



# SPRING-LOADED CONNECTORS

## Surface Mount with Alignment pins

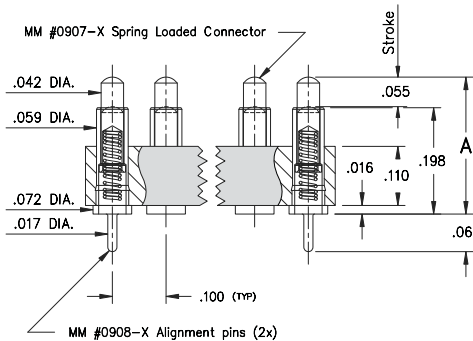
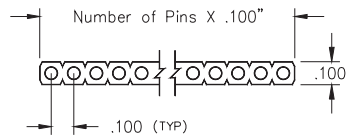
### Single and Double Row Strips

Series 812...01X101  
814...01X101

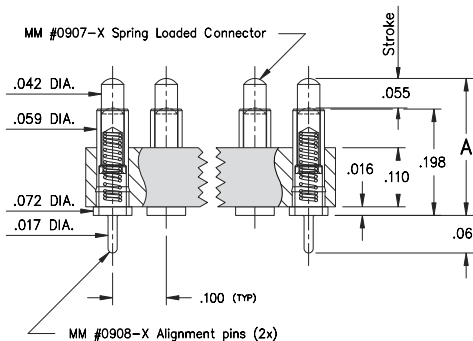
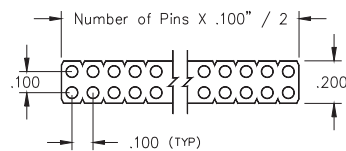
- Modular contacts for use on .100" grid, available in ten heights from .255" to .430", supplied in single and double row contact strips.
- Precision-machined piston / base and gold plated components assure a 1,000,000 min. cycle life.
- Pistons have a .0275 mid stroke & .055 max stroke.
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak.
- High temperature thermoplastic insulators are suitable for surface mount processes.
- 812 & 814 series contact strips are designed for manual placement into  $\varnothing .023 \pm .003$ " plated-throughs in the circuit board prior to intrusive reflow soldering.



### Single Row Series 812...01X101



### Double Row Series 814...01X101



### Ordering Information

#### Single Row Series 812...01X101

812-22-0XX-30-01X101

Specify # of contacts

Specify contact style 0-9

03-64

#### Double Row Series 814...01X101

814-22-0XX-30-01X101

Specify # of contacts

Specify contact style 0-9

06-72

CONTACT STYLE	INITIAL HEIGHT A	CONTACT STYLE	INITIAL HEIGHT A
0	.255	5	.350
1	.275	6	.370
2	.295	7	.390
3	.315	8	.410
4	.335	9	.430

### Technical Specifications

#### Materials:

Contact piston & Base: Machined copper alloy plated 20 $\mu$ " gold over 100 $\mu$ " nickel

Spring: Beryllium copper plated 10 $\mu$ " gold

Insulator: High temp. thermoplastic rated UL94 V-0

#### Mechanical:

Spring force @ initial height (A): 25 grams

Spring force @ mid stroke (B/2): 60 grams

Durability: 1,000,000 cycles min.

#### Electrical:

Voltage rating: 100Vrms/150Vdc

Current rating: 2A (continuous), 3A (peak) per contact

Contact resistance: 20m $\Omega$  max.

Insulation resistance: 10,000M $\Omega$  min.

Dielectric strength: 700Vrms min.

Capacitance: 1pF max.

