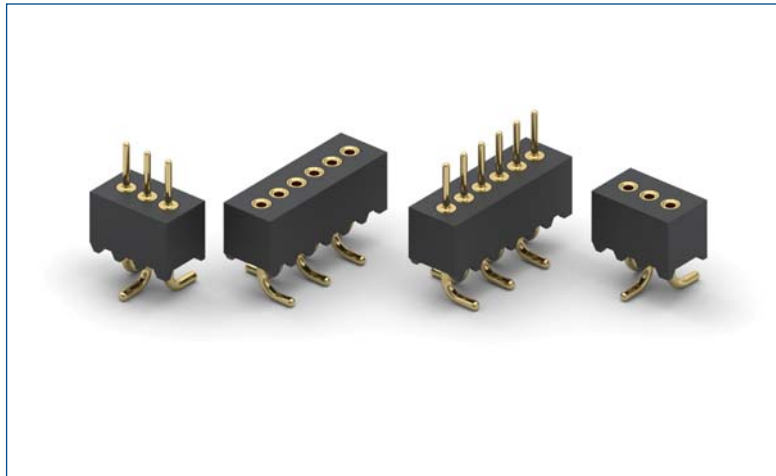


MAXIMUM SOLUTIONS

Mill-Max Introduces Fine Pitch SMT Gull Wing Connector Series

*1mm Pitch, Low Profile Makes Components Well Suited For
Compact Designs with Limited PCB Space*



Mill-Max Mfg. Corp. announces the availability of its new fine pitch SMT gull wing connector series. The series comprises the 860-10-0XX-30-002000 (1mm gull wing SMT header available in 3 - 26 positions) and the 861-13-0XX-30-002000 (1mm gull wing SMT socket available in 3 - 26 positions).

With a board-to-board stack height measuring less than 0.3" (7,62mm), the Mill-Max gull wing series is ideal for tight, compact spaces in which a surface mount, precision-machined connector is the preferred design choice. In addition, the diameter of the leads – .014" (0,36mm) for the socket, .015" (0,38mm) for the header – leaves a tiny footprint, saving valuable PCB space.

Sockets feature gold-plated shells and contacts, and headers gold-plated pins, thus ensuring optimum conductivity and superior wear resistance. The gull wing design allows for more effective and efficient inspection of the solder joints.

Additional features of the Mill-Max fine pitch SMT gull wing connector series:

- RoHS compliant
- Equipped with high temperature insulators and suitable for RoHS soldering processes
- Socket end uses a low-insertion force contact inside receptacles
- Gas tight connection when mated
- Coplanarity of 0.005" (0,13mm).

All Mill-Max pin headers and receptacle sockets feature high-speed, screw-machined pins and receptacles manufactured to precision tolerances. Inside each 861 series receptacle is a precision stamped Beryllium Copper Mill-Max #04 3-finger contact clip with a pin acceptance range of .008"-.013" (0,2mm – 0,33mm) diameter and a current rating of 2 amps.

For more information, go to www.mill-max.com/PR643.

(10/13 -- PR643)

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Diagram illustrating the dimensions for a 10-pin connector. The dimensions are defined as follows:

- Overall length: $(\text{Number of Pins} \times 1\text{mm}) + .0256$
- Pin pitch (typical): $(\text{TYP}) 1\text{mm}$
- Pin diameter: $.0435$
- Pin spacing (typical): $.087$

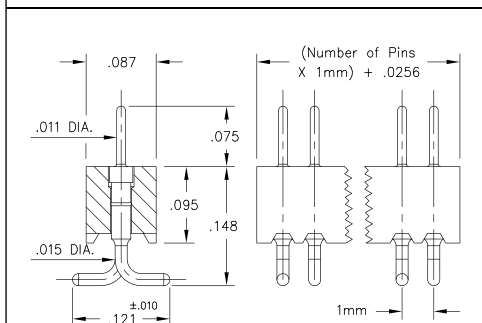


FIG. 1

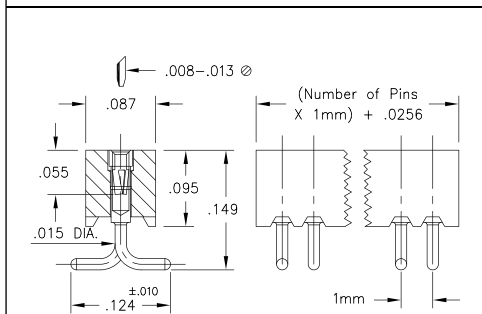
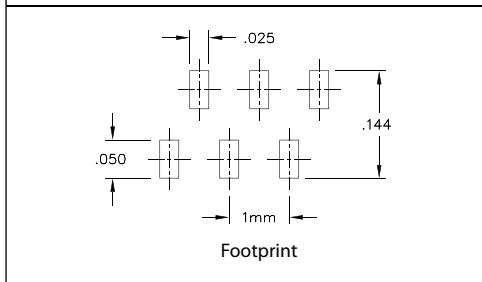


FIG. 2



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FIG. 1	Series 860...002		Single Row Surface Mount Header		
	860-10-0__-30-002000 Specify number of pins 03-26				
XX=Plating Code See Below <i>For Electrical, Mechanical & Enviromental Data, See page 264</i>					
SPECIFY PLATING CODE XX=	10				
Pin Plating	10 μ" Au				

