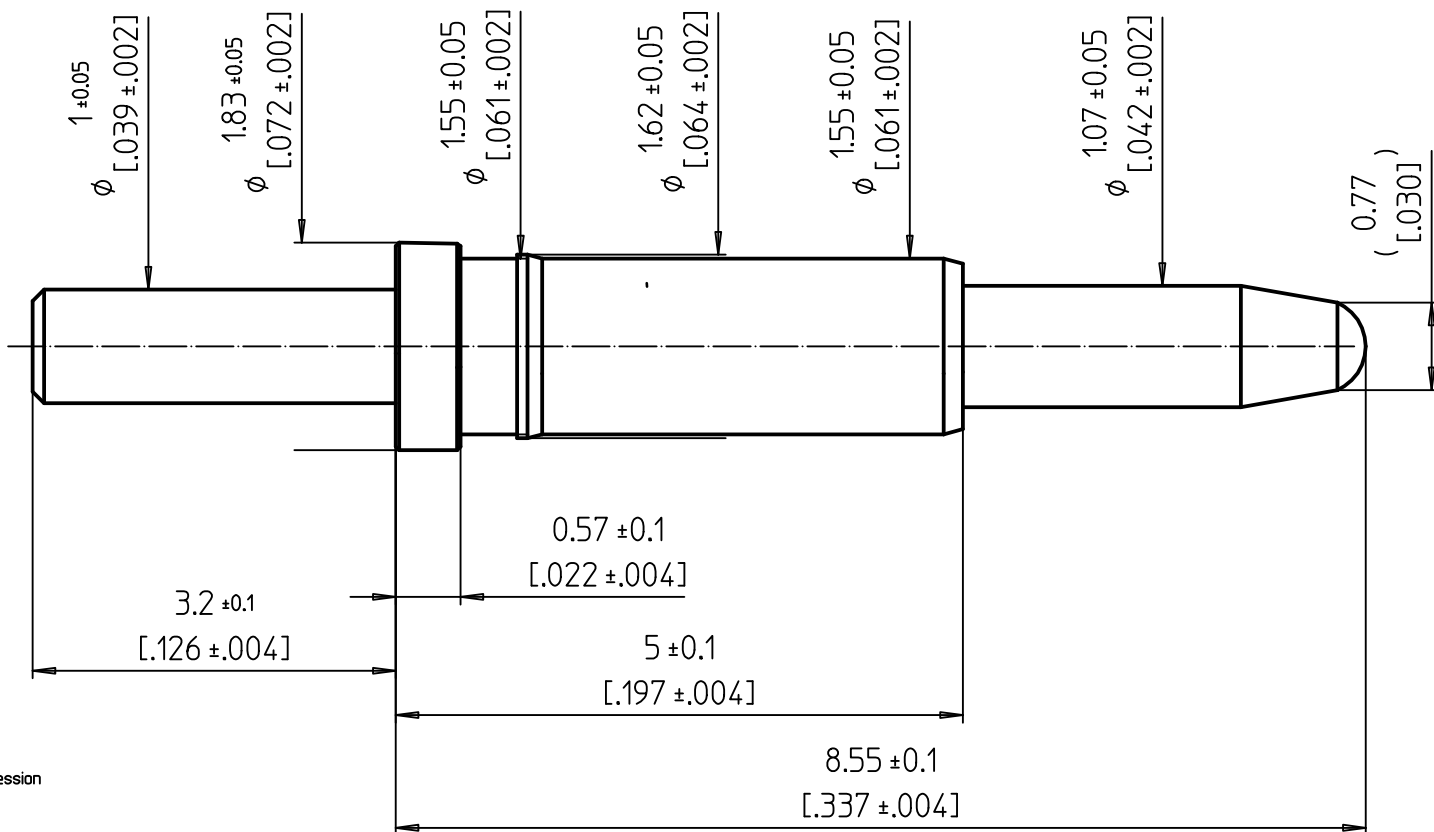
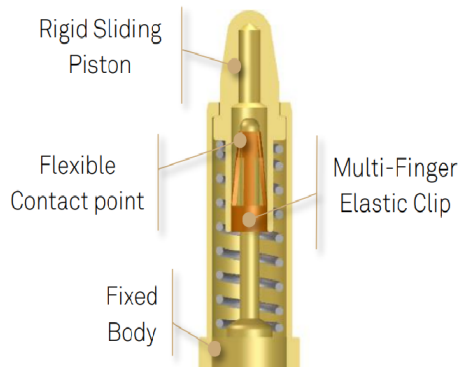


Spring Loaded Contacts
With PRECI-DIP Integrated CLIP



NOTES:

MECHANICAL REQUIREMENTS:

Durability: 20'000 cycles at Hnom
Theoretical stroke: S= 1.65 mm [.065']
Spring forces (F):
Finit= 0.5 N at Hinit= 8.55 mm [.336']
F1= 0.57 N at H1= 8.3 mm [.326']
Fnom= 0.87±0.15 N at Hnom= 7.65 mm [.301']
F2= 1.0 N at H2= 6.95 mm [.273']
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 [.078']
Recommended Mounting Hole 1.2 mm [.047']
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 mm [.062']

High Reliability
Spring Loaded Contact



preci-dip
swiss world connect



Remplace:

Remplacé par:

20:1

Dessiné

14.12.2022

C.Bidault

Contrôlé

N° dessin

Révision

90740-AS

P1