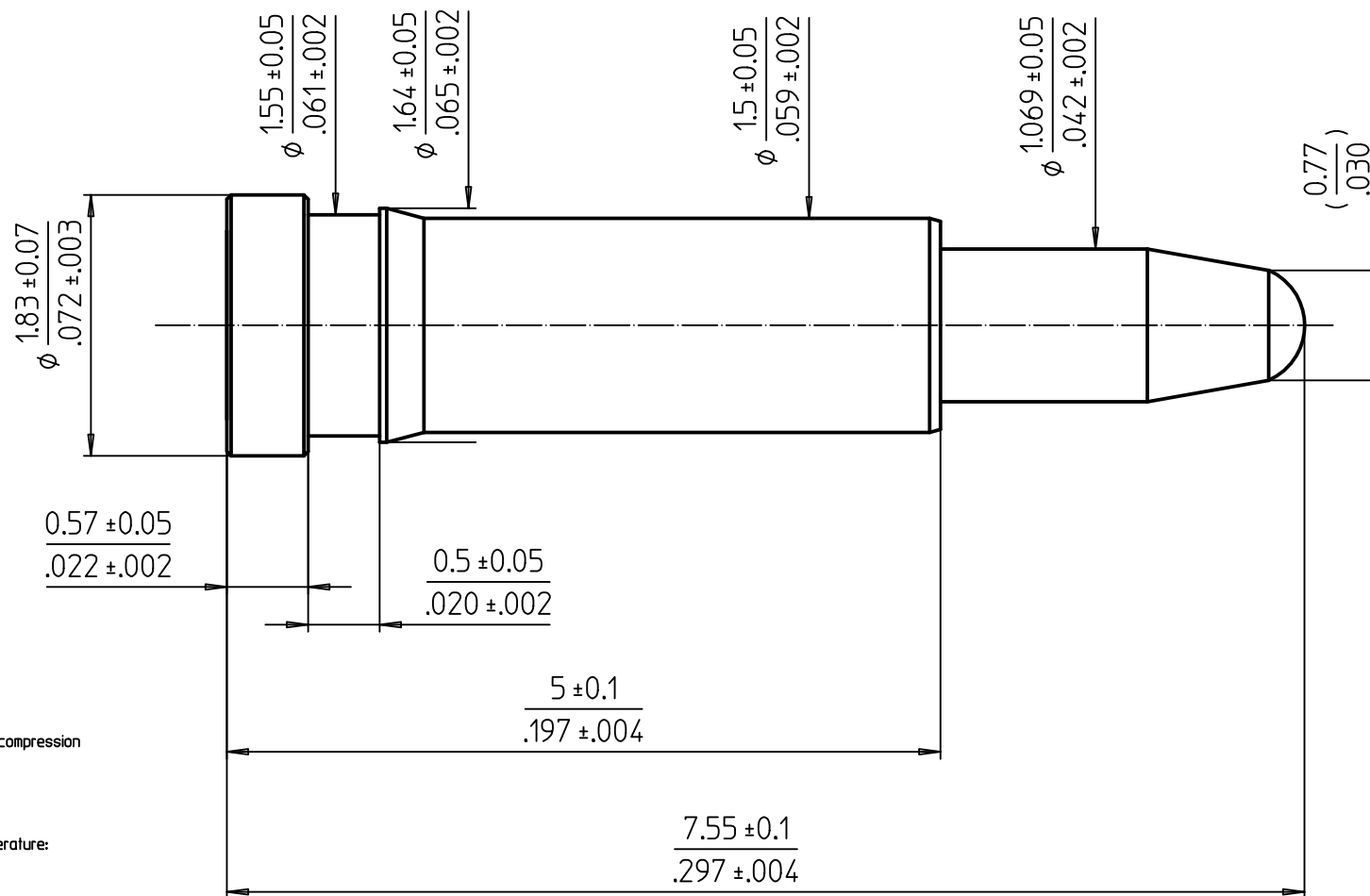
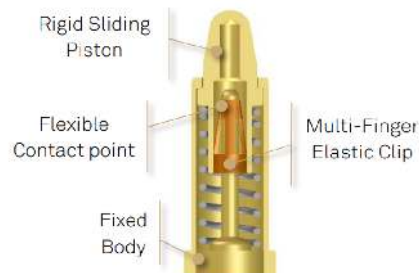


Spring Loaded Contacts  
With PRECI-DIP Integrated CLIP



NOTES:

MECHANICAL REQUIREMENTS:

Durability: 20'000 cycles  
Working stroke between H1 and H2 : S= 1.4 mm [.055]

Spring forces (F):

F<sub>init</sub>= 0.50 N at H<sub>init</sub>= 7.55mm [.297']  
F<sub>1</sub>= 0.57 N at H<sub>1</sub>= 7.35 mm [.289']  
F<sub>nom</sub>= 0.87±0.15 N at H<sub>nom</sub>= 6.65 mm [.236']  
F<sub>2</sub>= 1.0 N at H<sub>2</sub>= 5.95 mm [.234']

Recommended working range: between H1 and H2

Forces are measured in mean value of compression / decompression

ELECTRICAL REQUIREMENTS:

Contact resistance:

R= 30 mOhms max in static mode at H<sub>nom</sub>  
Current per individual contact in free air at ambient temperature:  
I<sub>Cont</sub>= 5 A at H<sub>nom</sub> 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



90644-AS // 0907-2-CLIP

Remplacé par:

25:1

Dessiné

07.02.2022

C.Bidault

Contrôlé

N° dessin

Révision

0907-2-CLIP

P1