

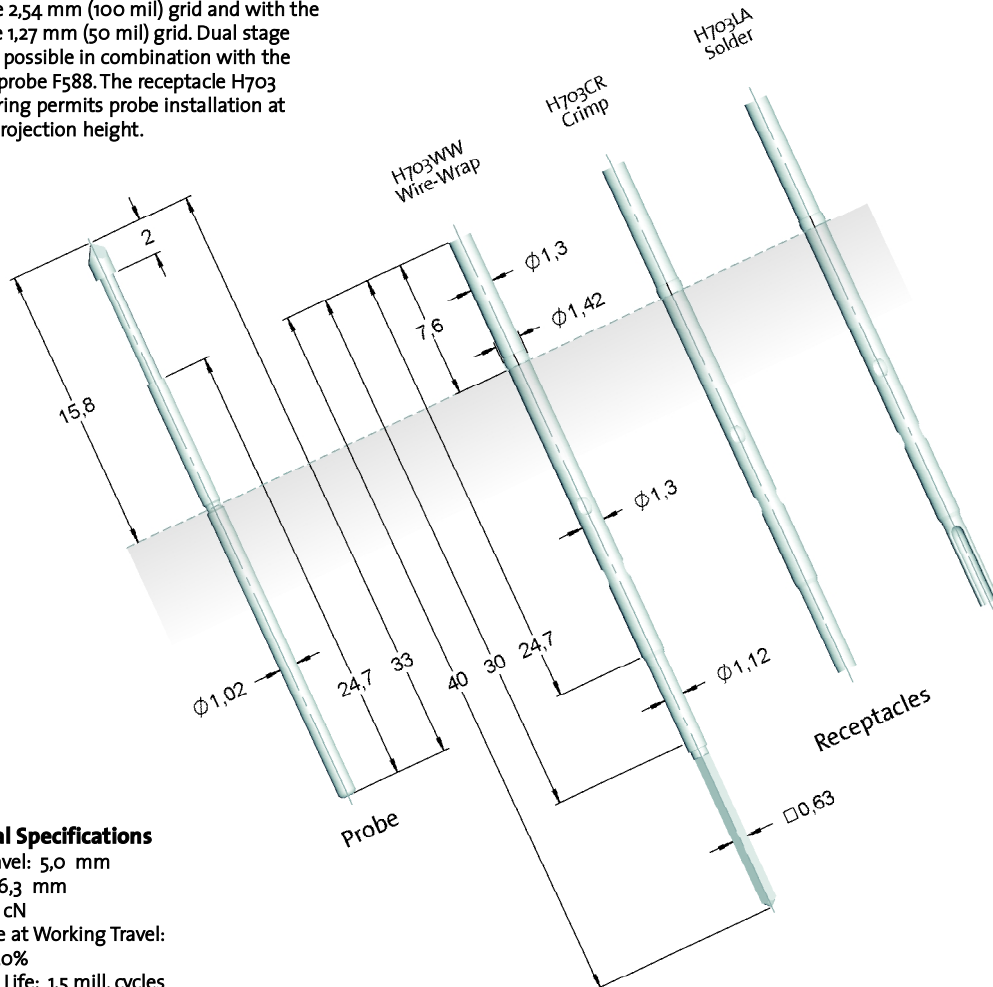
## For In-Circuit- and Functional Test (ICT/FCT)

# F703

The F703 can be combined with the F585 and the F786 for the 2,54 mm (100 mil) grid and with the F788 for the 1,27 mm (50 mil) grid. Dual stage fixtures are possible in combination with the long travel probe F588. The receptacle H703 with press-ring permits probe installation at a variable projection height.

**Centers 1,90 mm/75 mil**

|          | Current | Temperature   |
|----------|---------|---------------|
| Standard | 3,0 A   | -20°...+80° C |



### Mechanical Specifications

Working Travel: 5,0 mm  
Full Travel: 6,3 mm  
Preload: 30 cN  
Spring Force at Working Travel:  
180 cN  $\pm$  20%  
Mechanical Life: 1,5 mill. cycles  
Pointing Accuracy:  $\pm$  0,08 mm

### Electrical Specifications

Constant Current: 3,0 A  
Typical Probe Resistance: 30 mOhm

### Material and Finishes

Plunger: see Tip Style  
Barrel: Nickel Silver, Gold plated  
Spring: Music Wire, Silver plated  
Receptacle: Nickel Silver, Gold plated

### Order Example

| Type                     | Tip Diameter             | Spring Force             |
|--------------------------|--------------------------|--------------------------|
| <b>F703</b>              | <b>06B</b>               | <b>130 G</b>             |
| Tip Style                | Material                 | Plunger Finish           |
| <b>06B</b>               | <b>130</b>               | <b>180 IK</b>            |
| Material:                | Tip Diameter:            | Plunger Finish:          |
| B = BeCu, S = Steel      | 1,3 mm = 130             | G = Gold plated,         |
| Tip Diameter:            | Plunger Finish:          | L = Longtime gold plated |
| 1,3 mm = 130             | G = Gold plated,         |                          |
| Plunger Finish:          | L = Longtime gold plated |                          |
| L = Longtime gold plated |                          |                          |
| Special Version:         | Receptacle:              |                          |
| IK = Insulation Head     | Order Number see drawing |                          |

### Projection Height

| H703WW        | H703CR        | H703LA        |
|---------------|---------------|---------------|
| 8,2 - 15,8 mm | 8,2 - 15,8 mm | 8,2 - 15,8 mm |

### Plunger Tip Style, Material, Finish and Tip Diameter

|                    |                                     |                   |                    |                    |
|--------------------|-------------------------------------|-------------------|--------------------|--------------------|
| <b>06 BeCu; G</b>  | <b>06 BeCu; G (IK)</b>              | <b>11 BeCu; G</b> | <b>15 BeCu; G</b>  | <b>18 BeCu; G</b>  |
|                    |                                     |                   |                    |                    |
| Ø 1,2 mm           | Inside Ø 1,3 mm<br>Outside Ø 1,7 mm | Ø 0,78 mm         | Ø 1,2 mm           | Ø 0,78 mm          |
| <b>21 Steel; L</b> | <b>28 BeCu; G</b>                   | <b>30 BeCu; G</b> | <b>33 Steel; L</b> | <b>36 Steel; L</b> |
|                    |                                     |                   |                    |                    |
| Ø 0,78 mm          | Ø 1,2 mm                            | Ø 0,78 mm         | Ø 0,78 mm          | Ø 1,2 mm           |
| <b>37 BeCu; G</b>  | <b>38 Steel; L</b>                  | <b>64 BeCu; G</b> |                    |                    |
|                    |                                     |                   |                    |                    |
| Ø 0,45 mm          | Ø 0,78 mm                           | Ø 0,46 mm         |                    |                    |