

Switch Probes

F88516B180G1500SM27

Item number 1020105

General

Design	Basic Contact Probe
Type/family	F885-NO
Pitch (mm/mil)	3,50 / 138
Temperature [C°]	-45°C...+100°C
Additional definition	SM27

Electrical specifications

Continuous current (A)	10.00
Typical contact resistance (mOhm)	50.00
Switch travel (mm)	2.70
Continuous current 2 (A)	1.00

Mechanical specifications

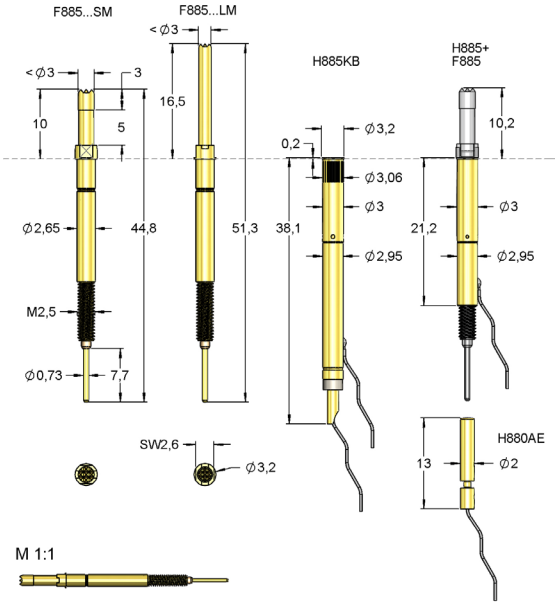
Preload (cN)	600.00
Spring force (cN)	1500.00
Nominal travel (mm)	4.00
Maximum travel (mm)	4.20
Pointing accuracy +/- (mm)	0.08
Thread	M2,5
Tool size (mm)	2,6

Dimensions

Total length (mm)	44.80
Projection height (mm)	10.00
Tip style diameter (mm)	1.80
Barrel diameter (mm)	2.65
Collar diameter (mm)	3.20
Press ring diameter (mm)	3.20

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	16
Tip style material	Beryllium cooper
Tip style plating	Gold
Plunger material	Cooper
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Gold
Spring material	Spring steel
Spring plating	Silver