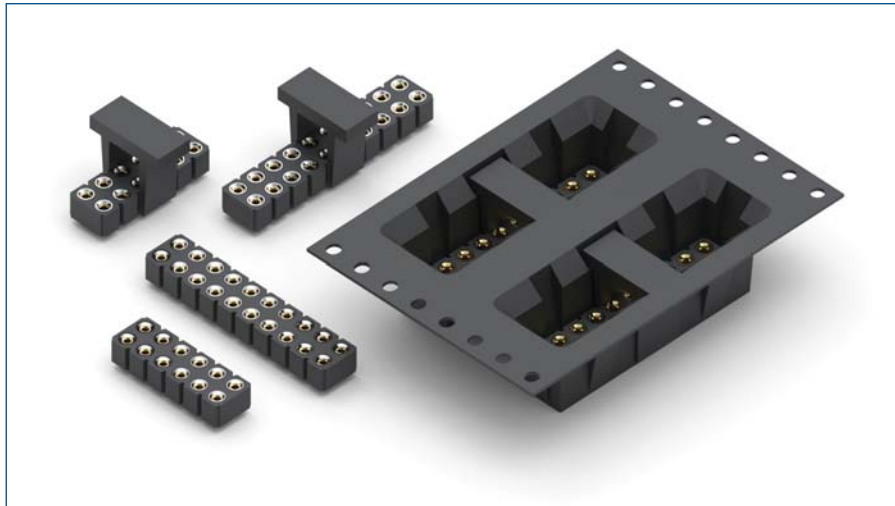


# MAXIMUM SOLUTIONS

## Mill-Max's Highly Reliable, Precision-Machined Double Row SMT Sockets Packaged on Tape and Reel



The new **406 series** SMT socket strip from Mill-Max is ideal for socketing leaded IC devices on SMT boards and for low profile board stacking applications. The connector is dual row, .100" (2,54 mm) pitch, accepts standard IC leads and when used in combination with SMT or through-hole headers, provides a reliable interconnect solution. It offers a low-profile height of 0.146" (3,71mm) from the board surface and, when mated with a Mill-Max 429 Series SMT header, provides a board-to-board height of 0.300" (7,62mm). Secure mating is established and maintained by four-finger contacts inside each precision-machined receptacle body.

The pin base of **406 Series** sockets is only 0.029" (0,74mm) in diameter, allowing for a small PCB pad size and more space for routing traces. A co-planarity of 0.005" (0,13mm) is achieved for up to 20 positions, and standard designs are available in 4- to 20-position configurations. These sockets are manufactured with high-temperature insulators and are compatible with all SMT soldering techniques, including RoHS-compliant environments. The connectors are packaged 335 pieces per 13" reel and fitted with a vacuum pick-up cap for enhanced accuracy and efficiency during pick-and-place assembly manufacturing.

For more information on the 406 Series and the complete line of precision-machined interconnects from Mill-Max, please visit: [www.mill-max.com/PR642](http://www.mill-max.com/PR642).

(10/13 -- PR642)

# INTERCONNECTS

## SERIES 329, 340, 406, 414, 429 • .100" GRID SURFACE MOUNT HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

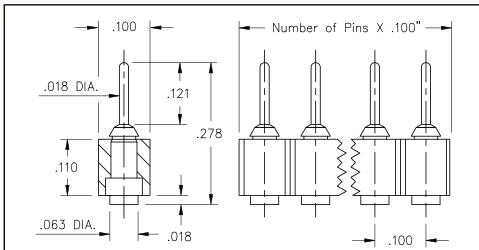


FIG. 1

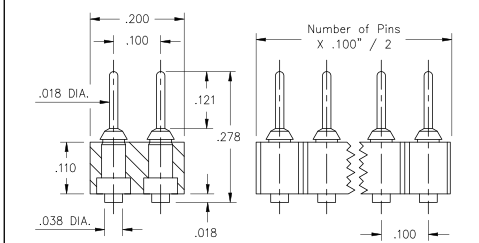


FIG. 2

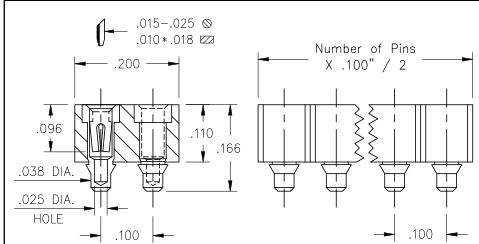
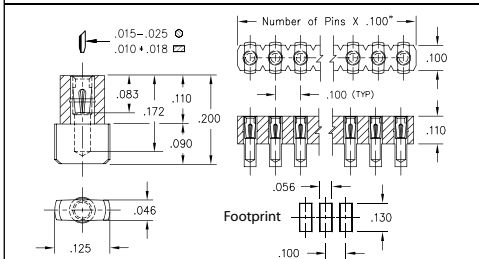


FIG. 3



Coplanarity .005". For pin counts >24 positions, consult Technical Support.

FIG. 4

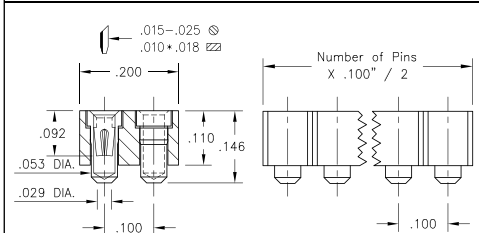
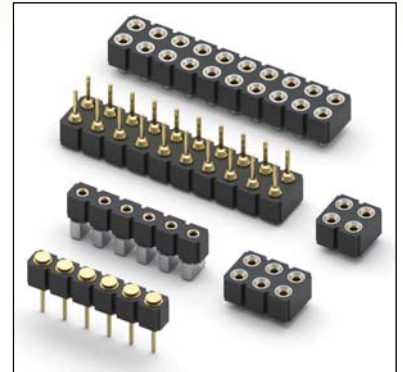


FIG. 5

- Series 329 and 429 pin interconnects feature space saving, pad style SMT termination using MM #2956-X pins. See page 218 for details
- Series 429 and 414 combine for a mated height of .323"
- Series 340, 406 and 414 surface mount sockets use MM #4078, #0668 and #1434 receptacles. See pages 162, 164 and 167 for details
- Series 340, 406 and 414 receptacles use Hi-Rel, 4-finger BeCu #30 contacts rated at 3 amps. Receptacles accept .015"-.025" diameter pins. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



### ORDERING INFORMATION

FIG. 1	<b>Series 329...560</b> <b>Single Row Surface Mount Pin Header</b>
	329-10-1__-00-560000 Specify number of pins     ↑     02-64
FIG. 2	<b>Series 429...560</b> <b>Double Row Surface Mount Pin Header</b>
	429-10-2__-00-560000 Specify number of pins     ↑     04-72
<b>SPECIFY PLATING CODE XX=</b> 10     ◆	
Pin Plating          10 μ" Au	
FIG. 3	<b>Series 414...117</b> <b>Double Row Surface Mount Socket</b>
	414-XX-2__-41-117000 Specify number of pins     ↑     04-72
FIG. 4	<b>Series 340...780</b> <b>Single Row Surface Mount Socket</b>
	340-XX-1__-30-780100 Specify number of pins     ↑     02-64
FIG. 5	<b>Series 406...068</b> <b>Double Row Surface Mount Socket</b>
	406-43-2__-30-068000 Specify number of pins     ↑     04-20
	<b>Tape and Reel Packaging</b>
<b>Ordering Information:</b> 406-43-2XX-30-068001	
Available on 44mm wide tape, 355 parts per 13" reel     ←	
<b>XX=Plating Code See Below</b> <i>For Electrical, Mechanical &amp; Environmental Data, See page 264</i>	
<b>SPECIFY PLATING CODE XX=</b> 99     41     ◆     43     ◆     44     ◆	
Sleeve (Pin)	200 μ"Sn/Pb     200 μ"Sn     200 μ"Sn     200 μ"Sn
Contact (Clip)	100 μ"Sn/Pb     10 μ" Au     30 μ" Au     100 μ"Sn

