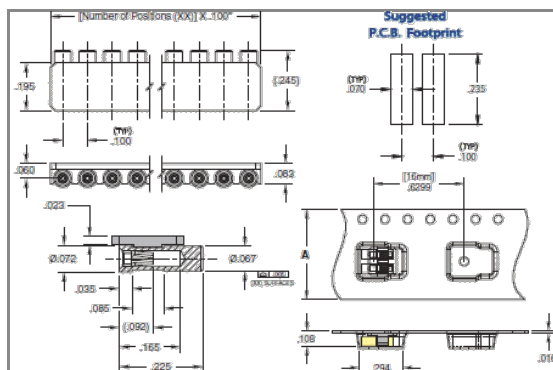




PRODUCT NUMBER: 835-13-006-40-030001

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DATA SHEET



835-13-006-40-030001- SPECIFICATIONS

General Info	
Description ¹ :	Horizontal Mount Socket Accepts .015"-.025" (0,381-0,635mm) dia leads
Type:	Interconnect
Category:	Machined Pin Socket
Mounting Style:	Surface Mount
# Pins:	6
Packaging ² :	Tape & Reel
Qty Reel:	1450
Pitch:	.100" (2,540mm)
Rows:	Single Row
Product Lifecycle:	Active

Environmental Specs	
Temperature Range ³ :	-55/+125° C
RoHS ⁴ :	Yes

Mechanical Specs	
SMT Pad Size:	.070" (1,778mm)

Materials	
Loose Pin/Receptacle # (Material):	3530 (Brass Alloy)
Shell Plating:	10 μ" Gold over 100 μ" Nickel
Inner Contact #:	30
# Contact Fingers:	4
Inner Contact Material:	Beryllium Copper
Inner Contact Plating:	30 μ" Gold over 50 μ" Nickel
Insulator Material:	Nylon 4/6

Electrical Specs	
Rated Voltage:	100 VRMS/150 VDC
Insulation Resistance ⁵ :	10,000 MΩ min.
Dielectric Strength:	1,000 VRMS min.

NOTES:

1. Standard Tolerances

Assembly tolerance: $\pm .010"$ (.25mm)

Connector Length "L"

Connector Length "L"	Tolerance
$L \leq 2"$ ($L \leq 50.8$ mm)	$\pm .005"$ ($\pm .127$ 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: $\pm .005$ (.13mm)

Insulator height: $\pm .005$ (.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: $\pm .005$ (.13mm)

Pin Diameter: $\pm .002$ (.051mm)

Pin Angle: $\pm 2^\circ$

- 13" (330 mm) Reel
- Per IEC 60512-11-(4,-9,-10,-12)
- Mill-Max products labeled with the RoHS symbol are compliant with all three ROHS Directives. All of our products previously described as RoHS (2002/95/EC) and RoHS-2 (2011/65/EC) are also compliant with RoHS-3 (2015/863/EU).
- For discrete pin only. Per EIA-364-23C, Low Level Contact Resistance

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

Environmental Compliance: (<https://www.mill-max.com/rohs>)