



PRODUCT NUMBER: 3138-2-00-15-00-00-08-0

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DATA SHEET

**31XX-X-00-XX-00-00-08-0**  
Specify board thickness  
Swage mount in .064 hole

Technical drawing of a swage terminal pin. Dimensions shown: .040 DIA. (top), .060 DIA. (middle), .094 DIA. (bottom), .050 DIA. (bottom), .071 (width of top flange), .031 (width of bottom flange), and length A (total length).

| Basic Part Number | Pin Length A |
|-------------------|--------------|
| 3152-X            | .094         |
| 3133-X            | .219         |
| 3138-X            | .282         |

| -X- | Board Thickness | Length V |
|-----|-----------------|----------|
| 1   | .031            | .063     |
| 2   | .062            | .094     |
| 3   | .094            | .125     |
| 4   | .125            | .156     |



3138-2-00-15-00-00-08-0 SPECIFICATIONS

| General Info                      |                                   |
|-----------------------------------|-----------------------------------|
| Description <sup>1</sup> :        | Swage Terminal Pin                |
| Mounting Feature:                 | Swage Mount                       |
| Mounting Hole:                    | .064" (1,626mm)                   |
| Alternate Mounting <sup>2</sup> : | Through-Hole<br>Solder-tail Mount |
| Alternate Mounting Hole:          | 0.0540                            |
| Packaging:                        | Packaged in Bulk                  |
| RoHS <sup>3</sup> :               | Yes                               |
| Product Lifecycle <sup>4</sup> :  | Active                            |
| Country Of Origin:                | USA                               |

| Materials   |
|---|
| Shell Material <sup>5</sup> :Brass Alloy            |
| Shell Plating <sup>6</sup> : 10 μ" Gold over Nickel |

| Technical Specs                            |                      |
|--|----------------------|
| Operating Temperature Range <sup>7</sup> : | - 55/+125° C         |
| Maximum Current:                           | Application Specific |

## NOTES:

1. Standard Tolerances:  
Lengths  $\pm .005"$  (0,13)  
Diameters:  $\pm .002"$  (0,051)  
Angles:  $\pm 2^\circ$
2. For through-hole solder mounting of this part, the suggestion is to make the finished hole size, at its minimum, .004" larger than the diameter being soldered into the mounting hole.
3. 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).
4. Part is Active and in Production, No Scheduled Obsolescence
5. Brass Alloy 360 per ASTM B 16, or 385 per ASTM B455
6. GOLD per ASTM B 488, Type 1 (99.7% min. gold), Code C (130-200 HK {Knoop hardness}), NICKEL per ASTM B 689, Type 2 (Bright)
7. 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: ( <https://www.mill-max.com/engineering-notebooks/printed-circuit-board-terminal-pins/introduction-to-swage-assembly> )

Engineering Notebook: ( <https://www.mill-max.com/engineering-notebooks/printed-circuit-board-terminal-pins> )

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