PRODUCT NUMBER: 480-10-264-00-001000

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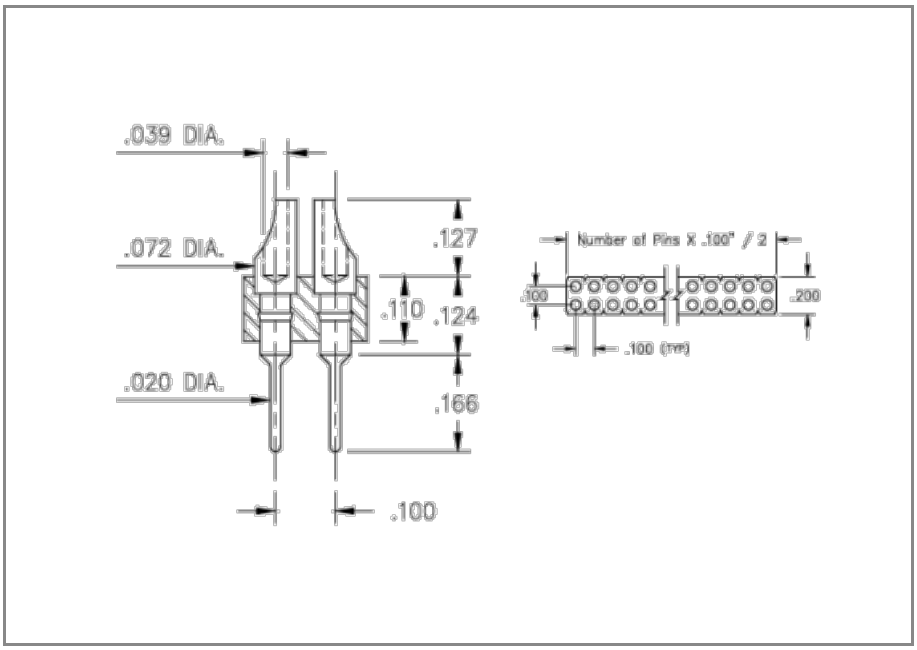
DATA SHEET





General Info		
1	**Description:**	Standard Pin Header Soldercup Header
	Type:	Interconnect
	Category:	Machined Pin Header
	Mounting Style:	Through Hole Solder Mount
	Tail Type:	Solder Tail
	# Pins:	64
2	**Packaging:**	Packaged in Box or Tube
	Rows:	Double Row
	Head Type:	SolderCup Head
	ECCN:	Contact Factory
	HTSUS:	8536.90.4040
	Product Lifecycle:	Active
	Country Of Origin:	USA

480-10-264-00-001000- SPECIFICATIONS

Environmental Specs		
3	**Temperature Range:**	-55/+125° C
4	**RoHS:**	Yes
	Moisture Sensitivity Level (MSL):	1 (Unlimited)
	REACH Status:	REACH Unaffected
Mechanical Specs		
	Mounting Hole:	.028" (0,711mm)
Materials		
	Loose Pin/Receptacle #(Material):	8000 (Brass Alloy)
	Shell Plating:	10 µ" Gold over 100 µ" Nickel
	Inner Plating:	n/a
	Insulator Material:	High Temp Thermoplastic
Technical Specs		
	Pitch:	.100" (2,540mm)
	Tail Diameter:	.020" (0,508mm)
Electrical Specs		
5	**Current Rating:**	Application Specific
	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. Per IEC 60512-11-(4,-9,-10,-12)
4. 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).
5. Current rating is typically a measured function of the female socket/connector. The amount of current a solid, male, brass 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 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: 480-10-264-00-001000 - Solder Tail Pin Header
- **Application Note - Pins Receptacles & Connectors with Solder Cups**
- Environmental Compliance: https://www.mill-max.com/rohs