

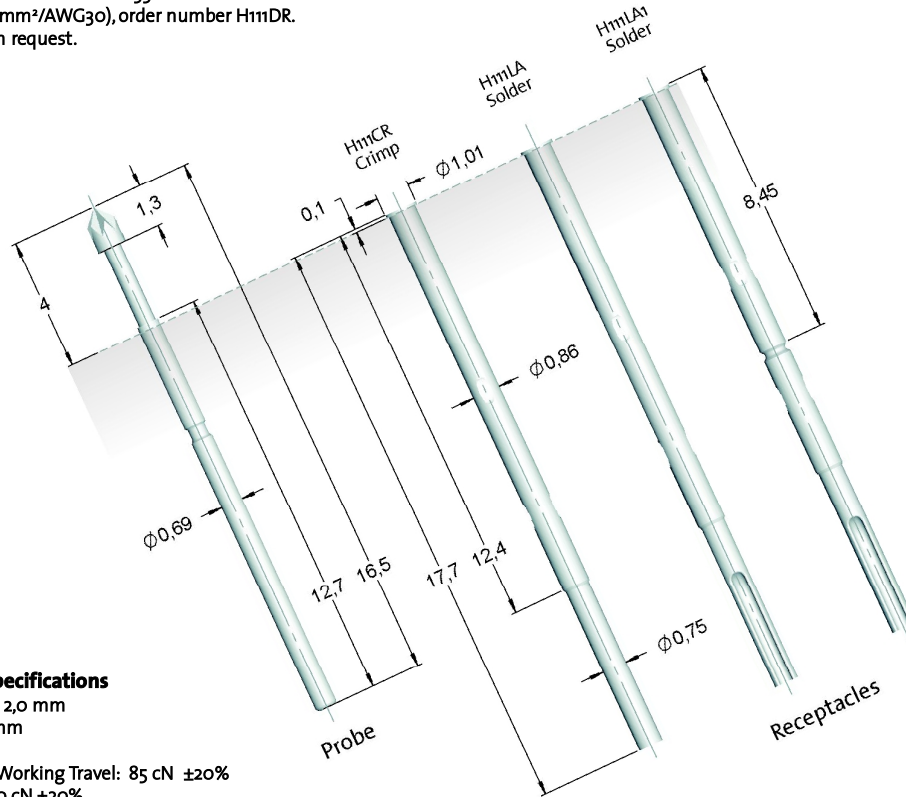
For In-Circuit- and Functional Test (ICT/FCT)

F111

Centers 1,27 mm/50 mil

	Current	Temperature
Standard	1,5 A	-20°... +80° C
H-Version	1,5 A	-40°... +250° C

Especially suited for testing loaded SMT boards. The projection height is identical to the spring contact probes F109 (40 mil). The receptacle is also available with 550 mm preattached stranded wire (0,05 mm²/AWG28), order number H11LI or 550 mm insulated solid wire (0,05 mm²/AWG30), order number H11DR. Delivery time on request.



Mechanical Specifications

Working Travel: 2,0 mm
 Full Travel: 2,5 mm
 Preload: 20 cN
 Spring Force at Working Travel: 85 cN ±20%
 On Request: 40 cN ±20%,
 95 cN ±20% (high temperature)
 Mechanical Life: 1,5 mill. cycles
 Pointing Accuracy: ±0,09 mm

Electrical Specifications

Maximum Continuous Current: 1,5 A
 Typical Probe Resistance: 65 mOhm

Materials and Finishes

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

Projection Height

HmCR	HmLA	HmLA1
4,0 mm	4,0 mm	8,0 mm

Order Example

F111 01S 053 N 095 H

Type: F111
 Tip Diameter: 01S
 Spring Force: 053
 Plunger Finish: N
 Special Version (optional): 095 H

Material: S = Steel
Tip Diameter: 0,53 mm = 053
Plunger Finish: N = Nickel plated,
 L = Longtime gold plated,
 R = Rhodium plated
Special Version: H = High Temperature Probe
Receptacle: Order Number see drawing

Plunger Tip Style, Material, Finish and Tip Diameter

01 Steel; N Ø 0,53 mm	03 Steel; N Ø 0,53 mm	05 Steel; L Ø 0,9 mm	07 Steel; N Ø 0,9 mm	09 Steel; N Ø 0,9 mm
12 Steel; L Ø 0,9 mm	14 Steel; N Ø 0,9 mm	18 Steel; N, R Ø 0,53 mm	21 Steel; N Ø 0,53 mm	