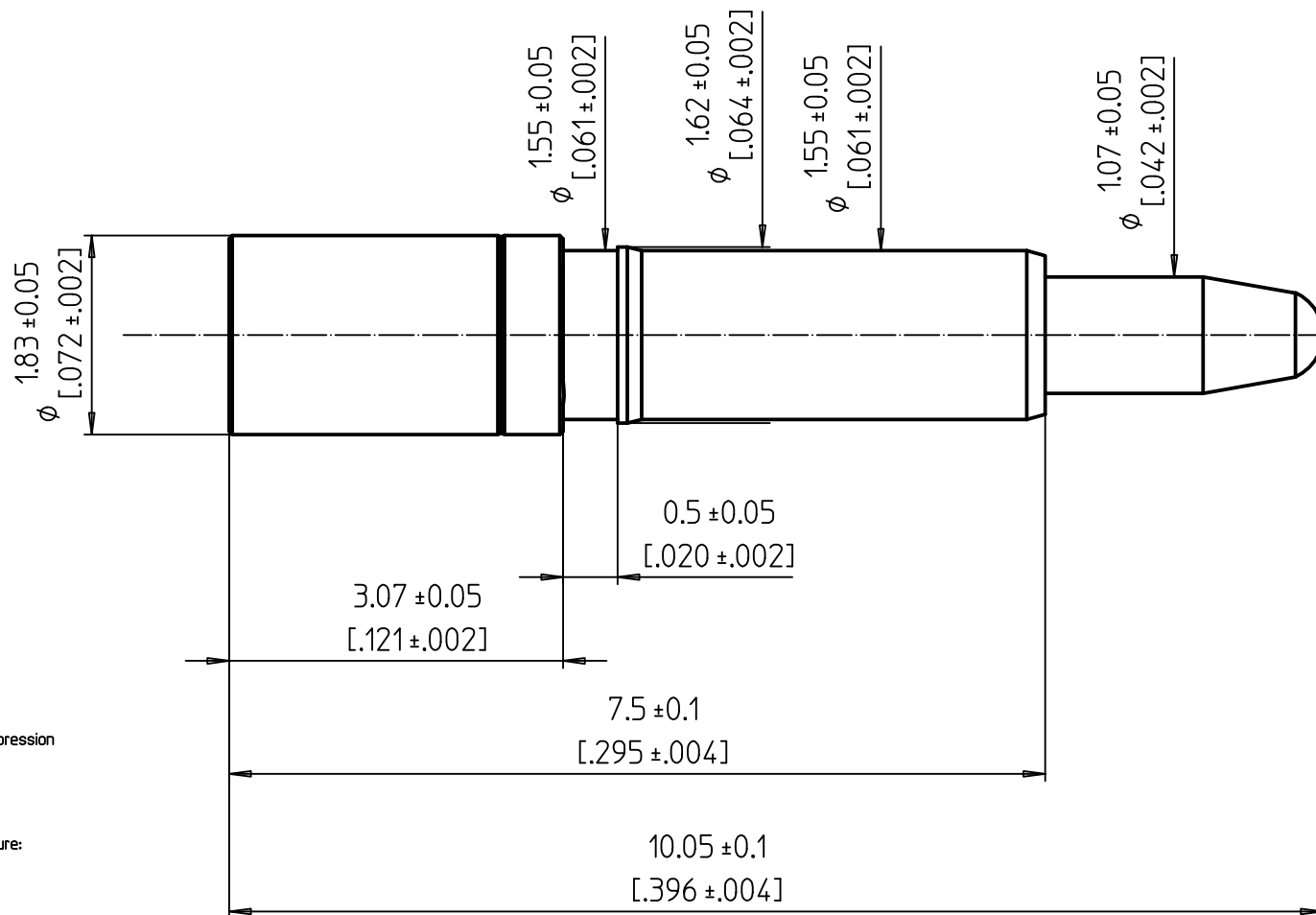
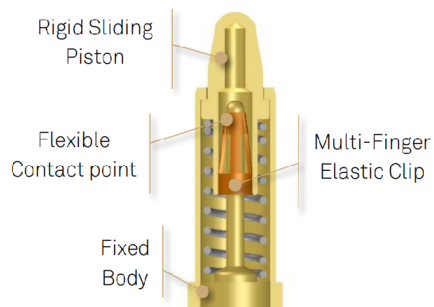


Spring Loaded Contacts
With PRECI-DIP Integrated CLIP



NOTES:

MECHANICAL REQUIREMENTS:

Durability: 20'000 cycles at Hnom
Working stroke between H1 and H2 : 1.4 mm [055']
Spring forces (F):

Finit= 0.50 N at Hinit= 10.05 mm [395']

F1= 0.57 N at H1= 9.85 mm [387']

Fnom= 0.82±0.15 N at Hnom= 9.15 mm [360']

F2= 1.0 N at H2= 8.45 mm [332']

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 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']

High Reliability
Spring Loaded Contact



25:1

Remplace:

Remplacé par:

Dessiné

15.12.2022

C.Bidault

Contrôlé

N° dessin

Révision

0907-7-CLIP