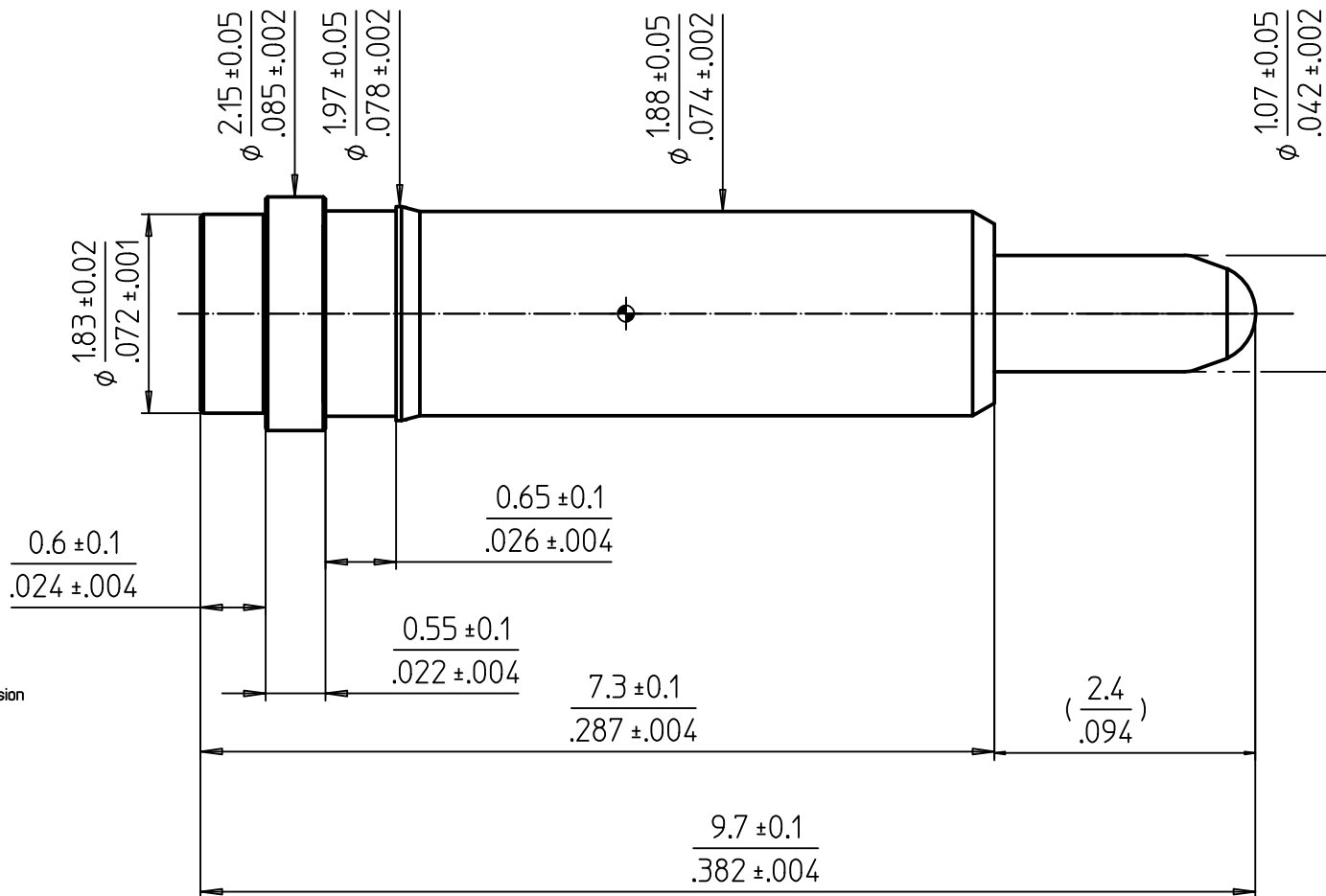
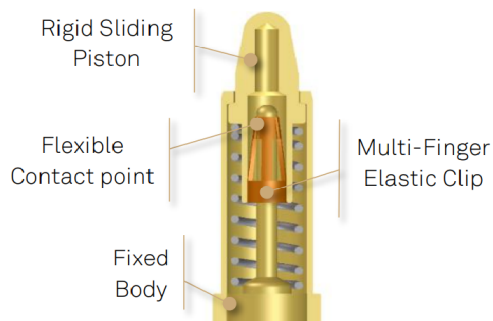


Spring Loaded Contacts With PRECI-DIP Integrated CLIP



Notes:

MECHANICAL REQUIREMENTS:

Durability : 20'000 cycles at Hnom
Theoretical stroke: S= 2.25 mm [.088"]

Spring forces (F):

Finit= 0.6 N *

F1= 0.72 N at H1= 9.45 mm [.37"]

Fnom= 1.22 ± 0.30 N at Hnom= 8.45 mm [.33"]

F2= 1.72 N at H2= 7.45 mm [.29"]

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

MATERIALS / PLATINGS:

Contact interfaces plated with 0.5 µm [20µ"] gold over Nickel

Piston : Brass plated with 0.125µm gold

Spring : Stainless steel

Clip : Beryllium Copper

SOLDERING :

Recommended PCB pad size : 2mm

Solderability J-STD-002A, Test A, 245 °C, 5 s, solder alloy SnAg3.8Cu0.7

Resistance to soldering heat J-STD-020C, 260 °C, 20 s

INSULATOR :

If assembling pin into moulding :

Recommended hole size : Ø1.90 mm [.074"]

High Reliability
Spring Loaded Contact



Remplace:

Remplacé par:

15:1

Dessiné

09.12.2022

C.Bidault

Contrôlé

N° dessin

Révision

90679-AS

P1