PRODUCT NUMBER: 879-22-004-10-011101

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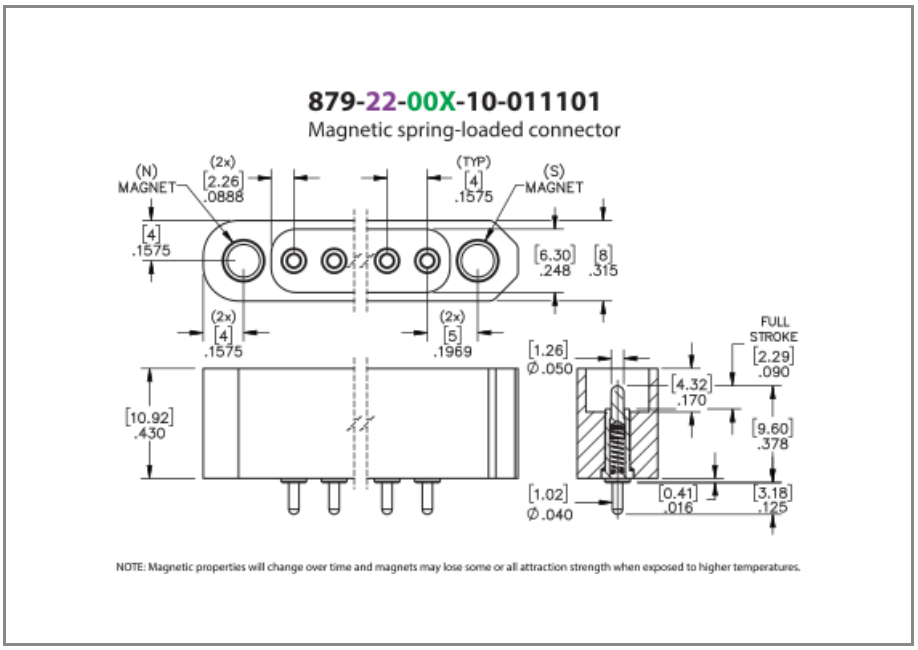
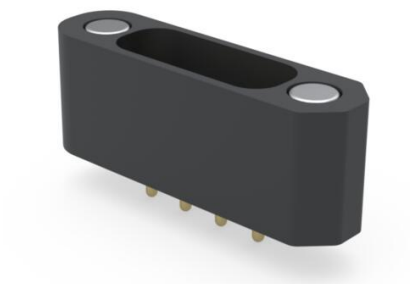
DATA SHEET





General Info

1	**Description:**	PCB Mount Spring-Loaded Header Magnetic Vertical Mount Through-Hole
	Plunger Type:	Round
	Type:	Spring-Loaded
2	**Category:**	Maxnetic® Pogo Pin Header Strip
	Mounting Style:	Mounting Tabs with Magnetic Inserts
	Tail Type:	Solder Tail
	# Pins:	4
3	**Packaging:**	Packaged in Box or Tube
	Qty Tube:	16
	Rows:	Single Row
	Head Type:	Plunger
	ECCN:	Contact Factory
	HTSUS:	8536.90.4040
	Product Lifecycle:	Active

General Info	
Country Of Origin:	USA

879-22-004-10-011101- SPECIFICATIONS

	Environmental Specs	
	Temperature Range:	-55/+80° C
4	Shock:	No Elect. Discontinuity > 1µs @ 50g
5	Vibration:	No Elect. Discontinuity > 1µs @ 10-2000HZ, 15 G
6	RoHS:	Yes
	Moisture Sensitivity Level (MSL):	1 (Unlimited)
	REACH Status:	REACH Unaffected
	Mechanical Specs	
	Mechanical life (Durability):	100,000 to 1,000,000 Cycles @ Mid-Stroke
	Materials	
	Loose Pin/Receptacle #(Material):	0858 (Brass Alloy)
	Shell Plating:	20µ" Gold over Nickel
	Inner Spring #:	62
	Inner Spring Material:	Stainless Steel
	Inner Spring Plating:	(Spring) 10µ" Gold
	Insulator Material:	PPS
	Technical Specs	
	Initial Height:	.378" (9,601mm)
	Stroke:	.090" (2,286mm)
	Pitch:	.158" (4,001mm)
	Tail Diameter:	.040" (1,016mm)
	Electrical Specs	
7	Contact Resistance:	25 mΩ max.
	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: +/-.006 (.15mm)
   Pin Diameter: +/-.002 (.051mm)
   Pin Angle: +/-2°
2. Magnetic force can change over time due to heat exposure.
3. Not all part numbers in the series may be packaged in tubes. Some specific part numbers may be packaged in a box.
4. For discrete pin only. Per IEC 60512-6-3: Test 6c: Shock
5. For discrete pin only. Per IEC 60512-6-4: Test 6d: Vibration (sinusoidal)
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. For discrete pin only. Per EIA-364-23C, Low Level Contact Resistance

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: 879-22-004-10-011101 - PCB Mount Spring-Loaded Header
- Engineering Notebook: **Introduction to Spring-Loaded Pogo Pins & Connectors**
- Environmental Compliance: https://www.mill-max.com/rohs