



PRODUCT NUMBER: 801-99-041-10-004000

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DATA SHEET



General Information	
1 Product Lifecycle:	Active
Product Family:	PCB Connector
Type:	Machined Pin Socket
Category:	Interconnect
2 Description:	Standard Solder Tail Socket
Description2:	Accepts .037" - .043" (0,94 - 1,09 mm) dia leads
Mounting Type:	Through Hole Solder Mount
Tail Type:	Solder Tail
Rows:	Single Row
Number of Pins:	41
Country of Origin:	USA

801-99-041-10-004000 - SPECIFICATIONS

Product Attributes	
Frame Type:	N/A
3 Plating Code:	99 - shell: 200 μ" Tin/Lead(93/7) over 100 μ" Nickel - inner contact: 100 μ" Tin/Lead(93/7) over 50 μ" Nickel
Contact Number:	18 - Standard 6 Finger Contact
Lead Diameter Range:	.037"-.043" (0,940-1,092mm)
Insulator Material:	High Temp Thermoplastic
Pitch:	.100" (2,540mm)
Mounting Tab:	N/A
4 Operating Temperature Range:	-55/+125° C

Key Dimensions	
Insulator Height:	.272" (6,909mm)
Mating Pin Diameter:	.037"-.043" (0,940-1,092mm)

Electrical Specifications	
5 Current Rating:	3 Amps
Contact Resistance:	10.00mΩ Max
Insulation Resistance:	10,000 MΩ min.
Rated Voltage:	100 VRMS/150 VDC
Dielectric Withstanding Voltage:	1,000 VRMS min.

Mounting Specifications	
Mounting Hole Type:	Through Hole Solder Mount
SMT Pad Size:	N/A

Environmental & Export Classifications

Cage Code:	3N087
ECCN:	Contact Factory
HTSUS:	8536.90.4040
Moisture Sensitivity Level (MSL):	1 (Unlimited)
Prop 65:	N
REACH Status:	REACH Unaffected
Special Handling Code:	UNDF
Static Sensitive:	N

Packaging Information

6 Packaging:	Packaged in Box or Tube
Tape Width:	N/A

NOTES:

1. Part is Active and in Production, No Scheduled Obsolescence

2. **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°

3. **Shell Plating:** 200 μ " Tin/Lead(93/7) over 100 μ " Nickel

Contact/Clip Plating: 100 μ " Tin/Lead(93/7) over 50 μ " Nickel

4. Per IEC 60512-11-(4,-9,-10,-12)

5. Per IEC 60512-5-1, Current Carrying Capacity (evaluated at 10° C Temp. Rise)

6. Not all part numbers in the series may be packaged in tubes. Some specific part numbers may be packaged in a box.

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

- Product Detail: [801-99-041-10-004000 - Standard Solder Tail Socket](#)
- Engineering Notebook: [Introduction to Machined Pin PCB Connectors & Interconnects](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>