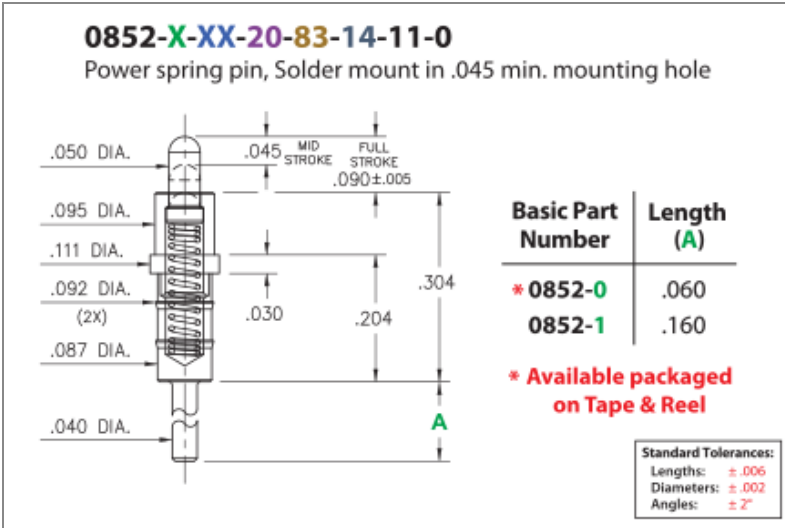




PRODUCT NUMBER: 0852-0-15-20-83-14-11-0

www.mill-max.com
DATA SHEET



0852-0-15-20-83-14-11-0 SPECIFICATIONS

General Info	
Description¹:	Spring-Loaded Power Pin
Mounting Style :	Through-Hole Solder Mount
Mounting Hole:	.043" (1,092mm)
Initial Height:	.454" (11,532mm)
Stroke:	.090" (2,286mm)
Packaging:	15 - Packaged in Bulk
RoHS²:	Yes
Product Lifecycle³:	Active

Materials	
Shell Material⁴ :	Brass Alloy
Shell Plating:	20 μ" Gold over Nickel
Spring Plating⁵:	10 μ" Gold over Nickel

Technical Specs	
Durability:	100,000 to 1,000,000 Cycles @ Mid-Stroke
Operating Temperature Range⁶:	-55/+125° C
Current Rating:	See Spring Derating Curve
Shock⁷:	No Elect. Discontinuity > 1μs @ 50g
Vibration⁸:	No Elect. Discontinuity > 1μs @ 10-2000HZ, 20 G

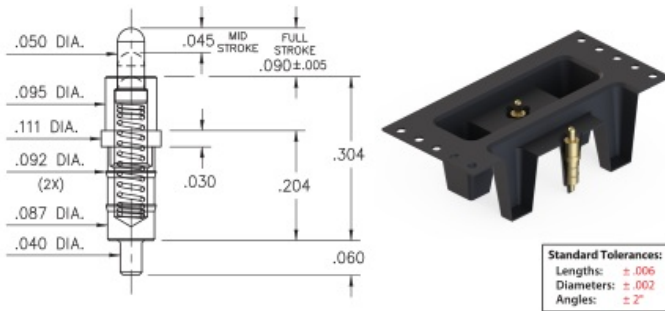
NOTES:

- Standard Tolerances:
Lengths $\pm .006$ " (0,15)
Diameters: $\pm .002$ " (0,051)
Angles: $\pm 2^\circ$
- 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).
- Part is Active and in Production, No Scheduled Obsolescence
- Brass Alloy 360 per ASTM B 16, or 385 per ASTM B455
- Per ASTM B 488, Type 1 (99.7% min. gold)
- Storage per IEC 60512-11-(4,9,10,12) and peak operating temperature per IEC 60512-5-2, Test 5b
- Per IEC 60512-6-3: Test 6c: Shock
- Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)

ADDITIONAL PARTS, PACKAGING, & ASSEMBLY INFO

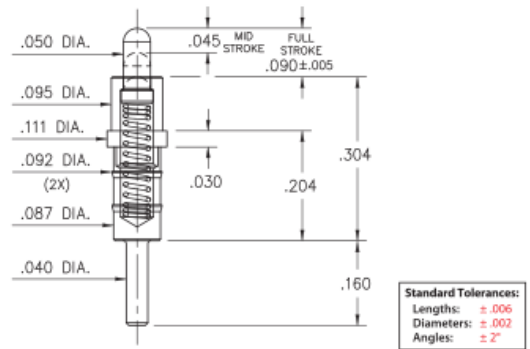
0852-0-15-20-83-14-11-0

Power spring pin, Solder mount in .045 min. mounting hole
44mm wide X 12mm pitch carrier tape: 425 parts per 13" reel
Order as: 0852-0-57-20-83-14-11-0



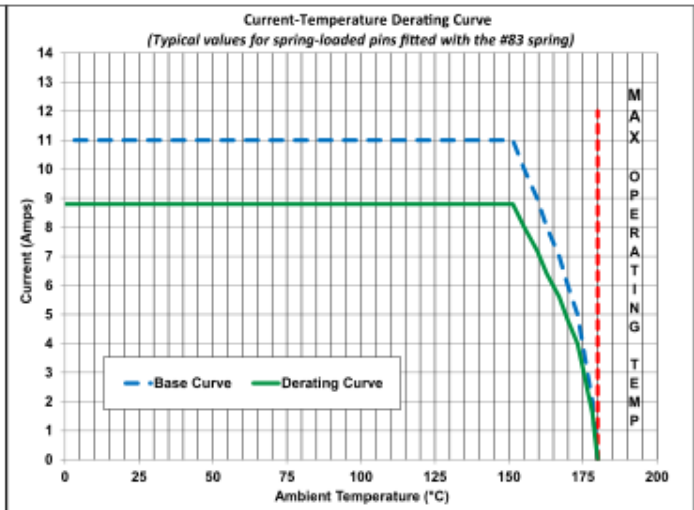
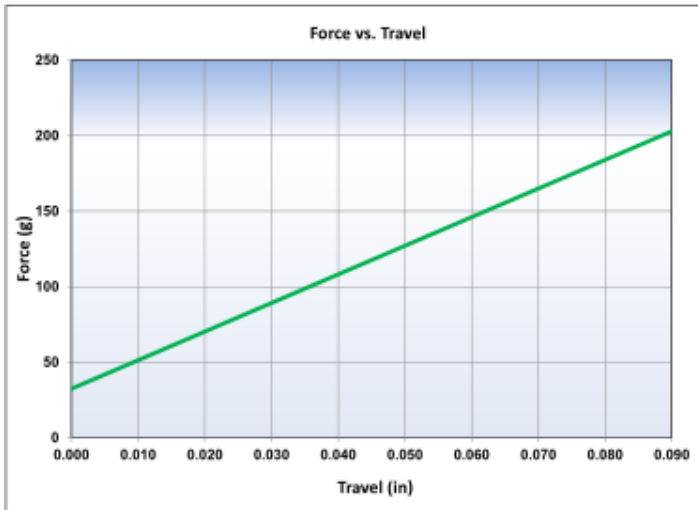
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Power spring pin
Solder mount in .045 min. mounting hole



SPRING:

#83 SPRING HIGH FORCE SPRING	Full Stroke Capability : .090"± .005" [2,29 ± 0,127]
Spring Material : Stainless Steel 302	Force @ Mid. Stroke : 120 g ± 20 g
Mid. Stroke : .045" [1,14]	Initial Force (Pre-Load) : 30 g



The stroke, force and current rating values are measured using spring pins with an internal construction per the design specification. Individual spring pin performance may vary from these values based on design differences.

Material	Stainless Steel
Grams Force	120
Max Stroke	0.09

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.