



Product Lifecycle: Active

855-22-020-30-004101- SPECIFICATIONS

Environmental Specs	
Temperature Range ³ :	-55/+125° C
RoHS ⁴ :	Yes

Materials	
Loose Pin/Receptacle #(Material):	0950 (Brass Alloy)
Shell Plating:	20µ" Gold over Nickel
Inner Plating:	(Spring) 10µ" Gold
Insulator Material:	Nylon 4/6

Technical Specs	
Initial Height:	.166" (4,216mm)
Stroke:	.040" (1,016mm)
Pitch:	.050" (1,270mm)

NOTES:

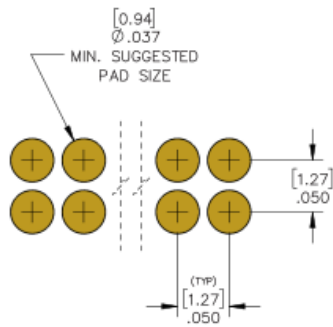
1. **Standard Tolerances**
Assembly tolerance: +/- .010" (.25mm)
Connector Length "L"

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. 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).

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

Engineering Notebook: (<https://www.mill-max.com/engineering-notebooks/introduction-to-spring-loaded-pogo-pins-connectors>)

Environmental Compliance: (<https://www.mill-max.com/rohs>)