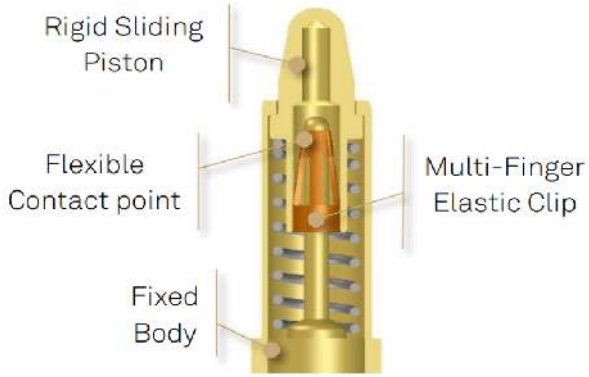
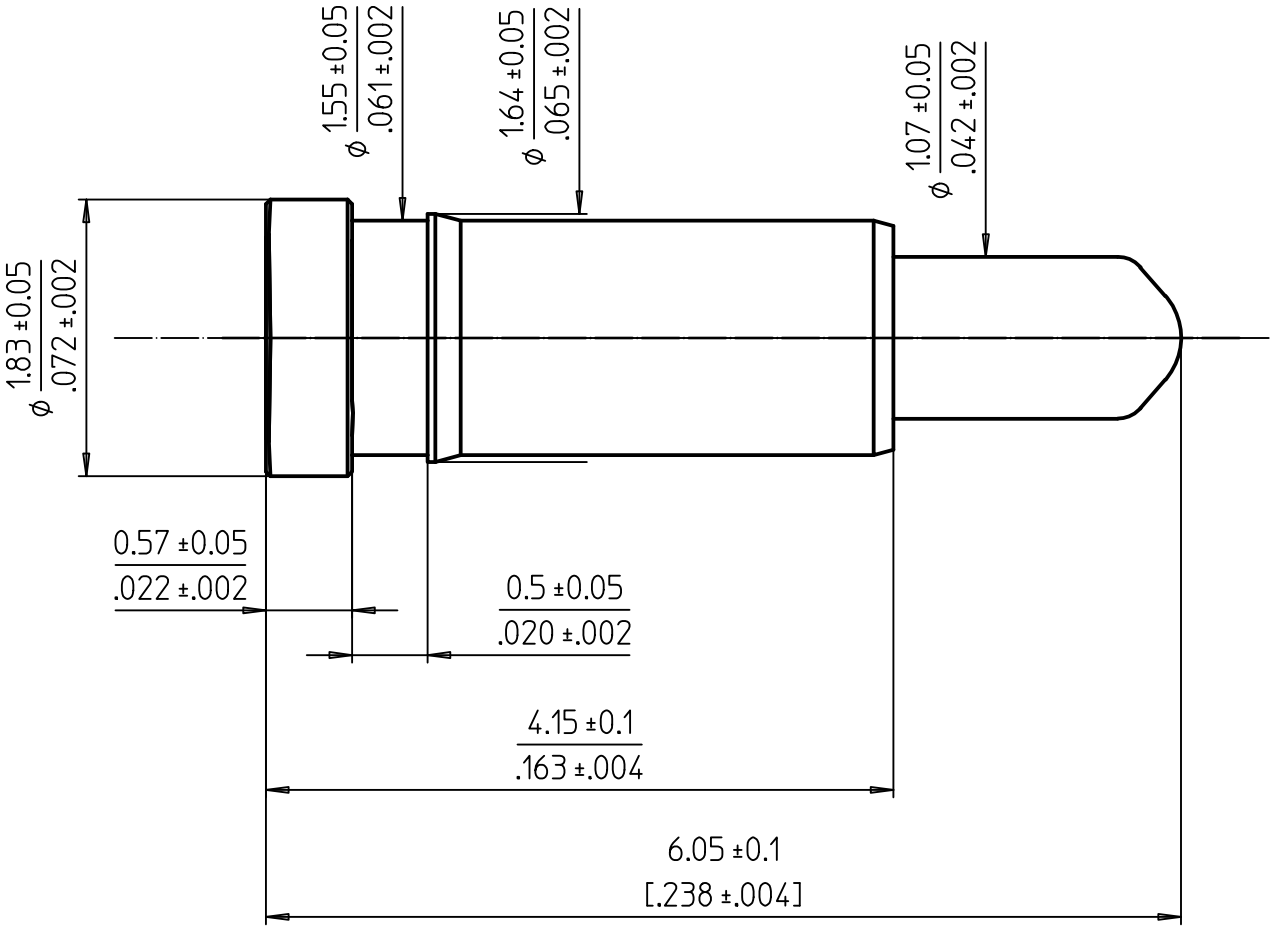
Spring Loaded Contacts
With PRECI-DIP Integrated CLIP





NOTES:

MECHANICAL REQUIREMENTS:
- Durability: 20'000 cycles at Hnom
- Working stroke between H1 and H2 : S=1.20 mm [.047']
- Spring forces (F):
  - Finit= 0.50N at Hinit= 6.05 mm [.238']
  - F1= 0.57N at H1= 5.80 mm [.228']
  - Fnom= 0.82N at Hnom= 5.2 mm [.204']
  - F2= 1.0N at H2= 4.60 mm [.181']
  - 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 :

Recommanded 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 mouliding :
Recommanded hole size : Ø1.58[.062']

Series 0900-CLIP High Reliability Spring Loaded Contact	90641-AS // 0900-4-CLIP		
	Remplacé par: ·		
·	Dessiné	C.BIDAULT	13.12.2021
	Contrôlé		
preci-dip swiss world connect	N° dessin		Révision
	0900-4-CLIP		P2