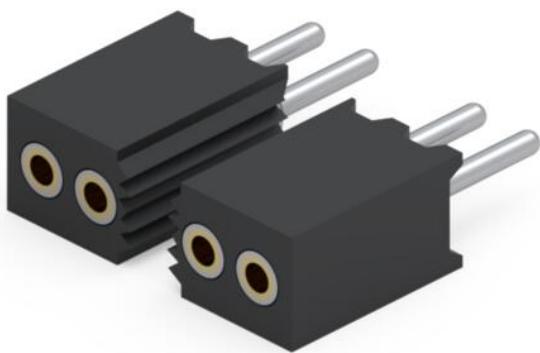
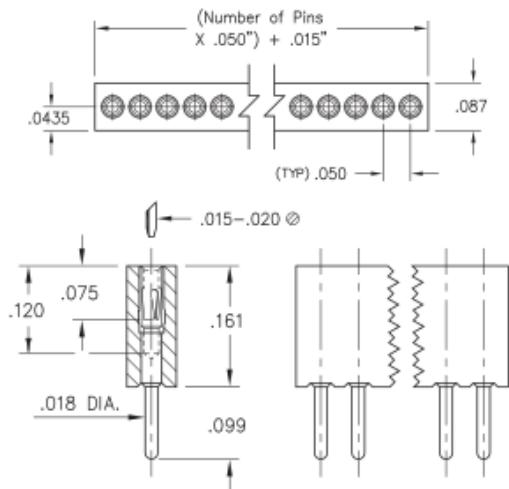




PRODUCT NUMBER: 851-91-017-10-001000

www.mill-max.com
DATA SHEET



General Info

Description¹: Standard Solder Tail Socket
Accepts .015"-.020" (0,381-0,508mm) dia leads

Type: Interconnect

Category: Machined Pin Socket

Mounting Style: Through Hole Solder Mount

Tail Type: Solder Tail

Pins: 17

Packaging²: Packaged in Box or Tube

Rows: Single Row

ECCN: Contact Factory

HTSUS: 8536.90.4040

Product Lifecycle: Active

Country Of Origin: USA

851-91-017-10-001000- SPECIFICATIONS

Environmental Specs		Materials	
Temperature Range ³ :	-55/+125° C	Loose Pin/Receptacle # (Material):	4890 (Brass Alloy)
Moisture Sensitivity Level (MSL):	1 (Unlimited)	Shell Plating:	200 μ " Tin/Lead(93/7) over 100 μ " Nickel
REACH Status:	REACH Unaffected	Inner Contact #:	11
Technical Specs			Inner Contact Fingers:
			3
			Inner Contact Material: Beryllium Copper
			Inner Contact Plating: 10 μ " Gold over 50 μ " Nickel
			Insulator Material: Nylon 4/6
Electrical Specs			
			Pitch: .050" (1,270mm)
			Rated Voltage: 100 VRMS/150 VDC
			Insulation Resistance: 10,000 M Ω min.
			Dielectric Withstanding Voltage: 1,000 VRMS min.

NOTES:

1. Standard Tolerances

Assembly tolerance: +/- .010" (.25mm)

Connector Length "L"

Connector Length "L"	Tolerance
$L \leq 2"$ ($L \leq 50.8$ mm)	+/- .005" (+/- .127 mm)
$2 < L \leq 3"$ (50.8 < $L \leq 76.2$ mm)	+ .007 / - .006" (+ .178 / -.152 mm)
$3 < L \leq 4"$ (76.2 < $L \leq 101.6$ mm)	+ .009 / - .007" (+ .229 / -.178 mm)
$4 < L \leq 5"$ (101.6 < $L \leq 127$ mm)	+ .011 / - .008" (+ .279 / -.203 mm)
$5 < L \leq 6.4"$ (127 < $L \leq 162.56$ mm)	+ .013 / - .009" (+ .330 / -.229 mm)

Insulator width: +/- .005 (.13mm)

Insulator height: +/- .005 (.13mm)

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

Pin Length: +/- .005 (.13mm)

Pin Diameter: +/- .002 (.051mm)

Pin Angle: +/- 2°

- Not all part numbers in the series may be packaged in tubes. Some specific part numbers may be packaged in a box.
- 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: [Introduction to Machined Pin PCB Connectors & Interconnects](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>