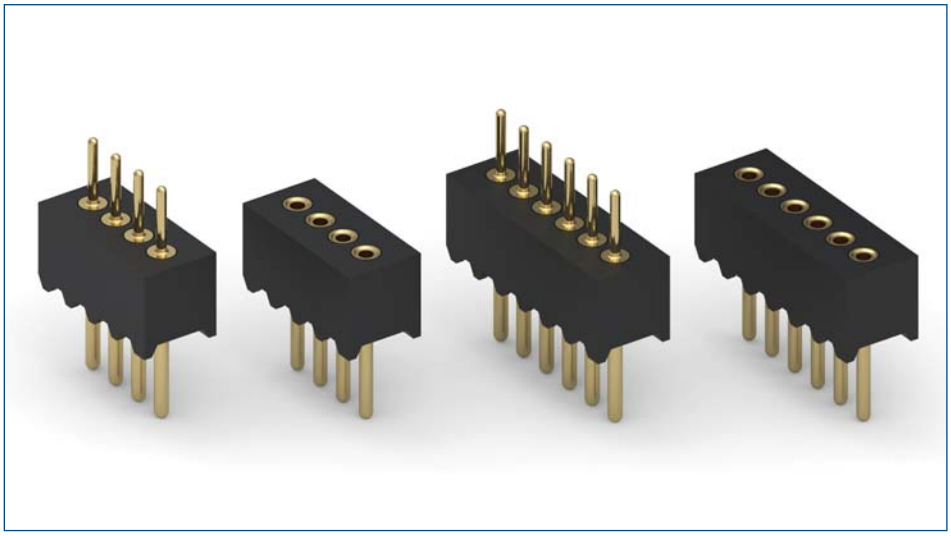
MAXIMUM SOLUTIONS

1 mm Pitch Header and Socket Strips



Mill-Max is pleased to announce new additions to our line of fine pitch connectors with the introduction of 1 mm pitch headers and sockets. These through-hole, single row sockets and headers are ideal for real estate saving interconnect solutions. The 860-10-0XX-10-002000 header and 861-13-0XX-10-002000 socket (XX=2 to 50) join our 1.27 mm (.050"); 1.778 mm (.070") and 2 mm (.0787") pitch interconnect offerings.

These connectors are through-hole soldered to the PCB, providing support and durability for applications requiring multiple insertions and extractions. The 860 series header and 861 series socket have solder tail diameters of .015" (.38 mm) and .014" (.36 mm) respectively. These tail diameters allow for smaller PCB holes resulting in greater clearance between holes for routing circuitry. The insulator bodies have standoffs on the termination side of the connectors to aid in solder flow during the soldering process. The header and socket provide a mated height of .196" (4.98 mm) for board stacking applications.

The 860-10-0XX-10-002000 and 861-13-0XX-10-002000 are available in 2 -50 positions and are RoHS compliant; sockets have gold-plated shells and contacts; headers have gold-plated pins. Hard gold plating, on both the 860 series header pins (10u") and the 861 series receptacle internal contacts (30u"), provides optimum conductivity and effective wear resistance. Both connectors have high temperature insulators suitable for RoHS soldering processes.

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 contact clip with a pin acceptance range of .008"-.013" (.2 mm - .33 mm) diameter and a current rating of 2 amps.

For more information, please visit: www.mill-max.com/PR629.

(6/13 -- PR629)

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MILL-MAX®

SERIES 860 & 861 • 1mm GRID HEADERS AND SOCKETS • SINGLE ROW STRIPS

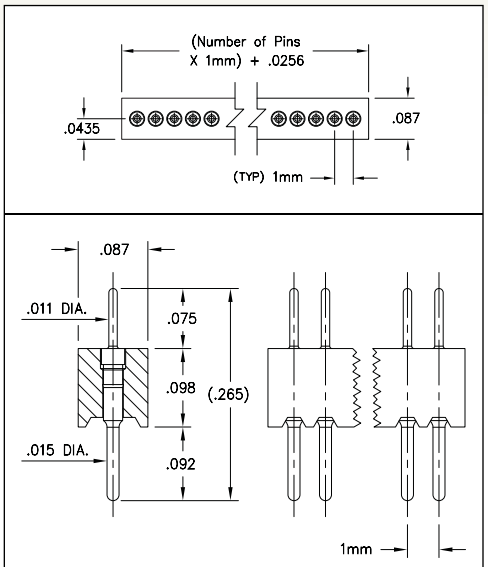


FIG. 1

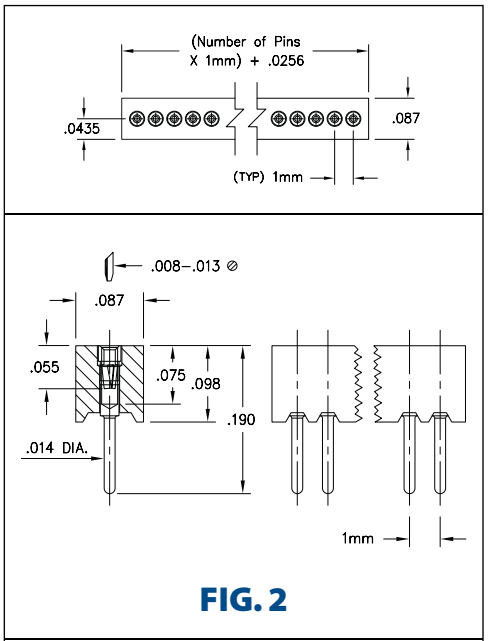
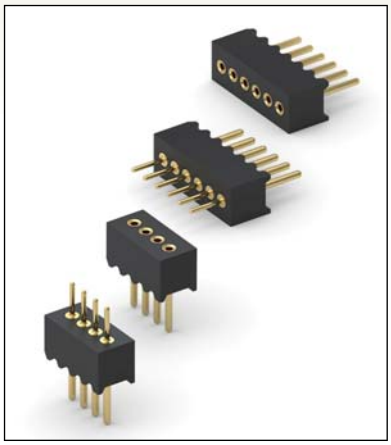


FIG. 2

- Series 860 headers and Series 861 sockets are single row, 1mm pitch interconnects rated at 2 amps
- Series 860 headers have .015" diameter solder tails and .011" diameter pluggable pins (MM #3039) See page 208 for details
- Series 861 sockets have .014" diameter solder tails (MM #0439). See page 156 for details
- Both 860 headers and 861 sockets are available in 2-50 position strips
- The header and socket provide a mated height of .196" for board stacking applications
- Insulators are high temperature thermoplastic, suitable for most soldering processes, and feature standoffs to promote solder flow



ORDERING INFORMATION

FIG. 1 — **Series 860...002** — **Single Row 1mm Header**

860-10-0_ _-10-002000

Specify number of pins ↑ 02-50

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			

FIG. 2 — **Series 861...002** — **Single Row 1mm Socket**

861-13-0_ _-10-002000

Specify number of pins ↑ 02-50

RoHS-2 2011/65/EU

XX=Plating Code See Below

For Electrical, Mechanical & Enviromental Data, See page 264

SPECIFY PLATING CODE XX=	13 ◆						
Sleeve (Pin)	10 µ" Au						
Contact (Clip)	30 µ" Au						

Mouser Electronics

Authorized Distributor

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Mill-Max:

860-10-045-10-002000 860-10-046-10-002000 860-10-021-10-002000 860-10-023-10-002000 860-10-025-10-002000 860-10-033-10-002000 860-10-019-10-002000 860-10-028-10-002000 860-10-043-10-002000 860-10-029-10-002000 860-10-030-10-002000 860-10-031-10-002000 860-10-039-10-002000 860-10-049-10-002000 860-10-037-10-002000 860-10-038-10-002000 860-10-034-10-002000 860-10-042-10-002000 860-10-020-10-002000 860-10-024-10-002000 860-10-041-10-002000 860-10-015-10-002000 860-10-040-10-002000 860-10-047-10-002000 860-10-048-10-002000 860-10-011-10-002000 860-10-035-10-002000 860-10-036-10-002000 860-10-027-10-002000 860-10-044-10-002000