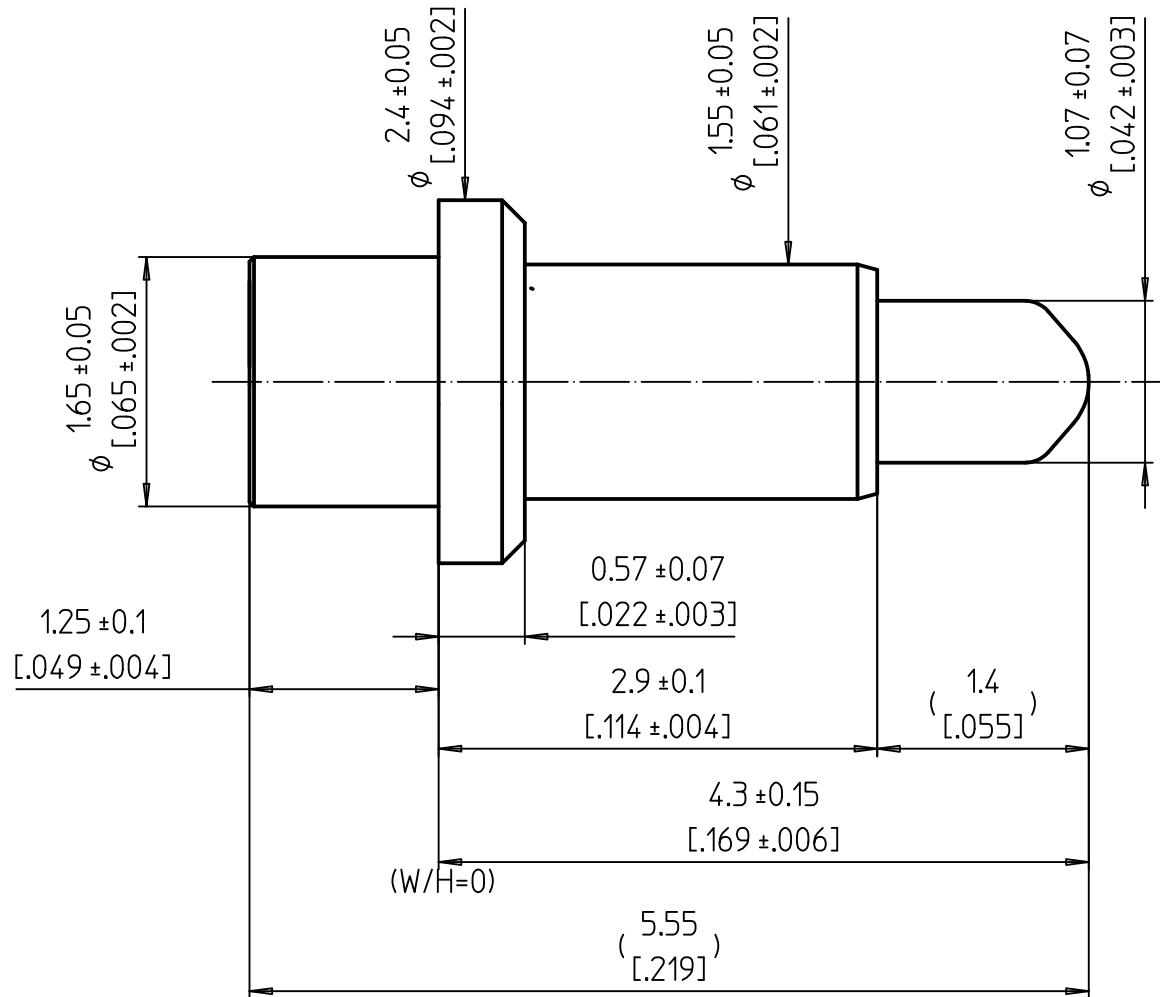
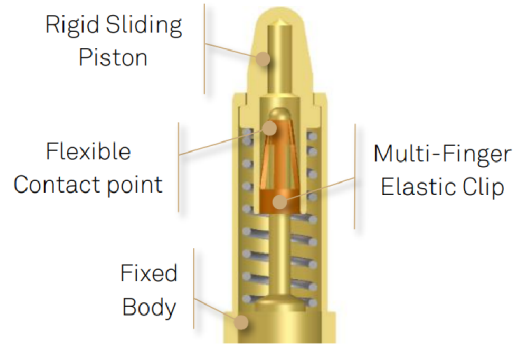


Spring Loaded Contacts
With PRECI-DIP Integrated CLIP



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 :

Recommended PCB pad size : 2.60 mm [.102"]

Recommended Mounting Hole 1.78 mm [.07"]

PCB Hole and Pad size recommendation 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



preci-dip
swiss world connect



Remplace:

Remplacé par:

20:1

Dessiné

15.12.2022

C.Bidault

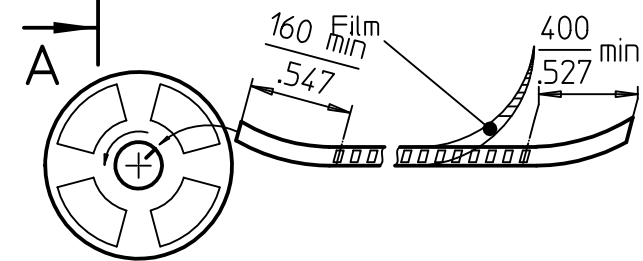
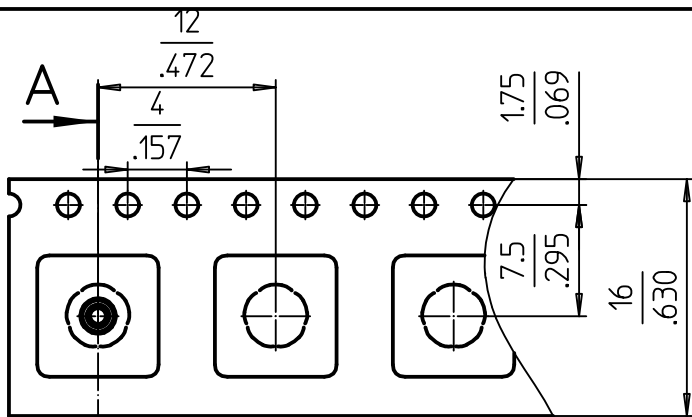
Contrôlé

N° dessin

Révision

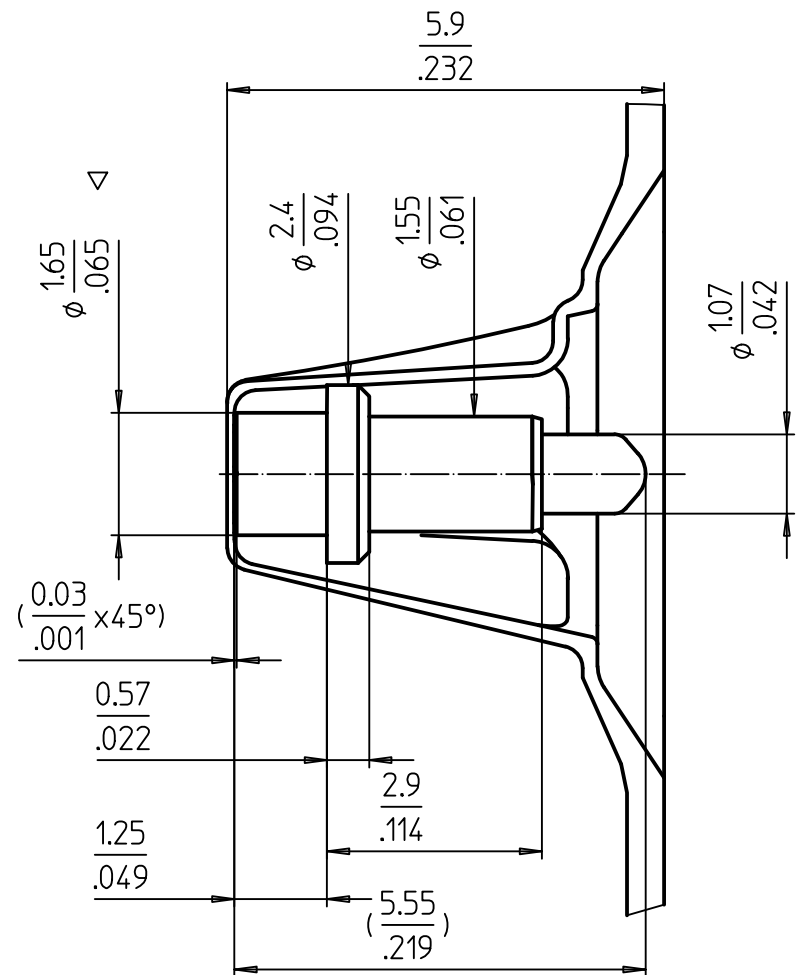
90708-AS

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This drawing contains proprietary and confidential information.



Packaging details :

- Reel diameter 330 mm
- Tape length 12.50 m
- Quantity per reel 950 pcs



NOTES:

MECHANICAL REQUIREMENTS:

- Durability: 20'000 cycles at Hnom
- Theoretical stroke: S= 1.25 mm
- Spring forces (F):
 - Finit= 0.50 N *
 - F1= 0.60 N at H1= 4.15 mm *
 - Fnom= 0.95±0.28 N at Hnom= 3.60 mm
 - F2= 1.30 N at H2= 3.05 mm *
- Recommended working range: between H1 and H2
- Forces are measured in mean value of compression / decompression
- * Theoretical values of spring design

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: -40 °C / +125 °C

MATERIALS / PLATINGS:

- Barrel: CuZn36Pb3 - min 0.125 µm Au / 2.5 µm Ni
- Piston: CuZn36Pb3 - 0.5 µm Au / 2.5 µm Ni
- Clip: BeCu C17200 - 0.5 µm Au / 2.5 µm Ni
- Rod: CuSn4Pb4Zn4 - 0.5 µm Au / 2.5 µm Ni
- Spring: Stainless steel

Spring Loaded Contact



preci-dip
swiss world connect



Remplace:

Remplacé par:

2:1

Dessiné

03.07.2024

C.Bidault

Contrôlé

N° dessin

Révision

90708-AS-02