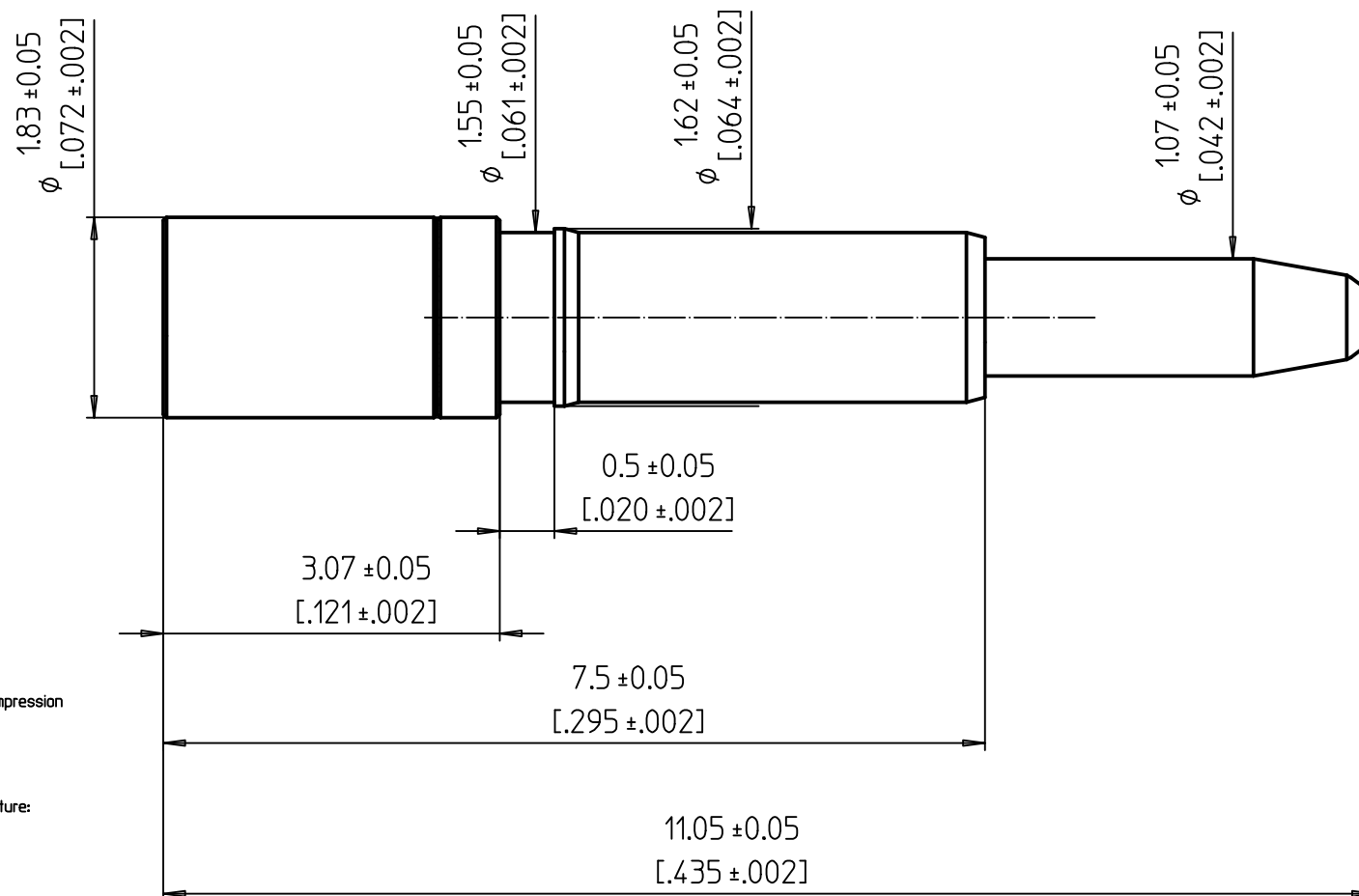
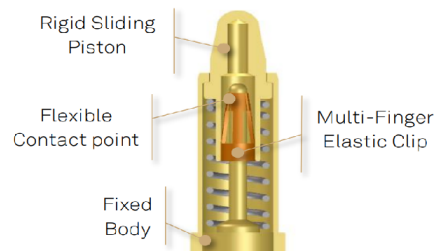


Spring Loaded Contacts With PRECI-DIP Integrated CLIP



NOTES:

MECHANICAL REQUIREMENTS:

Durability: 20'000 cycles at H_{nom}
Theoretical stroke: S= 1.4 mm [0.055']
Spring forces (F):
F_{init}= 0.50 N at H_{init}= 11.05 mm [0.435']
F₁= 0.57 N at H₁= 10.85 mm [0.427']
F_{nom}= 0.75±0.15 N at H_{nom}= 10.15 mm [0.400']
F₂= 1.07 N at H₂= 9.45 mm [0.372']
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 [0.078']
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[0.062']

High Reliability
Spring Loaded Contact



preci-dip
swiss world connect



Remplace:

Remplacé par:

25:1

Dessiné

15.12.2022

C.Bidault

Contrôlé

N° dessin

Révision

0907-9-CLIP