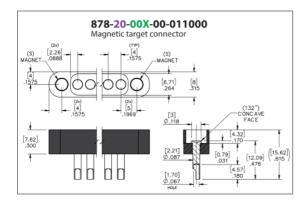


### PRODUCT NUMBER: 878-20-006-00-011000

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**Materials** 

## 878-20-006-00-011000- SPECIFICATIONS

| General Info  |  |  |  |  |
|---|--|--|--|--|
| Description <sup>1</sup> :                          | Wire Termination Target Header<br>Magnetic Vertical Mount Soldercup; Concave<br>Face |  |  |  |
| Туре:   | Spring-Loaded  |  |  |  |
| Category:   | Maxnetic <sup>™</sup> Spring-Loaded Header   |  |  |  |
| Mounting Style: Mounting Tabs with Magnetic Inserts |  |  |  |  |
| # Pins:   | 6  |  |  |  |
| Packaging:  | Packaged in Tubes  |  |  |  |
| Pitch:  | .158" (4,001mm)  |  |  |  |
| Rows:   | Single Row   |  |  |  |
| Product<br>Lifecycle:                               | Active   |  |  |  |
|   |  |  |  |  |

| Shell Plating:                   | 20 $\mu^{\mbox{\tiny T}}$ Gold over 100 $\mu^{\mbox{\tiny T}}$ Nickel                    |                  |  |  |  |
|----------------------------------|--|------------------|--|--|--|
| Inner Plating:                   | 10 $\mu^{\scriptscriptstyle \rm T}$ Gold over 50 $\mu^{\scriptscriptstyle \rm T}$ Nickel |                  |  |  |  |
| Insulator Material:              | FR-4 (Black)   |                  |  |  |  |
|                                  |  |                  |  |  |  |
| Electrical Specs                 |  |                  |  |  |  |
| Rated Voltage:                   |  | 100 VRMS/150 VDC |  |  |  |
| Insulation Resistance            | :  | 10,000 MΩ min.   |  |  |  |
| Dielectric Withstanding Voltage: |  | 1,000 VRMS min.  |  |  |  |

#### **Environmental Specs**

| Temperature Range:  | -55/+80° C |
|---------------------|------------|
| RoHS <sup>2</sup> : | Yes        |

### **NOTES:**

#### 1. Standard Tolerances

Assembly tolerance: +/-.010" (.25mm)

Connector Length "L"

| Connector Length "L"   | Tolerance                     |  |  |  |  |  |
|--|-------------------------------|--|--|--|--|--|
| $L \le 2" (L \le 50.8 \text{ mm})$   | +/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°   |                               |  |  |  |  |  |
| <ol> <li>Mill-Max products labeled with the RoHS symbol are compliant with all three ROHS Directives. All of our products<br/>previously described as RoHS (2002/95/EC) and RoHS-2 (2011/65/EC) are also compliant with RoHS-3<br/>(2015/863/EU).</li> </ol> |                               |  |  |  |  |  |

# **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: (<u>https://www.mill-max.com/engineering-notebooks/introduction-to-spring-loaded-pogo-pins-connectors</u>) Environmental Compliance: (<u>https://www.mill-max.com/rohs</u>)