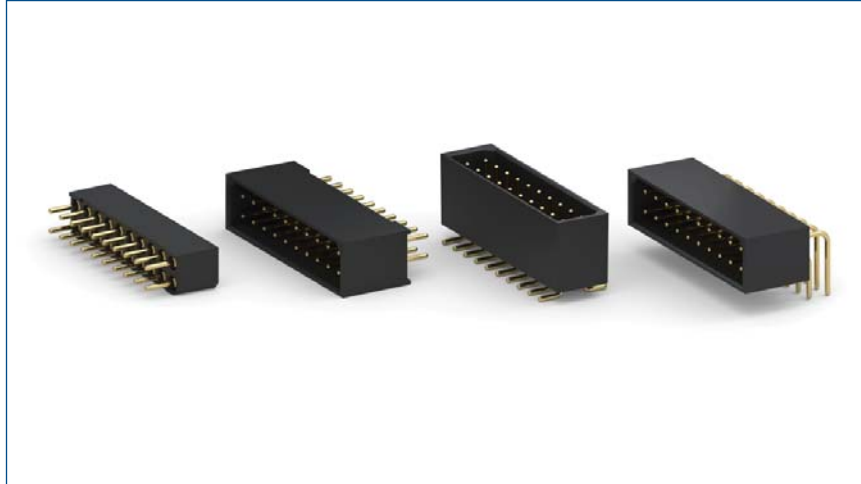


MAXIMUM SOLUTIONS

2mm Shrouded Male Connectors from Mill-Max



Mill-Max adds 2mm pitch products to our family of shrouded male pin connectors for higher density applications. Like our .100" pitch series, these connectors are effective where a robust, secure connection is demanded, such as frequently mated interconnects and blind mate situations. These double row connectors come in 4 to 100 pin configurations and are available in through-hole, right-angle and surface mount termination styles.

Through-hole solder tail style: [Series 832-10-XXX-10-052000](#) (XX=4 to 100 pins)

Right-angle through-hole style: [Series 832-10-XXX-20-052000](#) (XX=4 to 100 pins)

Surface mount gull wing style: [Series 832-10-XXX-30-052000](#) (XX=4 to 100 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. Mill-Max also offers a mating socket, P/N: [833-13-XXX-10-002000](#), which is keyed to provide a polarized connector pair when mated with any of the shrouded headers.

The three termination styles offer through-hole and surface mount options to address a variety of applications such as: vertical board-to-board, perpendicular board-to-board and cable- (via flex circuit) to- board. All three connectors are dual row with 2mm 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 and are gold-plated to provide a secure and reliable connection. The socket receptacles are also precision-machined and fitted with Mill-Max's high reliability contact; both components are gold-plated. These connectors are RoHS compliant and suitable for lead-free reflow processes.

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/PR640.

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INTERCONNECTS

SERIES 832 & 833 • 2mm GRID (.020" DIA. PINS), SHROUDED STRAIGHT, SURFACE MOUNT & RIGHT ANGLE • DOUBLE ROW STRIPS

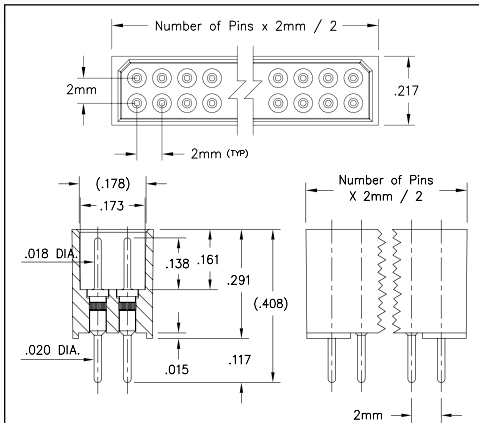


FIG. 1

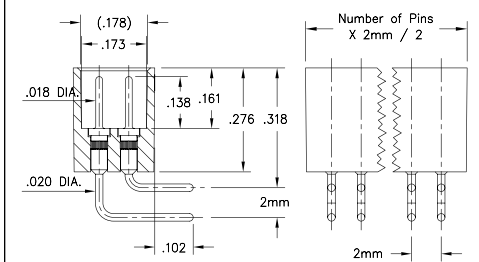


FIG. 2

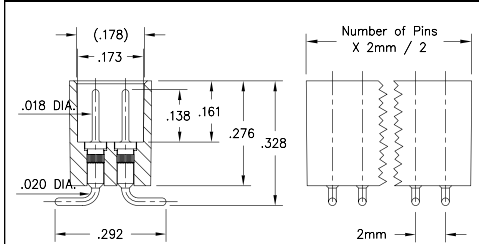


FIG. 3

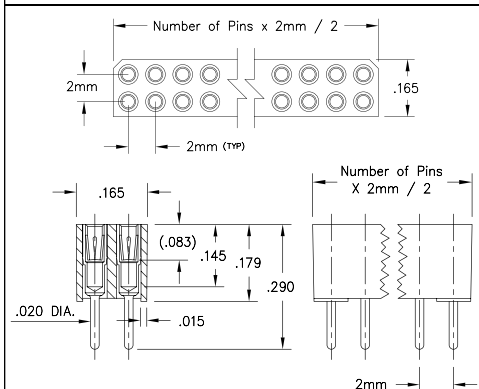
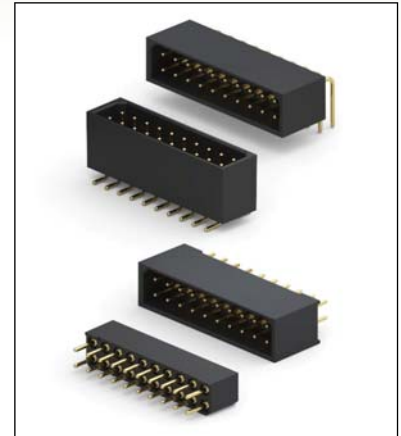


FIG. 4

- Shrouded pin interconnects available with straight Series 832...10-052 or surface mount 832...30-052 and use MM #3143 pins. Series 832...20-052 right angle interconnects use MM #3160 and #3161 pins. See page 214 for details
- Series 833...10-002 with keying features use MM #1802 and accept pin diameters from .015"-.025". See page 169 for details
- Receptacles use Hi-Rel, Low force, 4-finger BeCu #30 contact rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION




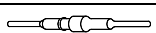





FIG. 1	Series 832...10-052	Straight Pin Header
	832-10-____-10-052000	
	Specify number of pins	004-100
FIG. 2	Series 832...20-052	Right Angle Pin Header
	832-10-____-20-052000	
	Specify number of pins	004-100
FIG. 3	Series 832...30-052	Surface Mount Pin Header
	832-10-____-30-052000	
	Specify number of pins	004-100
  		
SPECIFY PLATING CODE XX=		
Pin Plating	 10 μ" Au	

FIG. 4	Series 833...10-002	Double Row Keying Socket
	833-13-____-10-002000	
	Specify number of pins	004-100
  		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)	 10 μ" Au	
Contact (Clip)	 30 μ" Au	