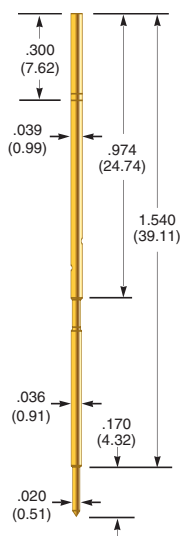


# Double-Ended Receptacles

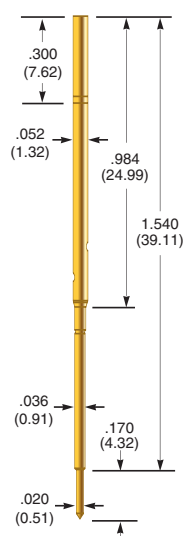
**DER-050**  
**DER-075**  
**DER-100**

Test Center  
**.050 (1.27)**  
**.075 (1.91)**  
**.100 (2.54)**

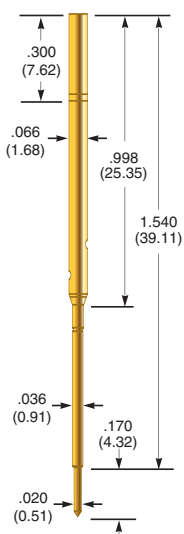
Order your ECT Test Probes from ROMEX B.V. via Phone: +31-(0)317-389787, Fax: +31-(0)317-389780 or E-mail: info@romex.nl.



**DER-050**



**DER-075**



**DER-100**

## B TIP STYLE

Order DER-xxxB-3.5



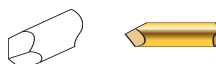
## J TIP STYLE

Order DER-xxxJ-3.5



## T TIP STYLE

Order DER-xxxT-3.5



Loaded PCB Test Probes

| Receptacle Specifications       | DER-050             | DER-075               | DER-100               |
|---------------------------------|---------------------|-----------------------|-----------------------|
| <b>Mechanical</b>               |                     |                       |                       |
| Recommended Mounting Centers:   | .050 (1.27)         | .075 (1.91)           | .100 (2.54)           |
| Full Travel:                    | .160 (4.06)         | .160 (4.06)           | .160 (4.06)           |
| Recommended Travel:             | .130 (3.30)         | .130 (3.30)           | .130 (3.30)           |
| Test Height:                    | 1.586 (40.28)       | 1.586 (40.28)         | 1.586 (40.28)         |
| Spring Force in oz. (grams):    | 3.5 (99)            | 3.5 (99)              | 3.5 (99)              |
| Overall Length:                 | 1.710 (43.43)       | 1.710 (43.43)         | 1.710 (43.43)         |
| Recommended Mounting Hole Size: | .037/.038 (.94/.97) | .053/.055 (1.35/1.40) | .067/.069 (1.70/1.75) |

|                               |                                               |                                               |                                               |
|-------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| <b>Materials and Finishes</b> |                                               |                                               |                                               |
| Plunger:                      | Beryllium copper alloy, hard gold over nickel | Beryllium copper alloy, hard gold over nickel | Beryllium copper alloy, hard gold over nickel |
| Barrel:                       | Beryllium copper alloy, hard gold over nickel | Beryllium copper alloy, hard gold over nickel | Beryllium copper alloy, hard gold over nickel |
| Spring:                       | Steel alloy, hard gold over nickel            | Steel alloy, hard gold over nickel            | Steel alloy, hard gold over nickel            |
| Receptacle:                   | Beryllium copper alloy, hard gold over nickel | Nickel silver alloy, hard gold over nickel    | Nickel silver alloy, hard gold over nickel    |

|                                            |                     |                         |                                       |
|--------------------------------------------|---------------------|-------------------------|---------------------------------------|
| <b>Fixture Probes</b> (Ordered Separately) | Pogo-62 (see below) | Pogo-1 (see page 10-11) | Pogo-25/LTP-25 (see pages 12, 13, 15) |
|--------------------------------------------|---------------------|-------------------------|---------------------------------------|

| Probe Specifications        | POGO-62        | POGO-62 Steel  |
|-----------------------------|----------------|----------------|
| <b>Mechanical</b>           |                |                |
| Full Travel:                | .250 (6.35)    | .250 (6.35)    |
| Recommended Working Travel: | .167 (4.24)    | .167 (4.24)    |
| Mechanical Life:            | 500,000 cycles | 500,000 cycles |

|                                                                                    |                 |                 |
|------------------------------------------------------------------------------------|-----------------|-----------------|
| <b>Operating Temperature</b>                                                       | -55°C to +105°C | -55°C to +105°C |
| Consult factory for other temperature requirements, and applications below -40° C. |                 |                 |

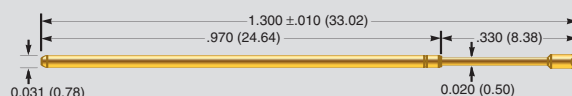
|                                                             |        |        |
|-------------------------------------------------------------|--------|--------|
| <b>Electrical</b> (Static Conditions)                       |        |        |
| Current Rating:                                             | 3 amps | 3 amps |
| Maximum continuous current, non-inductive at working travel |        |        |

|                                 |       |       |
|---------------------------------|-------|-------|
| <b>Average Probe Resistance</b> | 15 mΩ | 15 mΩ |
|---------------------------------|-------|-------|

|                               |                                                       |                                                       |
|-------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| <b>Materials and Finishes</b> |                                                       |                                                       |
| Plunger:                      | Heat-treated beryllium copper, hard gold over nickel  | Heat-treated tool steel, hard gold over nickel        |
| Barrel:                       | Work-hardened beryllium copper, hard gold over nickel | Work-hardened beryllium copper, hard gold over nickel |
| Spring:                       | Music wire                                            | Music wire                                            |
| Ball:                         | Stainless steel                                       | Stainless steel                                       |

|                                    |              |            |
|------------------------------------|--------------|------------|
| <b>Spring Force in oz. (grams)</b> |              |            |
| Spring Type                        | Preload      | 2/3 Travel |
| Light                              | -2 .48 (14)  | 2.0 (57)   |
| Standard                           | -4 1.02 (29) | 4.0 (113)  |
| Alternate                          | -6 .66 (19)  | 6.0 (170)  |

## POGO-62



## Tip Styles

