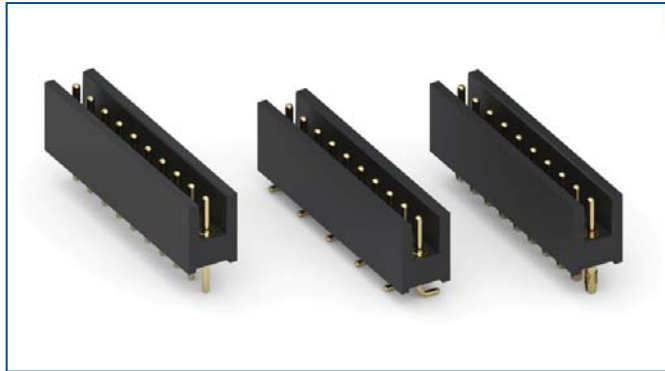


MAXIMUM SOLUTIONS

Mill-Max Adds Single Row Series to Shrouded Male Connector Line



Mill-Max is pleased to announce the addition of a single row option to our shrouded male pin connector line. Shrouded connectors are ideal for applications where a robust, secure connection is demanded, such as frequently mated interconnects and blind mate conditions. These single row connectors are offered in through-hole and surface mount termination styles and are available in up to 32 positions.

Through-hole:

Solder tail style: Series 800-XX-0XX-10-052000 (XX=2 to 32 pins)

Solderless, compliant press-fit style: Series 800-XX-0XX-61-051000 (XX=2 to 32 pins)

Surface mount:

Gull wing style: Series 800-XX-0XX-30-052000 (XX=3 to 32 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 have .100" (2,54 mm) spacing pin-to-pin. 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 or matte tin-plated to provide a secure and reliable connection. These connectors are RoHS compliant and suitable for lead-free reflow processes.

The new 800-XX-0XX-10-052000, 800-XX-0XX-61-051000 & 800-XX-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: 801-XX-0XX-10-002000, 801-XX-0XX-10-001000

Through-hole, right angle solder tail: 801-XX-0XX-20-001000

Through-hole, compliant press-fit: 801-XX-0XX-61-001000, 801-XX-0XX-62-001000

Surface mount, gull wing; 801-XX-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/PR632.

(1/13 -- PR632)

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



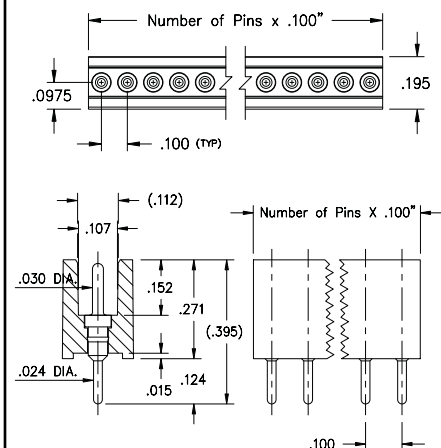
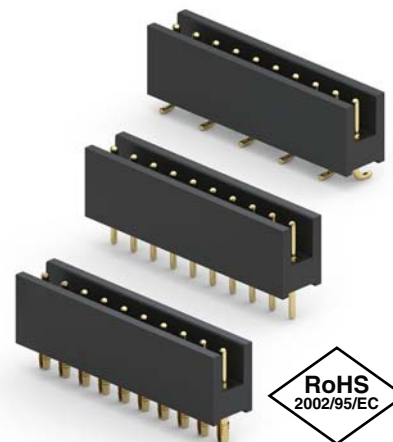


Fig. 1

- Shrouded Pin interconnects available with straight Series 800-XX-0XX-10-052000 or surface mount 800-XX-0XX-30-052000 use MM #5016 pins. See page 182 for details
- Shrouded Pin interconnects with solderless press-fit Series 800-XX-0XX-61-051000 use MM #5607 pins. See page 182 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



Ordering Information

Fig. 1

Series 800...10-052

Straight Pin Header

800-XX-0__-10-052000

Specify # of pins

01-32

Fig. 2

Series 800...30-052

Surface Mount Pin Header

800-XX-0__-30-052000

Specify # of pins

03-32

Fig. 3

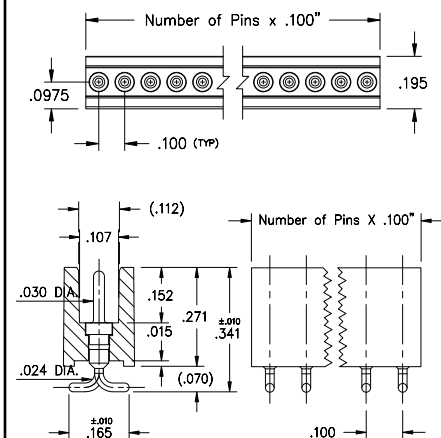
Series 800...61-051

Compliant Tail Pin Header

800-XX-0__-61-051000

Specify # of pins

01-32



Coplanarity .005". For Pin Counts >20 positions consult Technical Support.

Fig. 2

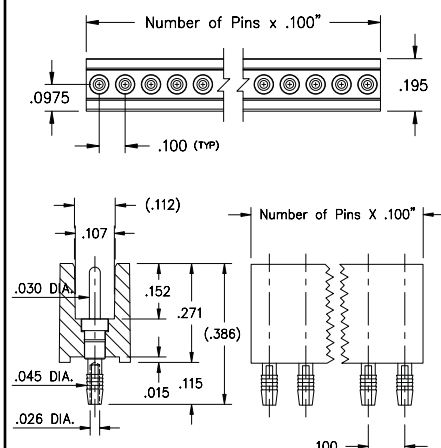


Fig. 3

For Electrical, Mechanical & Environmental Data, See pg. 4

XX=Plating Code See Below

For RoHS compliance select ◇ plating code.

SPECIFY PLATING CODE XX=

10◇

40◇

Pin Plating



10μ" Au

200μ" Sn