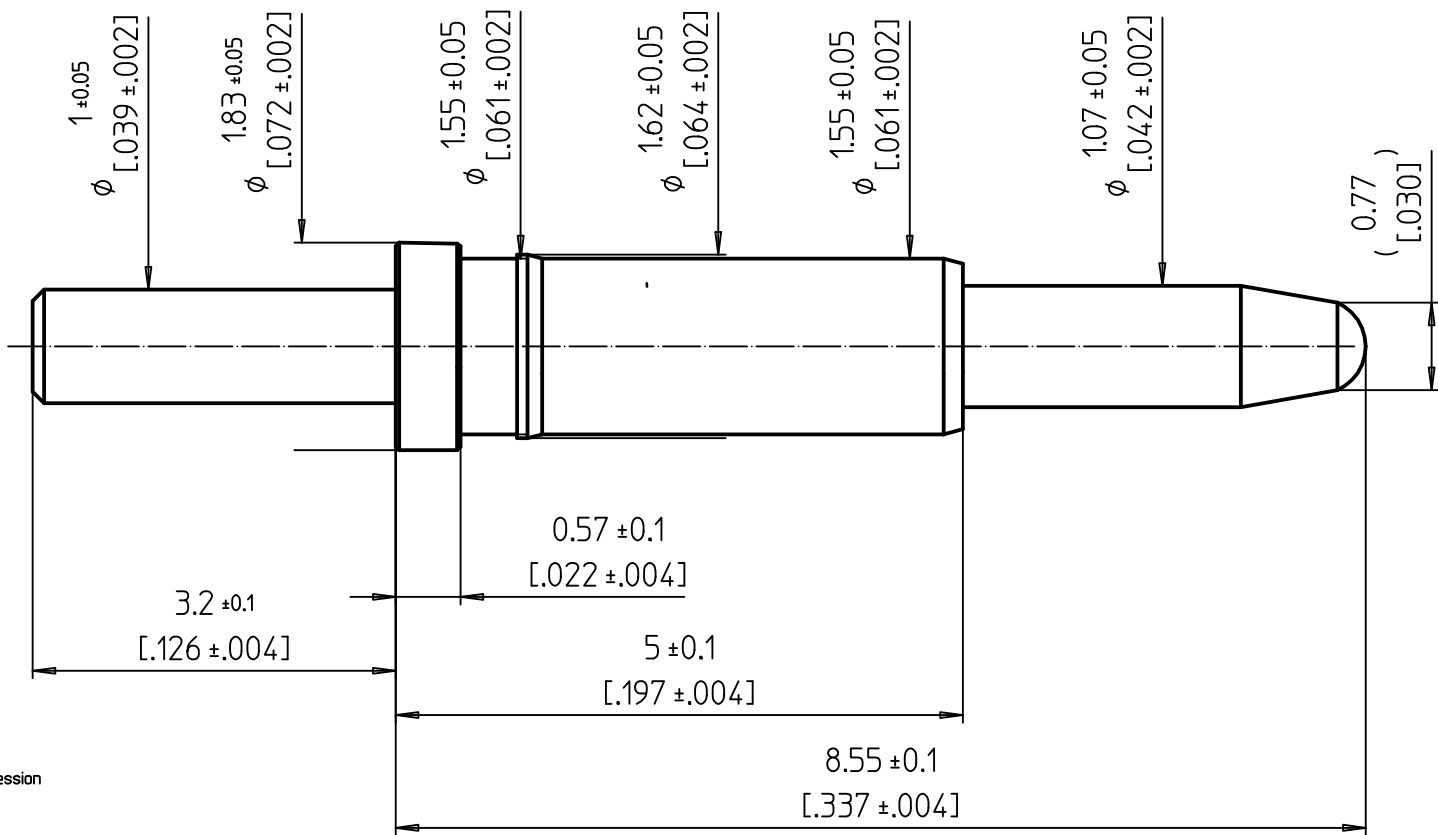
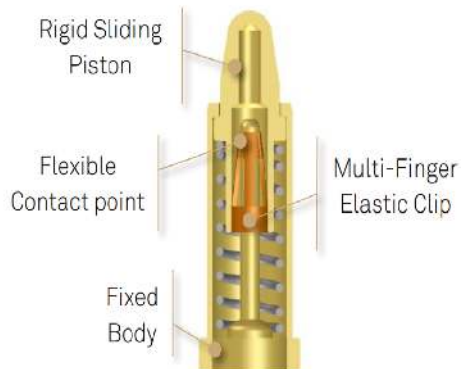


Spring Loaded Contacts  
With PRECI-DIP Integrated CLIP



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



20:1	Remplace:		
	Remplacé par:		
	Dessiné	14.12.2022	C.Bidault
	Contrôlé		
N° dessin		Révision	
90740-AS		P1	