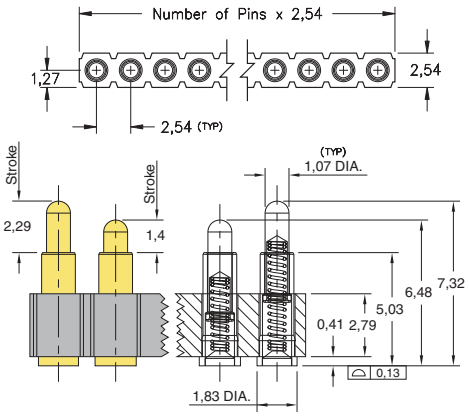
SPRING-LOADED CONNECTORS

SERIES 812 & 814 • 2,54 GRID SURFACE MOUNT, FIRST MATE/LAST BREAK • SINGLE AND DOUBLE ROW STRIPS

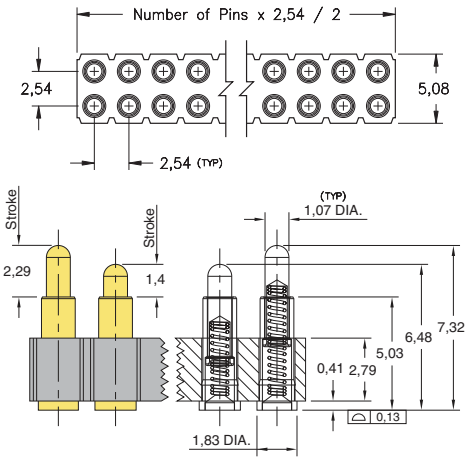
- Modular contacts for use on 2,54 grid, supplied in single and double row contact strips
- Taller pins in the end positions make contact first and break contact last to address applications where connection sequence is required
- The 0913-0 pin has a full stroke capability of 2,29, allowing all pins to be compressed to their rated mid stroke while accounting for the 0,84 initial height offset of the 0913-0 (7,32) and 0907-0 (6,48)
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- 0907-0 spring pins have 0,7 mid stroke and 1,4 max. stroke, 0913-0 spring pin have 1,14 mid stroke and 2,29 max. stroke
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- Insulators are high temperature thermoplastic

SINGLE ROW Series 812



Coplanarity 0,13. For Pin Counts >10 positions consult Technical Support

DOUBLE ROW Series 814



Coplanarity 0,13. For Pin Counts >20 positions consult Technical Support

ORDERING INFORMATION

Single Row Series 812

812-22-0XX-30-030101

Specify number of contacts 03-10

Double Row Series 814

814-22-0XX-30-030101

Specify number of contacts 06-20

Technical Specifications

Materials:

Contact piston & base: Machined copper alloy plated 0,51µm gold over 2,54µm nickel
Spring: Beryllium copper-plated 0,25µm gold
Insulator: High temperature thermoplastic, rated UL94 V-0

Mechanical:

Spring force @ initial height (0907-0 & 0913-0): 25 grams
Spring force @ mid stroke (0907-0 & 0913-0): 60 grams
Durability: Up to 1,000,000 cycles
Coplanarity: 0,13 (Single Row up to 10 pins; Double Row up to 20 pins), For higher pin counts, contact Technical Support

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

MILL-MAX Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com