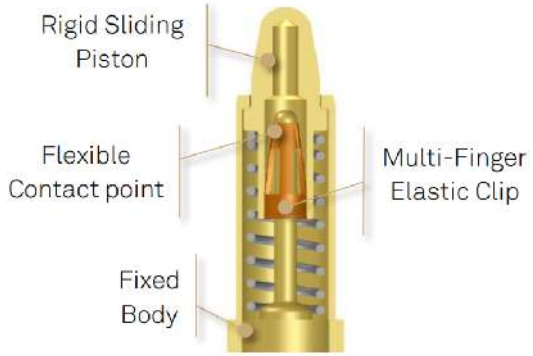
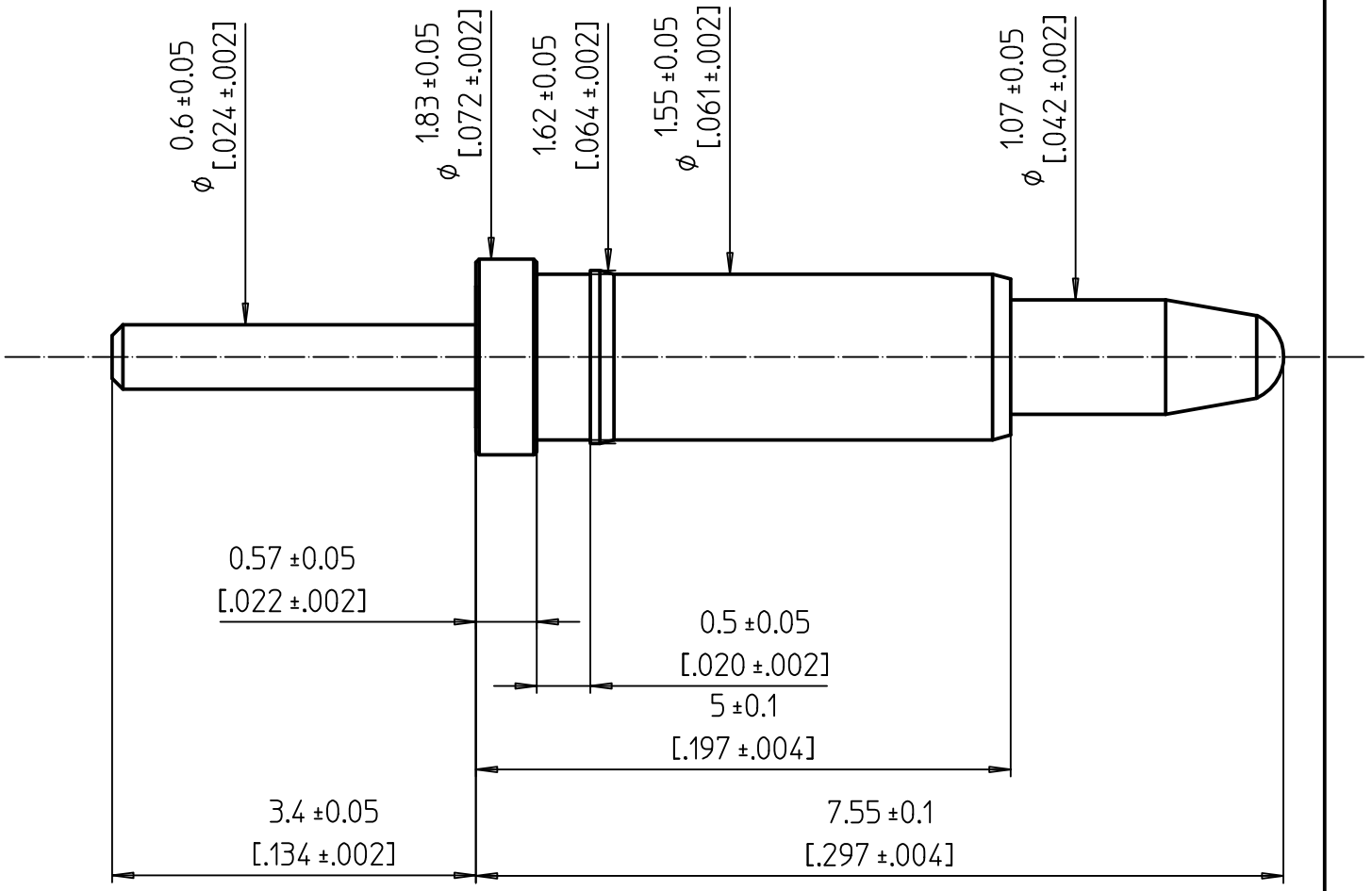
Spring Loaded Contacts
With PRECI-DIP Integrated CLIP





NOTES:

MECHANICAL REQUIREMENTS:
- Durability: 20'000 cycles
- Working stroke between H1 and H2 : S= 1.20 mm [.047']
- Spring forces (F):
  - Finit= 0.50 N at Hinit= 6.55 mm [.257']
  - F1= 0.57 N at H1= 6.35 mm [.250']
  - Fnom= 0.82±0.15 N at Hnom= 5.75 mm [.226']
  - F2= 1.0 N at H2= 5.15 mm [.202']

  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']
- Recommanded Mouting Hole : 0.70 mm [.027']
- 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 :
Recommanded hole size : Ø1.58 [.062']

High Reliability
Spring Loaded Conntact

25:1	Remplace:		
	Remplacé par:		
	Dessiné	15.12.2022	C.Bidault
	Contrôlé		

preci-dip
swiss world connects

N° dessin
90773-AS