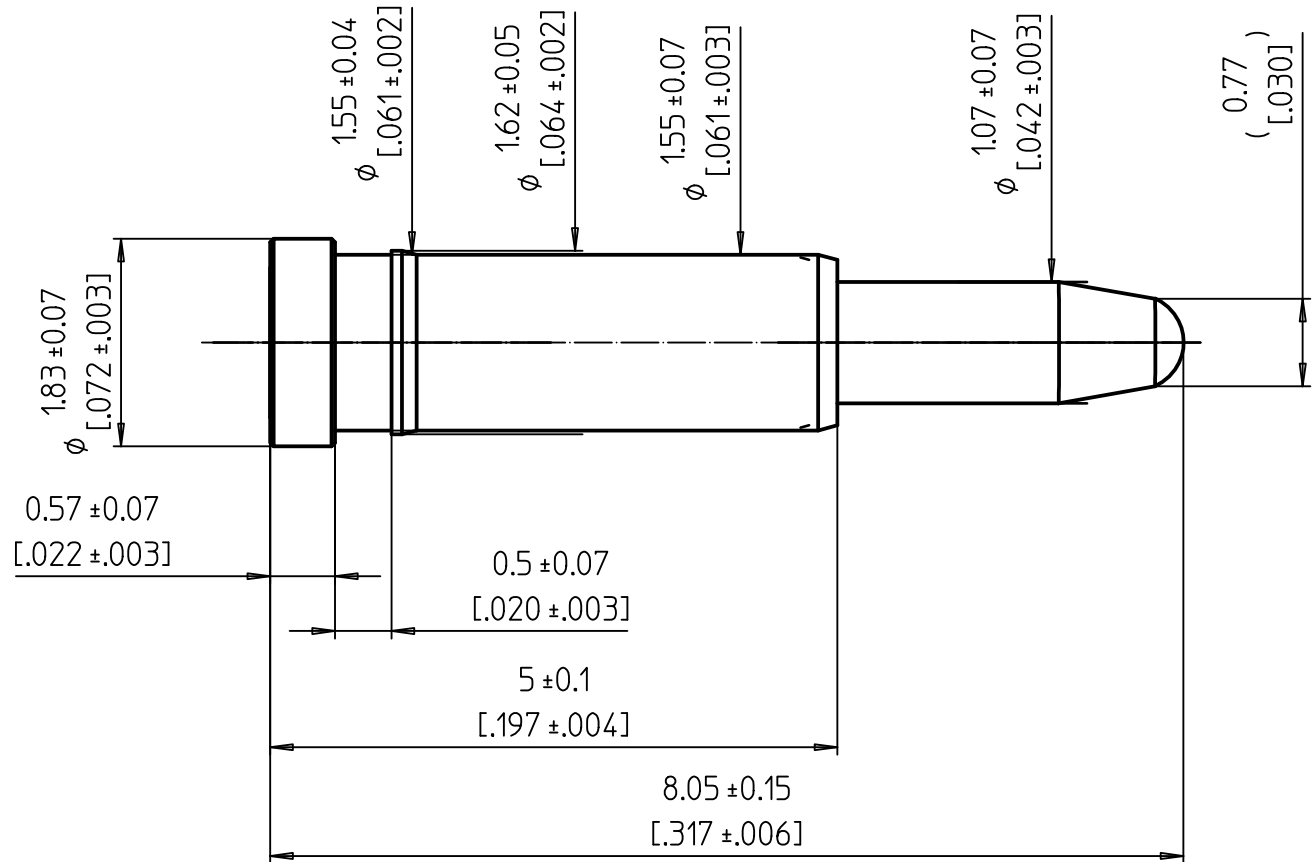
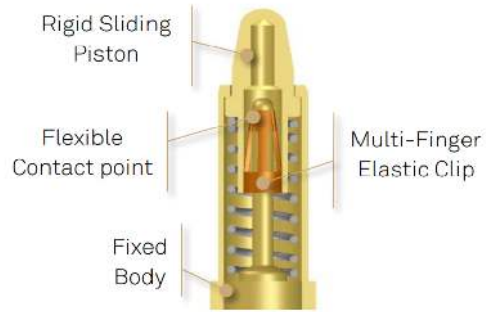


Spring Loaded Contacts
With PRECI-DIP Integrated CLIP



NOTES:

MECHANICAL REQUIREMENTS:

Durability: 20'000 cycles at H_{nom} (nominal height) (To be validated)
Theoretical stroke: S= 1.65 mm

Spring forces (F):

F_{init}= 0.50 N at H_{init}= 8.05 mm *
F₁= 0.57 N at H₁= 7.85 mm *
F_{nom}= 0.82±0.15 N at H_{nom}= 7.15 mm (To be validated)
F₂= 1.0 N at H₂= 6.45 mm*

Recommended working range: between H₁ and H₂

Forces are measured in mean value of compression / decompression

* Theoretical values of spring design

ELECTRICAL REQUIREMENTS:

Contact resistance:

R= 30 mOhms max in static mode at H_{nom}

Current per individual contact in free air at ambient temperature:

I_{Cont}= 5 A at H_{nom} 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']

Series 0900-CLIP
High Reliability
Spring Loaded Contact



preci-dip
swiss world connects



90645-AS // 0907-3-CLIP

Remplacé par:

15:1

Dessiné

10.11.2020

C.Bidault

Contrôlé

N° dessin

Révision

0907-3-CLIP

P1