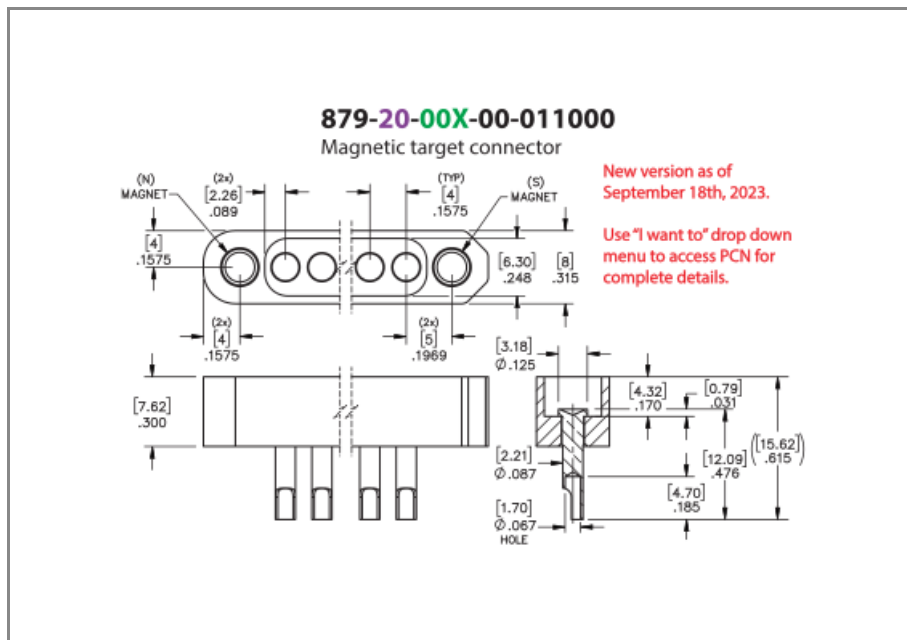




PRODUCT NUMBER: 878-20-002-00-011000

www.mill-max.com  
DATA SHEET



| General Info       |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| 1 Description:     | Wire Termination Target Pad Header<br>Magnetic Vertical Mount Soldercup; Concave Face |
| Target Face Type:  | Concave Face                                                                          |
| Type:              | Mating Target                                                                         |
| Category:          | Maxnetic® Pad Connector                                                               |
| Mounting Style:    | Mounting Tabs with Magnetic Inserts                                                   |
| Tail Type:         | Soldercup Tail                                                                        |
| # Pins:            | 2                                                                                     |
| 2 Packaging:       | Packaged in Box or Tube                                                               |
| Qty Tube:          | 23                                                                                    |
| Rows:              | Single Row                                                                            |
| ECCN:              | Contact Factory                                                                       |
| HTSUS:             | 8536.90.4040                                                                          |
| Product Lifecycle: | Discontinued                                                                          |
| Country Of Origin: | USA                                                                                   |

878-20-002-00-011000- SPECIFICATIONS

| Environmental Specs               |                               |
|-----------------------------------|-------------------------------|
| Temperature Range:                | -55/+80° C                    |
| 3 RoHS:                           | Yes                           |
| Moisture Sensitivity Level (MSL): | 1 (Unlimited)                 |
| REACH Status:                     | REACH Unaffected              |
| Materials                         |                               |
| Shell Plating:                    | 20 μ" Gold over 100 μ" Nickel |
| Inner Plating:                    | 10 μ" Gold over 50 μ" Nickel  |
| Insulator Material:               | FR-4 (Black)                  |
| Technical Specs                   |                               |
| Pitch:                            | .158" (4,001mm)               |
| 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                             |
|-----------------------------------------------|---------------------------------------|
| $L \leq 2"$ ( $L \leq 50.8$ mm)               | +/- .005" (+/- .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**

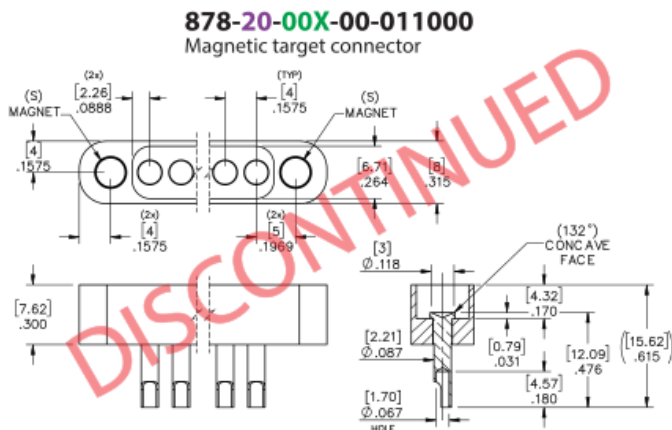
Pin Length: +/- .005 (.13mm)

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

Pin Angle:  $\pm 2^\circ$

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



### 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: [878-20-002-00-011000 - PCB Mount Target Header](#)
- Engineering Notebook: [Introduction to Spring-Loaded Pogo Pins & Connectors](#)
- Environmental Compliance: <https://www.mill-max.com/rohs>