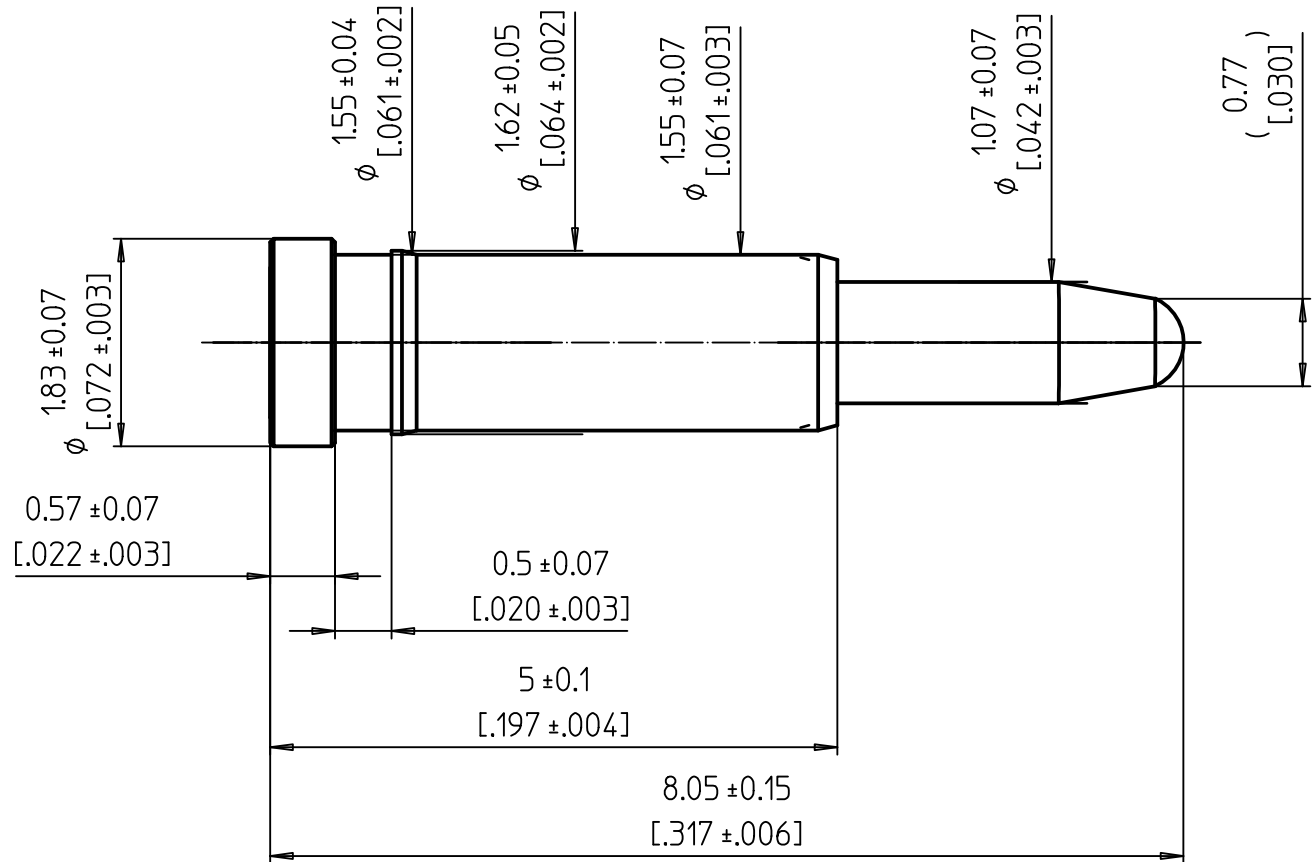
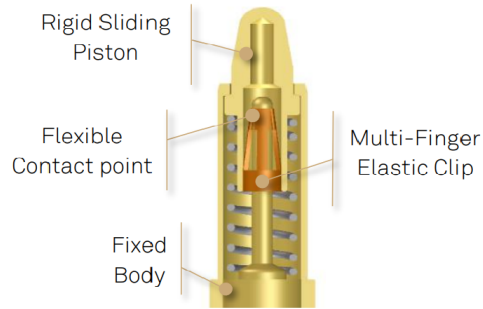


Spring Loaded Contacts
With PRECI-DIP Integrated CLIP



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 *
 $F_1 = 0.57$ N at $H_1 = 7.85$ mm *
 $F_{nom} = 0.82 \pm 0.15$ N at $H_{nom} = 7.15$ mm (To be validated)
 $F_2 = 1.0$ N at $H_2 = 6.45$ mm*

Recommended working range: between H_1 and H_2

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 $0.5 \mu\text{m}$ [$20\mu'$] 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 : $\emptyset 1.58$ [$.062$ "]

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