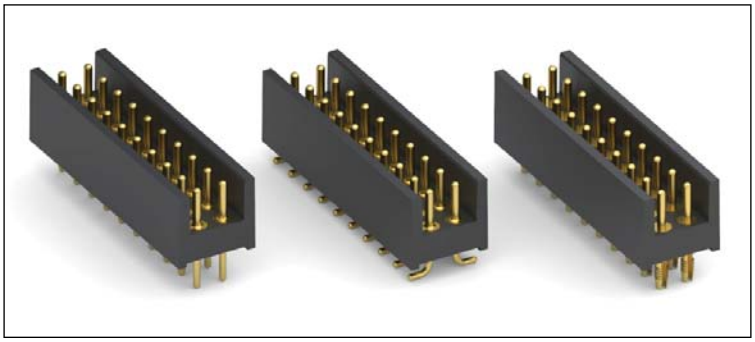
MAXIMUM SOLUTIONS

New Shrouded Male Connectors from Mill-Max



Mill-Max introduces shrouded male pin connectors for applications where a robust, secure connection is demanded, such as frequently mated interconnects and blind mate conditions. These double row connectors come in 4 to 64 pin configurations and are available in through- hole and surface mount termination styles.

Through-hole: Solder tail style: Series 802-10-0XX-10-052000 (XX=4 to 64 pins)
Solderless, compliant press-fit style: Series 802-10-0XX-61-051000 (XX=4 to 64 pins)
Surface mount: Gull wing style: Series 802-10-0XX-30-052000 (XX=4 to 64 pins)

The shroud of the connector extends above the pins affording full protection during handling, assembly, connecting and disconnecting. Further, the shroud limits the amount of misalignment between connectors during mating and de-mating – acting as a guide for blind mate applications.

Both the through-hole and surface mount versions are dual row with .100" (2,54 mm) spacing pin-to-pin and row-to-row. The connector body is molded from Ryton, a high temperature, durable thermoplastic with excellent thermal stability, chemical resistance and a flammability rating of UL94 V-0. The pins are made of precision-machined brass. The engaging leads are .030" (0,76 mm) in diameter, .142" (3,61 mm) long and gold-plated to provide a secure and reliable connection. These connectors are RoHS compliant and suitable for lead-free reflow processes.

The new 802-10-0XX-10-052000, 802-10-0XX-61-051000 & 802-10-0XX-30-052000 shrouded male connectors mate with the following Mill-Max sockets, all of which are rated at 4.5 amps per contact:

Through-hole, straight solder tail: 803-43-0XX-10-002000, 803-43-0XX-10-001000
Through-hole, right angle solder tail: 803-43-0XX-20-001000
Through-hole, compliant press-fit: 803-XX-0XX-61-001000, 803-XX-0XX-62-001000
Surface mount, gull wing; 803-43-0XX-30-001000

3D connector models are available upon request for product engineering development. Contact Mill-Max Technical Services for custom design options.

For more information, please visit: www.mill-max.com.

Mill-Max Mfg. Corp. • 190 Pine Hollow Road, Oyster Bay, NY 11771
516-922-6000 • Fax: 516-922-9253 • www.mill-max.com

(6/14 -- PR624)

SERIES 800 & 802 • .100" GRID (.030" DIA. PINS), SHROUDED STRAIGHT, SURFACE MOUNT & SOLDERLESS PRESS-FIT • SINGLE AND DOUBLE ROW STRIPS

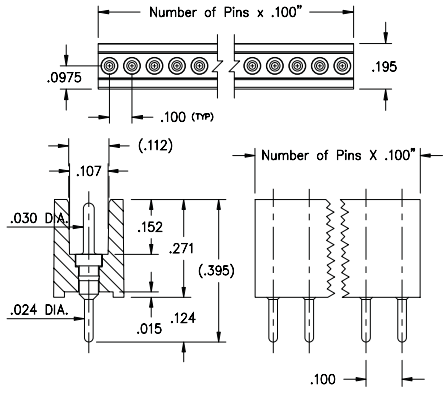


FIG. 1

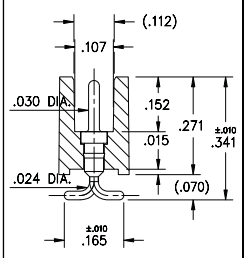


FIG. 2

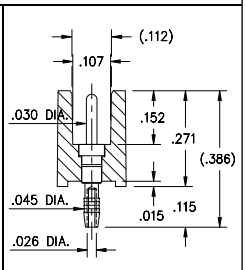


FIG. 3

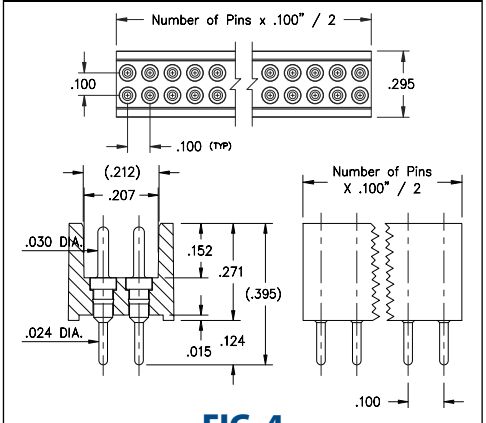


FIG. 4

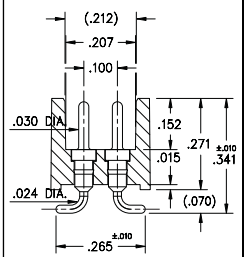


FIG. 5

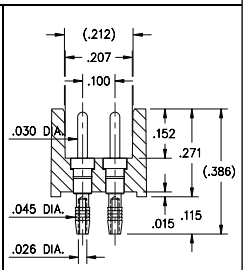
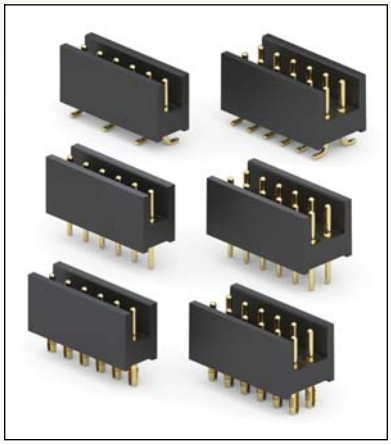


FIG. 6

- Shrouded pin interconnects available with straight Series 800...10-052 and 802...10-052 or surface mount 800...30-052 and 802...30-052 use MM #5016 pins. See page 215 for details
- Shrouded pin interconnects with solderless press-fit Series 800...61-051 and 802...61-051 use MM #5607 pins. See page 213 for details. The unique compliant tail pins conform to .040"± .003" finished hole without stressing inner layers. Patent No. 4,799,904
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	**Series 800...10-052**	**Straight Pin Header**
	800-10-0__-10-052000	
	Specify number of pins	01-32
FIG. 2	**Series 800...30-052**	**Surface Mount Pin Header**
	800-10-0__-30-052000	
	Specify number of pins	03-32
FIG. 3	**Series 800...61-051**	**Compliant Tail Pin Header**
	800-10-0__-61-051000	
	Specify number of pins	01-32
FIG. 4	**Series 802...10-052**	**Straight Pin Header**
	802-10-0__-10-052000	
	Specify number of pins	04-64
FIG. 5	**Series 802...30-052**	**Surface Mount Pin Header**
	802-10-0__-30-052000	
	Specify number of pins	04-64
FIG. 6	**Series 802...61-051**	**Compliant Tail Pin Header**
	802-10-0__-61-051000	
	Specify number of pins	04-64

RoHS-2 2011/65/EU

XX=Plating Code See Below

For Electrical, Mechanical & Enviromental Data, See page 264

SPECIFY PLATING CODE XX=	10 ◇			
Pin Plating	10 µ" Au			

Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com