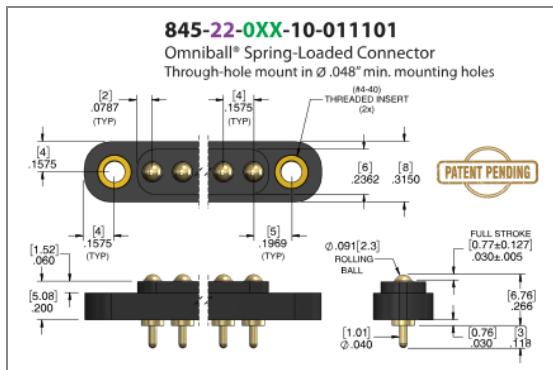




PRODUCT NUMBER: 845-22-003-10-011101

www.mill-max.com
DATA SHEET



845-22-003-10-011101- SPECIFICATIONS

General Info		Materials	
Description¹:	PCB Mount Spring-Loaded Header Rugged Vertical Mount Through-Hole	Loose Pin/Receptacle # (Material):	7945 (Brass Alloy)
Type:	Spring-Loaded	Shell Plating:	20 μ " Gold over Nickel
Category:	Omniball® Spring-Loaded Header	Inner Plating:	(Spring) 10 μ " Gold
Mounting Style:	Mounting Tabs with 4-40 Threaded Inserts	Insulator Material:	Nylon 4/6
# Pins:	3	Technical Specs	
Qty Tube:	19	Initial Height:	.266" (6,756mm)
Pitch:	.158" (4,001mm)	Stroke:	.030" (0,762mm)
Rows:	Single Row	Electrical Specs	
Product Lifecycle:	Active	Contact Resistance:	30 m Ω max.
Environmental Specs		Rated Voltage:	100 VRMS/150 VDC
Temperature Range²:	-55/+125° C	Insulation Resistance⁵:	10,000 M Ω min.
Shock³:	No Elect. Discontinuity > 1 μ s @ 50g	Dielectric Strength:	1,000 VRMS min.
Vibration³:	No Elect. Discontinuity > 1 μ s @ 10-2000HZ, 15 G	Mechanical Specs	
RoHS⁴:	Yes	Durability: 100,000 to 1,000,000 Cycles @ Mid-Stroke	

NOTES:

1. Standard Tolerances

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

Connector Length "L"

Connector Length "L"	Tolerance
$L \leq 2"$ ($L \leq 50.8$ mm)	$+.005" / -.005" (+.127 / -.127 mm)$
$2 < L \leq 3"$ ($50.8 < L \leq 76.2$ 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: +/- .006 (.15mm)

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

Pin Angle: +/-2°

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

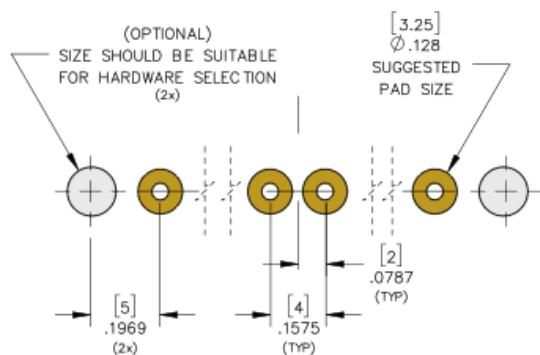
3. For discrete pin only. Per IEC 60512-6-3: Test 6c: Shock

4. 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).

5. For discrete pin only. Per EIA-364-23C, Low Level Contact Resistance

ADDITIONAL PARTS, PACKAGING, & ASSEMBLY INFO

Suggested P.C.B. Footprint



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: (<https://www.mill-max.com/engineering-notebooks/introduction-to-spring-loaded-pogo-pins-connectors>)

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