



Technical drawing of a 10-pin D-subminiature connector. The drawing includes a side view, a top view, and a detail view of the pin. Dimensions are given in inches.

Side View Dimensions:

- Total length: .150
- Housing length: .101
- Pin diameter: .045 DIA.
- Housing diameter: .035 DIA.
- Pin length: .110
- Pin diameter: .015-.025
- Pin slot: .010 x .018
- Pin length: .195
- Pin diameter: .173
- Pin length: .175

Top View Dimensions:

- Housing diameter: .035 DIA.
- Pin slot: .018 SLOTT

Detail View Dimensions:

- Pin diameter: .015-.025
- Pin slot: .010 x .018

Pin Configuration:

- Number of Pins X .100"
- .100 (TYP)
- .100

3D Model:

The 3D model shows the connector from a perspective view, highlighting the housing and the pins. The housing is black and the pins are silver. The model is shown in two orientations, one with the pins pointing up and one with the pins pointing down.

General Info	
Description ¹ :	Compliant Tail Press Fit Socket Accepts .015"-.025" (0,381-0,635mm) dia leads
Type:	Interconnect
Category:	Machined Pin Socket
Mounting Style:	Press-Fit Into a Plated Through Hole
Tail Type:	Compliant Tail
# Pins:	18
Packaging ² :	Packaged in Box or Tube
Rows:	Single Row
ECCN:	Contact Factory
HTSUS:	8536.90.4040
Product Lifecycle:	Active
Country Of Origin:	USA

346-99-118-41-013000- SPECIFICATIONS

Environmental Specs	
Temperature Range ³ :	-55/+125° C
Moisture Sensitivity Level (MSL):	1 (Unlimited)
REACH Status:	REACH Unaffected

Materials	
Loose Pin/Receptacle # (Material):	4613 (Brass Alloy)
Shell Plating:	200 μ" Tin/Lead(93/7) over 100 μ" Nickel
Inner Contact #:	30
# Contact Fingers:	4
Inner Contact Material:	Beryllium Copper
Inner Contact Plating:	100 μ" Tin/Lead(93/7) over 50 μ" Nickel
Insulator Material:	High Temp Thermoplastic

Technical Specs	
Pitch:	.100" (2,540mm)

Electrical Specs	
Rated Voltage:	100 VRMS/150 VDC
Insulation Resistance:	10,000 MΩ min.
Dielectric Withstanding Voltage:	1,000 VRMS min.

NOTES:

1. Standard Tolerances:
Assembly tolerance: +/- .010" (.25mm)
Insulator length: +/- .005 (.13mm)
Insulator width: +/- .005 (.13mm)
Insulator height: +/- .005 (.13mm)
Pin Length: +/- .005 (.13mm)
Pin Diameter: +/- .002 (.051mm)
Pin Angle: +/- 2°
Co-planarity of SMT connectors: .005" (.13mm) up to 1" (25.4mm) in connector length
Insulator Flatness: .005" (.13mm) up to 1" (25.4mm) in connector length
2. Not all part numbers in the series may be packaged in tubes. Some specific part numbers may be packaged in a box.
3. Per IEC 60512-11-(4,-9,-10,-12)

ADDITIONAL NOTES AND SPECIFICATIONS

In the interest of improved design, quality and performance , Mill-Max reserves the right to make changes in its specifications without prior notice. Specifications and tolerances are provided wherever possible. The tolerance on dimensions of critical to function features is typically held tighter than the stated standard tolerances, such as press-fits, holes and lengths affecting the coplanarity of SMT products. Due to the wide variety of interconnects Mill-Max offers, the specific tolerances vary from product to product. If you need information regarding the tolerance of a particular part, please contact Technical Services.

RELATED LINKS AND DOCUMENTS

- Engineering Notebook: [Mill-Max Press-Fit Pins](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>