

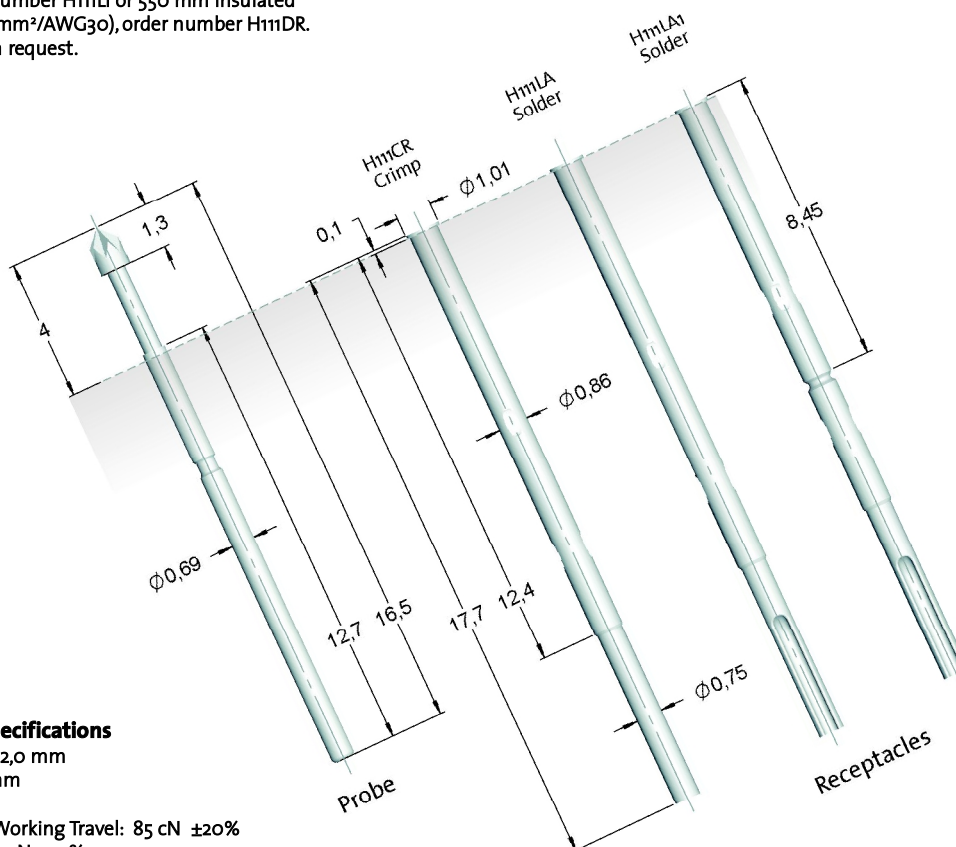
For In-Circuit- and Functional Test (ICT/FCT)

F111

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 H111LI or 550 mm insulated solid wire (0,05 mm²/AWG30), order number H111DR. Delivery time on request.

Centers 1,27 mm/50 mil

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

**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

Hm1CR	Hm1LA	Hm1LA1
4,0 mm	4,0 mm	8,0 mm

Order Example

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