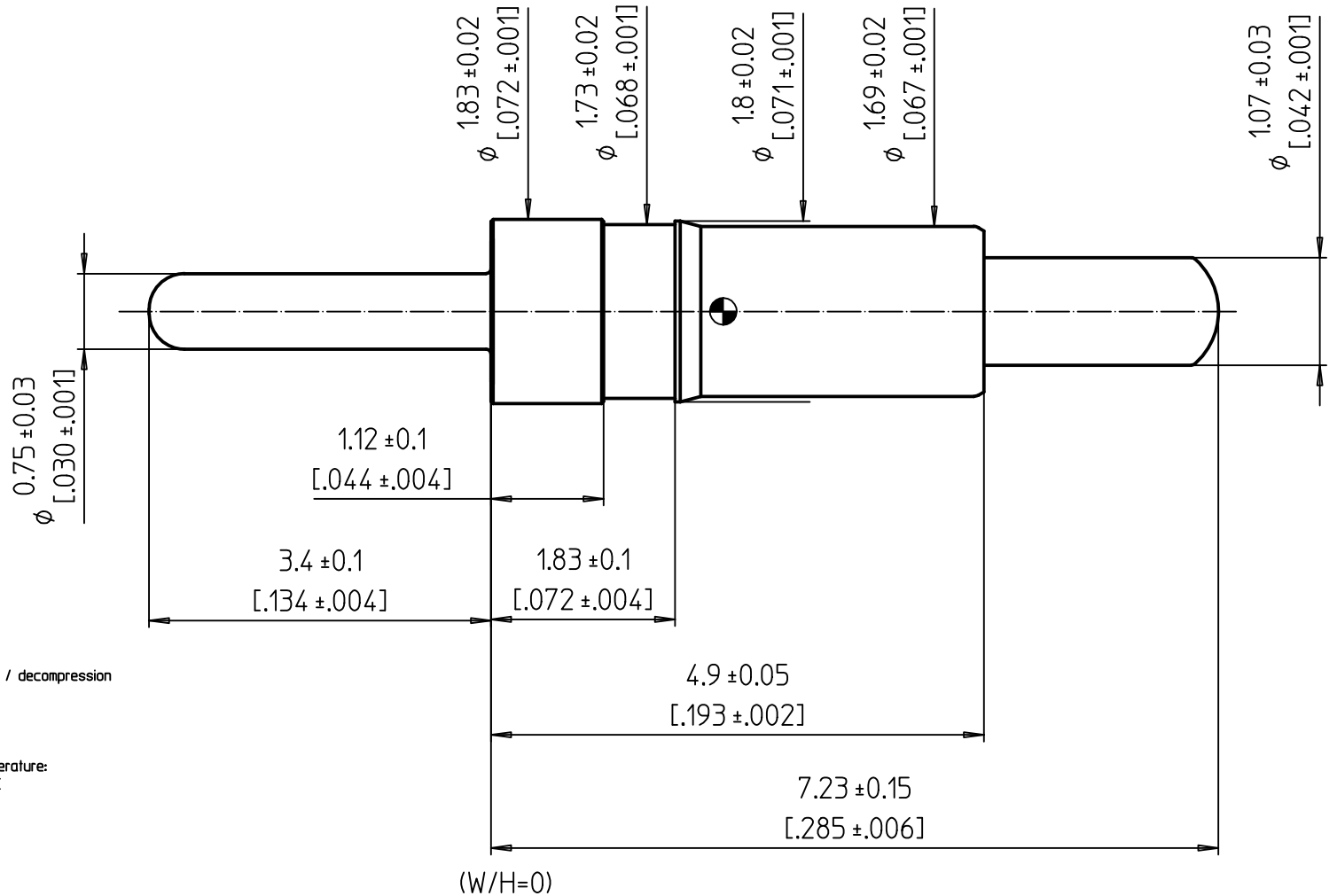
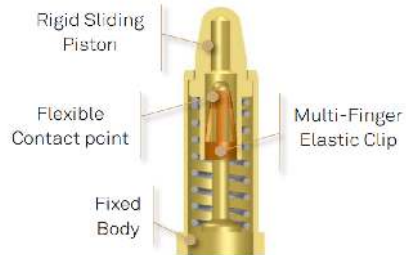


Spring Loaded Contacts
With PRECI-DIP Integrated CLIP



NOTES:

MECHANICAL REQUIREMENTS:

Durability: 20'000 cycles at Hnom
Theoretical stroke: S= 1.90 mm
Spring forces (F):
Finit= 0.49 N
F1= 0.65 N at H1= 7.10 mm
Fnom= 1.27±0.37 N at Hnom= 6.30 mm
F2= 1.97 N at H2= 5.40 mm
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 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 [0.78']
Recommended Mounting Hole 0.87 mm [0.34']
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 : Ø1.69 mm [0.66']

High Reliability
Spring Loaded Contact



20:1

Remplace:

Remplacé par:

Dessiné

15.12.2022

C.Bidault

Contrôlé

N° dessin

Révision

90691-AS