |        | 150    |        |        |        |        | 70      |
| Material                       | Inner contact: Beryllium Copper<br>Body: Brass |        |        |        |        |        |        |        |        |        |         |

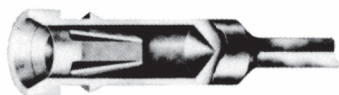


Diagram of the inner structure of the socket

## Socket pin PD series Taping type

### PD series

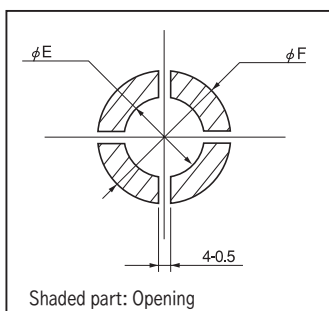
- The following socket pins are provided in tape and reel.  
Can be mounted automatically.
- Please use the mounter with have automatic recognition function.
- The product specification is same as PD series.



### ■ Part No.

| Part No. | A    | B    | C    | H    | Recommended fitting<br>TH diameter | Land diameter | Metal mask |     | Package     |
|----------|------|------|------|------|------------------------------------|---------------|------------|-----|-------------|
|          |      |      |      |      |                                    |               | E          | F   |             |
| PD-4-T   | 2.13 | 1.52 | 1.06 | 4.5  | $\phi 1.5^{+0.1}_{-0}$             | 2.5           | 1.5        | 2.5 | 400pcs/reel |
| PD-40-T  | 2.13 | 1.52 | 1.06 | 4.5  | $\phi 1.5^{+0.1}_{-0}$             | 2.5           | 1.5        | 2.5 | 400pcs/reel |
| PD-7-T   | 1.7  | 1.13 | 0.7  | 3.75 | $\phi 1.1^{+0.1}_{-0}$             | 2.0           | 1.1        | 2.0 | 500pcs/reel |
| PD-70-T  | 1.7  | 1.13 | 0.7  | 3.75 | $\phi 1.1^{+0.1}_{-0}$             | 2.0           | 1.1        | 2.0 | 500pcs/reel |
| PD-62-T  | 2.4  | 1.9  | 1.1  | 5.3  | $\phi 1.9^{+0.1}_{-0}$             | 3.0           | 1.9        | 3.0 | 350pcs/reel |
| PD-72-T  | 2.9  | 2.4  | 0.8  | 6.3  | $\phi 2.4^{+0.1}_{-0}$             | 3.5           | 2.4        | 3.5 | 300pcs/reel |
| PD-132-T | 4.3  | 3.1  | 0.8  | 7.3  | $\phi 3.2^{+0.1}_{-0}$             | 5.0           | 3.2        | 5.0 | 250pcs/reel |

### ■ Recommended metal mask



### ■ Dimension of the reel

