(8:1)

**Spring Loaded Contacts
With PRECI-DIP Integrated CLIP**

Rigid Sliding Piston

Flexible Contact point

Multi-Finger Elastic Clip

Fixed Body
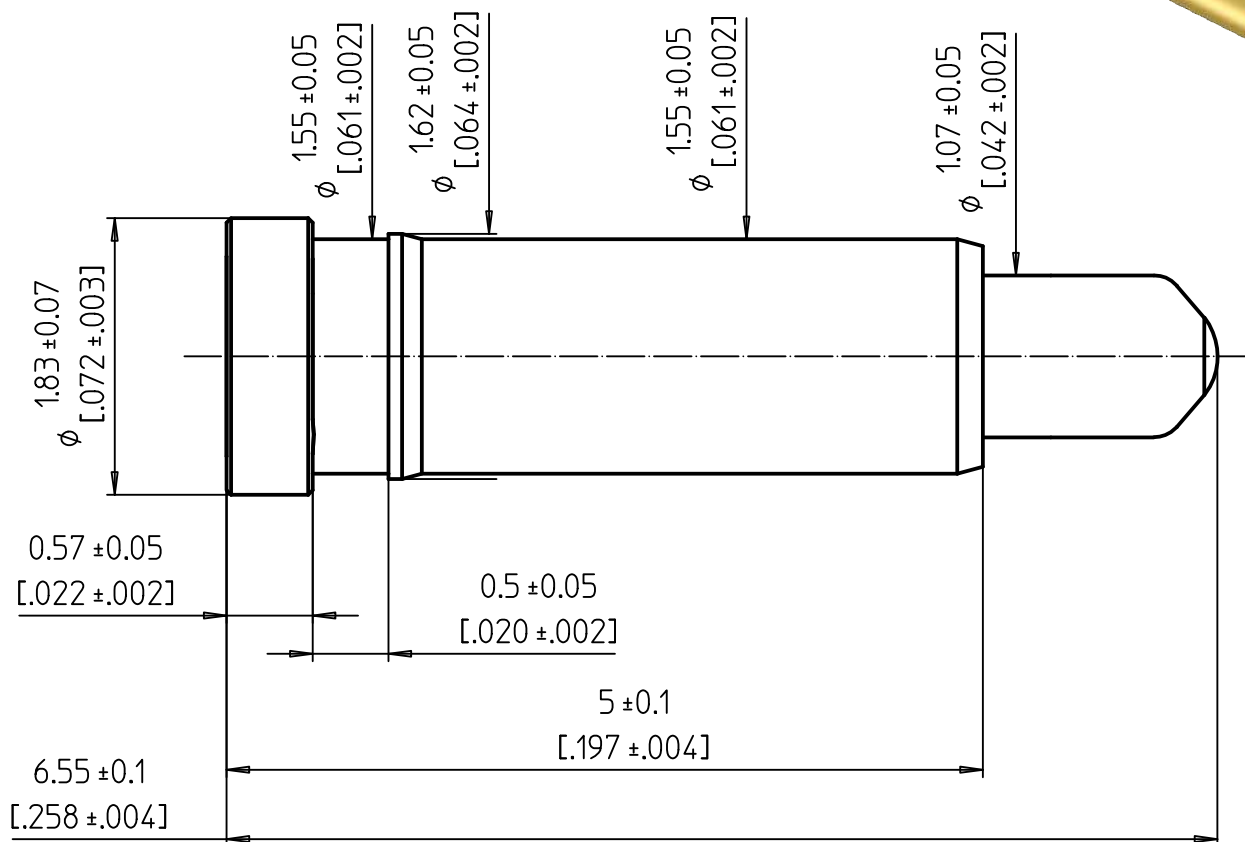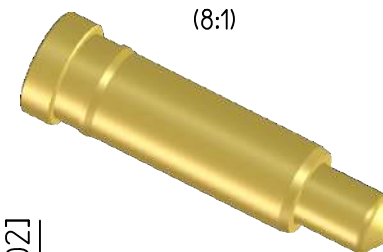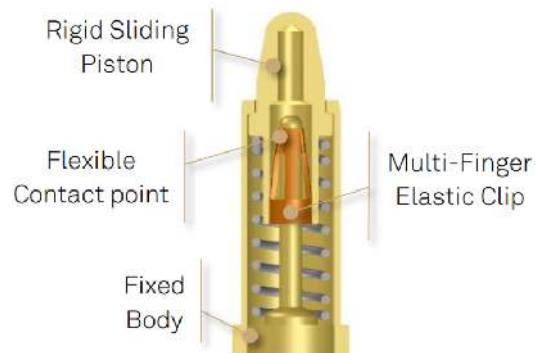
NOTES:

MECHANICAL REQUIREMENTS:
Durability: 20'000 cycles
Working stroke between H1 and H2 : S= 1.20 mm [.047']
Spring forces (F):
Finit= 0.50 N at Hinit= 6.55 mm [.257']
F1= 0.57 N at H1= 6.35 mm [.250']
Fnom= 0.82±0.15 N at Hnom= 5.75 mm [.226']
F2= 1.0 N at H2= 5.15 mm [.202']

Forces are measured in mean value of compression / decompression

ELECTRICAL REQUIREMENTS:
Contact resistance:
R= 30 mOhms max in static mode at Hnom
Current per individual contact in free air at ambient temperature:
ICont= 5 A at Hnom with temperature raise max 30°C

ENVIRONMENTAL REQUIREMENTS:
Operating temperature: -25 °C / +125 °C
Storage temperature: -40 °C / +125 °C
Relative humidity: 5% / 95%

MATERIALS / PLATINGS:
Contact interfaces plated with 0.5 µm [20µ'] gold over Nickel
Spring: Stainless steel
Clip : Beryllium Copper

SOLDERING :

Recommended PCB pad size : 2.0 mm [.078']
Solderability J-STD-002A. Test A 245°C, 5s, solder alloy SnAg3.8Cu0.7
Resistance to soldering heat J-STD-020C, 260°C, 20S

INSULATOR :

If assembling pin into moulding :
Recommended hole size : Ø1.58 [.062']

ø 1.55 ±0.05 [.061 ±.002]
ø 1.62 ±0.05 [.064 ±.002]
ø 1.55 ±0.05 [.061 ±.002]
ø 1.07 ±0.05 [.042 ±.002]

ø 1.83 ±0.07 [.072 ±.003]

0.57 ±0.05 [.022 ±.002]

0.5 ±0.05 [.020 ±.002]

5 ±0.1 [.197 ±.004]

6.55 ±0.1 [.258 ±.004]

	90642-AS // 0907-0-CLIP		
Series 0900-CLIP High Reliability Spring Loaded Contact	Remplacé par:		
	25:1	Dessiné	21.04.2022	C.Bidault
		Contrôlé		
	N° dessin		
preci-dip swiss world connects	0907-0-CLIP		