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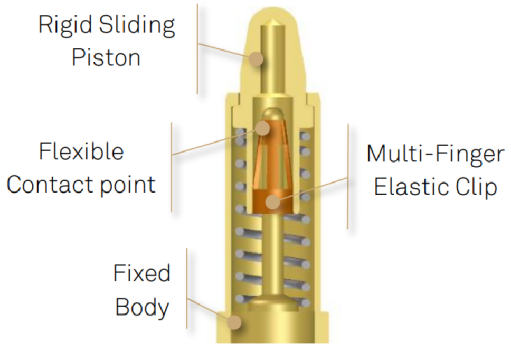
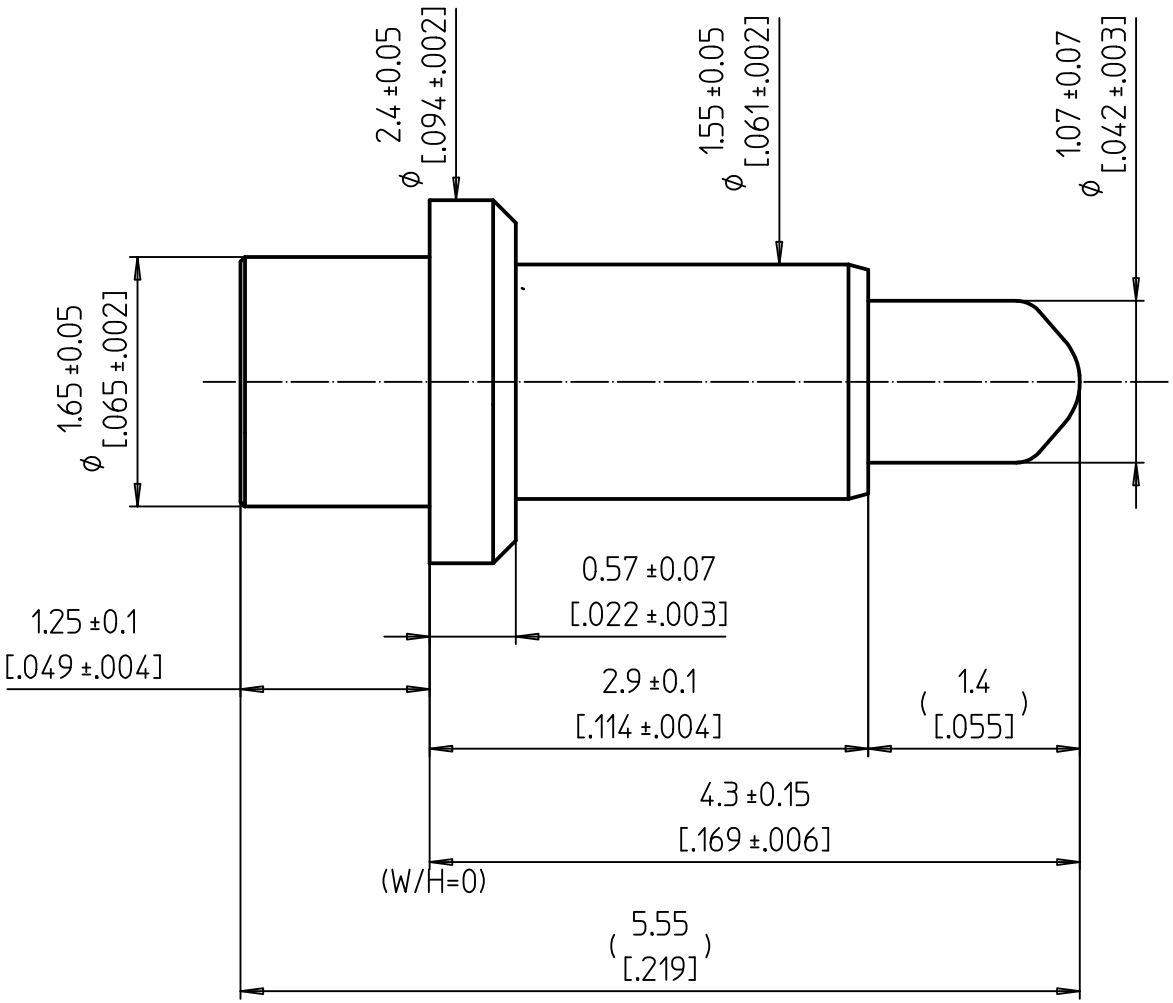
Spring Loaded Contacts
With PRECI-DIP Integrated CLIP





NOTES:

MECHANICAL REQUIREMENTS:
- Durability: 20'000 cycles at Hnom (nominal height)
- Theoretical stroke: S= 0.91 mm [.035']
- Spring forces (F):
  - Finit= 0.5 N *
  - F1= 0.60 N at H1= 4.15 mm [.163']
  - Fnom= 0.95±0.28 N at Hnom= 3.60 mm [.142']
  - F2= 1.30 N at H2= 3.05 mm [.120']
  - 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 : 2.60 mm [.102']
- Recommanded Mouting Hole 1,78 mm [.07']
- PCB Hole and Pad size recommandation may vary regarding your process
- Solderability J-STD-002A. Test A 245°C, 5s, solder alloy SnAg3.8Cu0.7
- Resistance to soldering heat J-STD-020C, 260°C, 20S

High Reliability Spring Loaded Contact		Remplace:		
		Remplacé par:		
	20:1	Dessiné	15.12.2022	C.Bidault
		Contrôlé		
preci-dip swiss world connect		N° dessin		Révision
		90708-AS		