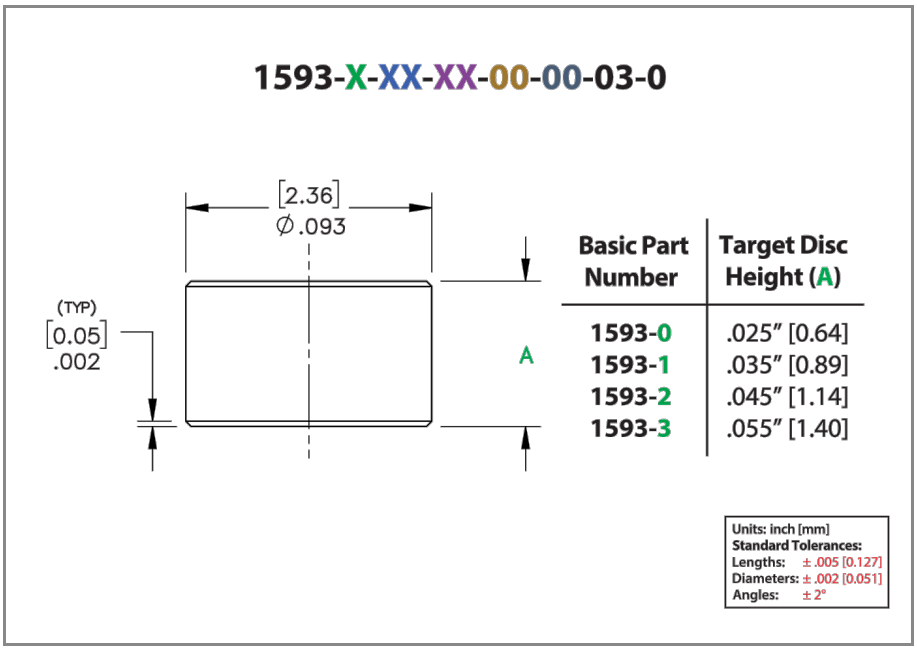
# PRODUCT NUMBER: 1593-0-00-15-00-00-03-0

www.mill-max.com
DATA SHEET






## General Information

| | | |
|---|---|---|
| 1 | **Product Lifecycle:** | Active |
| | **Product Family:** | Discrete Spring-Loaded Target Contacts |
| 2 | **Description:** | Target Disc for Spring-Loaded Pins |
| 3 | **Shell Material:** | Brass Alloy |
| 4 | **Shell Plating:** | 15 : 10 µ" Gold over Nickel |
| 5 | **Operating Temperature Range:** | - 55/+125° C |
| | **Country of Origin:** | USA |
| 6 | **ROHS:** | Yes |

## Termination Style

| | |
|---|---|
| **Target Face Type:** | Flat Face |
| **Tail:** | None |
| **Tail Type:** | No Tail |
| **Head Type:** | N/A |
| **Hole Type:** | N/A |
| **Wire Termination:** | N/A |

## 1593-0-00-15-00-00-03-0 - SPECIFICATIONS

| Key Dimensions | |
|---|---|
| **Body Diameter:** | .093" (2,362mm) |
| **Flange Diameter:** | .093" (2,362mm) |
| **Flange Length:** | .025" (0,635mm) |
| **Overall Length:** | .025" (0,635mm) |

| Electrical Specifications | |
|---|---|
| 7 **Maximum Current:** | Application Specific |

| Mounting Specifications | |
|---|---|
| **Mounting Feature:** | Surface Mount |
| **Mounting Hole Type:** | Surface Mount |
| **Alternate Mounting:** | N/A |
| **SMT Pad Size:** | Circular - 0.103" |

| Packaging Information | |
|---|---|
| **Packaging:** | 00 - Packaged in Bulk |
| **Reel Size:** | N/A |

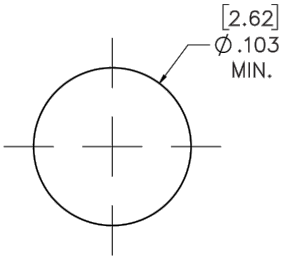
| Environmental & Export Classifications | |
|---|---|
| **REACH Status:** | REACH Unaffected |
| **ECCN:** | Contact Factory |
| **HTSUS:** | 8536.90.4000 |
| **Cage Code:** | 3N087 |
| **Moisture Sensitivity Level (MSL):** | 1 (Unlimited) |
| **Special Handling Code:** | UNDF |
| **Prop 65:** | N |
| **Static Sensitive:** | N |

## NOTES:

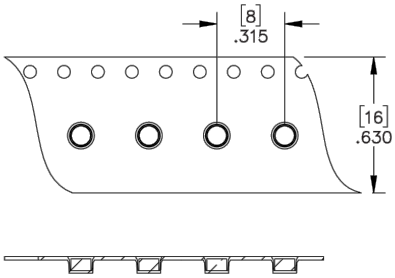
1. Part is Active and in Production, No Scheduled Obsolescence
2. Standard Tolerances:
   Lengths +/-.005" (0,13)
   Diameters: +/-.002" (0,051)
   Angles: +/- 2°
3. Brass Alloy 360 per ASTM B 16, or 385 per ASTM B455
4. GOLD per ASTM B 488, Type 1 (99.7% min. gold), Code C (130-200 HK {Knoop hardness}), NICKEL per ASTM B 689, Type 2 (Bright)
5. Per IEC 60512-11-(4,-9,-10,-12)
6. 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).
7. Current Rating is typically a measured function of the female socket/connector. The amount of current a solid, male pin can tolerate is a direct relation of the heat displaced based on current and the ability of neighboring components to handle displaced heat.

## ADDITIONAL PARTS, PACKAGING & ASSEMBLY INFO

**Suggested P.C.B. Footprint**




**1593-X-57 Tape & Reel Details**




## 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: 1593-0-00-15-00-00-03-0 - Spring-Loaded Target Contact with Flat Face
- Engineering Notebook: **Spring Loaded Pin Applications**
- Environmental Compliance: https://www.mill-max.com/rohs