MAXIMUM SOLUTIONS

Solder Cup Spring Pin Header Strips

Mill-Max has developed a convenient and reliable method to make connections between wires and mating components such as P.C. boards, batteries or other cable assemblies with our new single and double row solder cup spring pin header strips.

These solder cup spring pin headers are ideal for wire termination in both test and field applications where stack up tolerances or blind-mating can be a challenge. Each spring pin provides .0275" (.6985mm) of mid-stroke compression (.055" (1,397mm) maximum compression) and is rated for one million cycles.

Uniform orientation of the solder cups makes it easy to solder your cable or discrete wires to the spring pins by eliminating the need to manipulate the wires or the connector to solder each wire. The solder cup is sized to accommodate up to a 22 AWG wire. Once the wires are securely soldered in the cups you have a wired spring-loaded assembly; a perfect interface solution for discreet wire to board, cable to board or cable to cable applications where tolerance stack ups demand the versatility and forgiveness of a spring-loaded connection.

Gold-plated brass components and beryllium copper springs ensure the highest conductivity, corrosion resistance and durability. 824 & 826 series headers feature spring -loaded pins rated at 3 amps maximum (2 amps continuous use,) high temperature Nylon 46 insulators and are available from 2-64 positions single row and 4-64 double row.

As a compliment to the 824 & 826 series connectors Mill-Max offers a line of target connectors to act as the mating surface for the spring-loaded plungers. Target connectors are available in through-hole and SMT (319 series single row, 419 series double row), right angle (399…10-008 single row, 499…10-008 double row) and with solder cup terminations for cable to cable applications (330 series single row, 430 series double row.)

For more information, please visit www.mill-max.com/PR618.

(7/14 -- PR618)

Mill-Max Mfg. Corp. • 190 Pine Hollow Road, Oyster Bay, NY 11771
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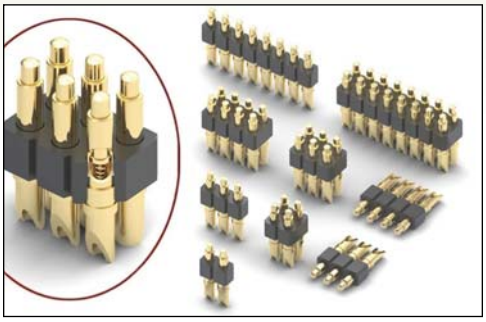
MILL-MAX®

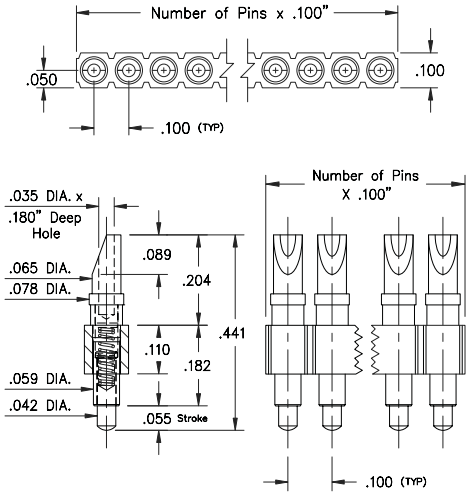
SPRING-LOADED CONNECTORS

SERIES 824 & 826 • .100" GRID SOLDERCUP HEADER • SINGLE AND DOUBLE ROW STRIPS

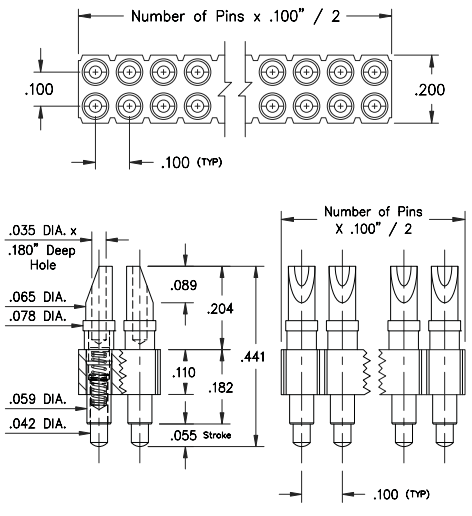


- Modular contacts for use on .100" grid, supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a .0275" mid. stroke and a .055" max. stroke
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- Insulators are high temperature thermoplastic
- Both 824 & 826 series strips have spring pins with wire termination soldercups. The soldercups are aligned to provide easy access for soldering up to size 22 AWG wires

SINGLE ROW Series 824



DOUBLE ROW Series 826



ORDERING INFORMATION

Single Row Series 824

824-22-0XX-00-001000

Specify number of contacts 01-64

Double Row Series 826

826-22-0XX-00-001000

Specify number of contacts 04-72

Technical Specifications

Materials:

Contact piston & base: Machined copper alloy plated 20µ" gold over 100µ" nickel
Spring: Beryllium copper-plated 10µ" gold
Insulator: High temperature thermoplastic, rated UL94 V-0

Mechanical:

Spring force @ initial height: 25 grams
Spring force @ mid stroke (.0275"): 60 grams
Durability: 1,000,000 cycles

Electrical:

Voltage rating: 100Vrms/150Vdc
Current rating: 2A (continous), 3A (peak) per contact
Contact resistance: 20mΩ max.
Insulation resistance: 10,000MΩ min.
Dielectric strength: 700Vrms min.
Capacitance: 1pF max.

RoHS-2 2011/65/EU

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