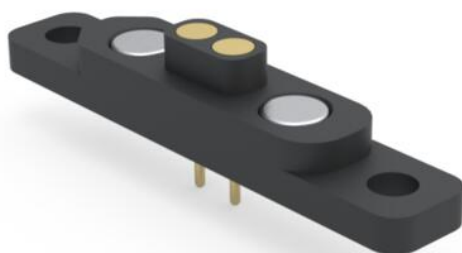
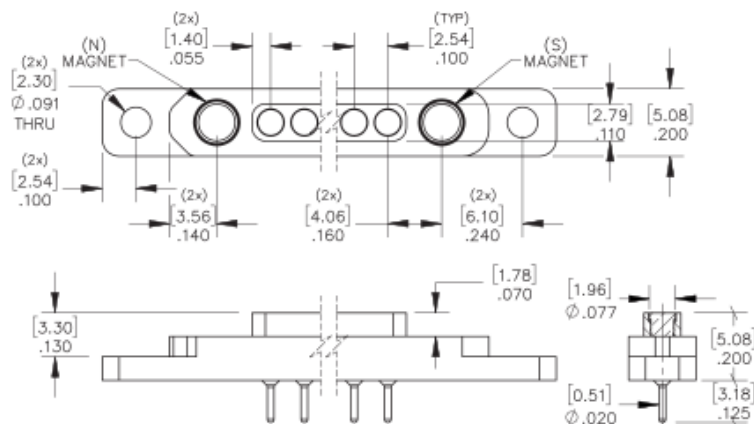




PRODUCT NUMBER: 872-10-002-10-012000

www.mill-max.com  
DATA SHEET

### 872-10-0XX-10-012000



#### General Info

**Description<sup>1</sup>:** PCB Mount Target Pad Header  
Magnetic Vertical Mount Through-Hole; Flat Face

**Type:** Mating Target

**Category:** Maxnetic® Pad Connector

**Mounting Style:** Through-Hole Solder Mount;  
Mounting Tabs

**Tail Type:** Solder Tail

**# Pins:** 2

**Packaging<sup>2</sup>:** Packaged in Box or Tube

**Rows:** Single Row

**ECCN:** Contact Factory

**HTSUS:** 8536.90.4040

**Product Lifecycle:** Active

**Country Of Origin:** USA

872-10-002-10-012000- SPECIFICATIONS

| Environmental Specs               |                  |
|-----------------------------------|------------------|
| Temperature Range:                | -55/+80° C       |
| RoHS <sup>3</sup> :               | Yes              |
| Moisture Sensitivity Level (MSL): | 1 (Unlimited)    |
| REACH Status:                     | REACH Unaffected |

| Materials                          |                               |
|------------------------------------|-------------------------------|
| Loose Pin/Receptacle # (Material): | 1972 (Brass Alloy)            |
| Shell Plating:                     | 10 μ" Gold over 100 μ" Nickel |
| Inner Plating:                     |                               |
| Insulator Material:                | PPS                           |

| Technical Specs |                 |
|-----------------|-----------------|
| Pitch:          | .100" (2,540mm) |
| Tail Diameter:  | .040" (1,016mm) |

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

NOTES:

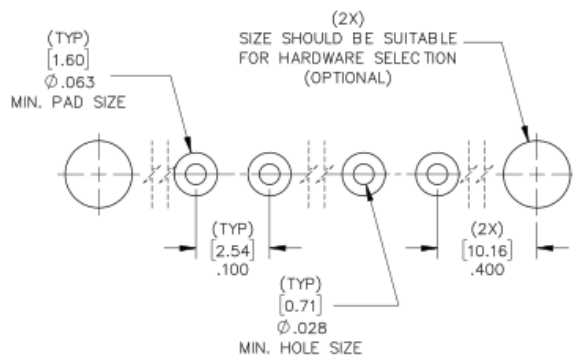
1. Standard Tolerances  
Assembly tolerance: +/- .010" (.25mm)  
Connector Length "L"

| Connector Length "L"              | Tolerance                             |
|-----------------------------------|---------------------------------------|
| L ≤ 2" (L ≤ 50.8 mm)              | +/- .005" (+/- .127 mm)               |
| 2< L ≤ 3" (50.8 < L ≤ 76.2 mm)    | + .007/ - .006" (+ .178/ - .152 mm)   |
| 3< L ≤ 4" (76.2 < L ≤ 101.6 mm)   | + .009 / - .007" (+ .229 / - .178 mm) |
| 4< L ≤ 5" (101.6 < L ≤ 127 mm)    | + .011 / - .008" (+ .279 / - .203 mm) |
| 5< L ≤ 6.4" (127 < L ≤ 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: +/- .005 (.13mm)  
Pin Diameter: +/- .002 (.051mm)  
Pin Angle: +/- 2°
2. Not all part numbers in the series may be packaged in tubes. Some specific part numbers may be packaged in a box.
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).

## 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

- [Change Notice - PRODUCT CHANGE NOTICE \(878-20-00X-00-011000\)](#)
- Engineering Notebook: [Introduction to Spring Loaded Pogo Pins & Connectors](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>