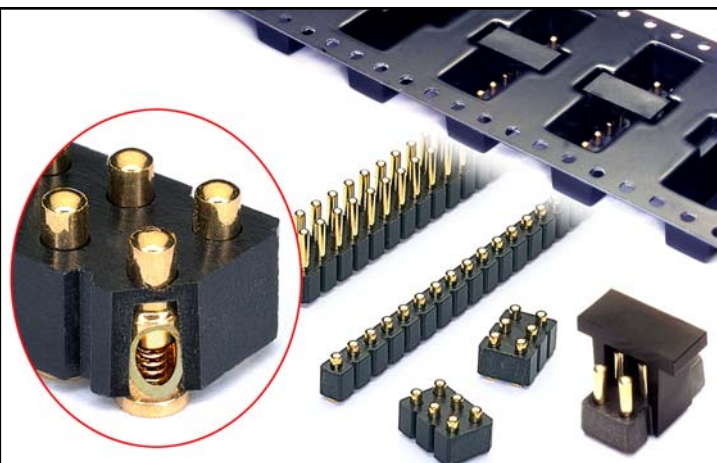
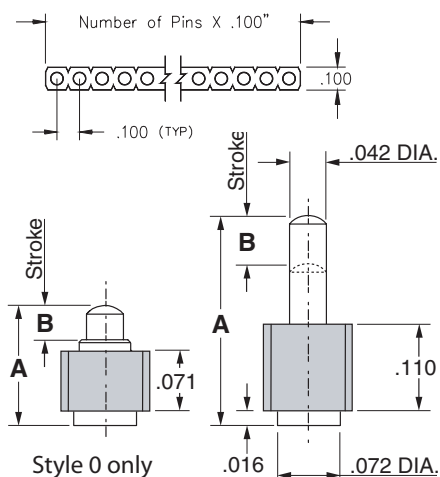


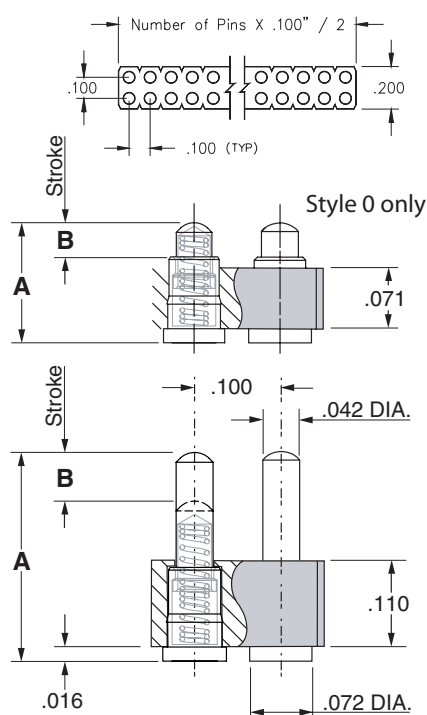
- Modular contacts for use on .100" grid, available in eight heights from .137" to .295", supplied in single and double row contact strips.
- Precision machined piston / base and gold plated components assure a 100,000 min. cycle life.
- Pistons have a long stroke relative to the low profile of the assembly.
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak.
- High temperature thermoplastic insulators are suitable for surface mount processes.
- A typical application would be as the base unit (battery/charger) interface for portable equipment such as mobile phones/radios, bar code readers, medical and test instruments.



## SINGLE ROW Series 811



## DOUBLE ROW Series 813



## Ordering Information

### Single Row Series 811

811-22-0XX-30-00X-101

Specify # of contacts

Specify contact style 0-7

01-64

### Double Row Series 813

813-22-0XX-30-00X-101

Specify # of contacts

Specify contact style 0-7

04-72

| CONTACT STYLE | INITIAL HEIGHT A | STROKE B |
|---------------|------------------|----------|
| 0             | .137             | .039     |
| 1             | .177             | .055     |
| 2             | .197             | .055     |
| 3             | .217             | .055     |
| 4             | .236             | .055     |
| 5             | .256             | .055     |
| 6             | .276             | .055     |
| 7             | .295             | .055     |

## Technical Specifications

### Materials:

Contact piston & Base: Machined copper alloy plated 20μ" gold over 100μ" nickel

Spring: Beryllium copper plated 10μ" 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

Spring force @ full stroke (B): 95 grams

Durability: 100,000 cycles min.

### Electrical:

Voltage rating: 100Vrms/150Vdc

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

Contact resistance: 20mΩ max.

Insulation resistance: 10,000MΩ min.

Dielectric strength: 700Vrms min.

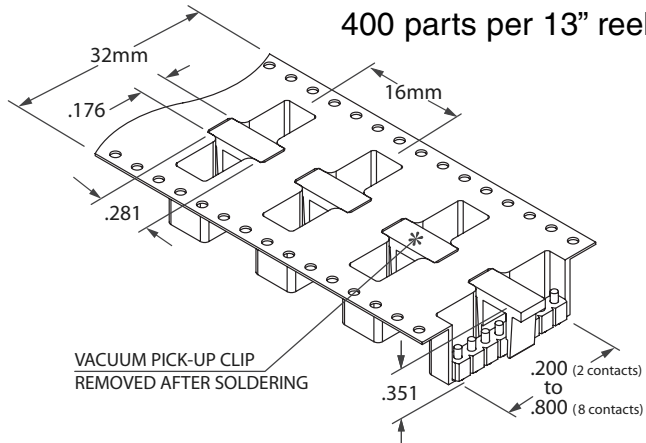
Capacitance: 1pF max.

### Ordering Information for Series 811/813 in Carrier Tape

#### Single Row Series 811

811-22-00X-30-00X-191

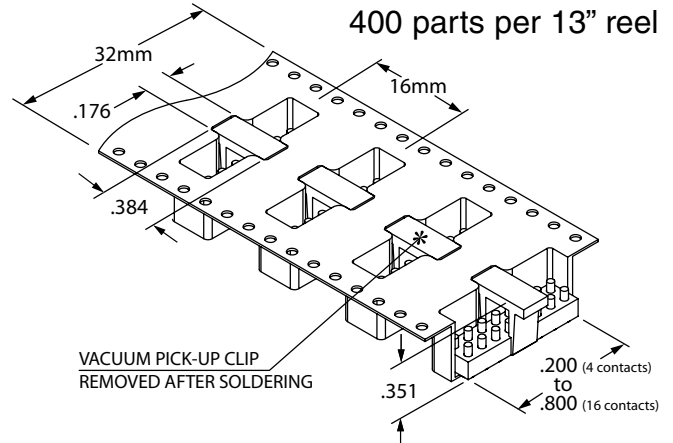
Specify # of contacts → 2-8  
Specify contact style 1-7



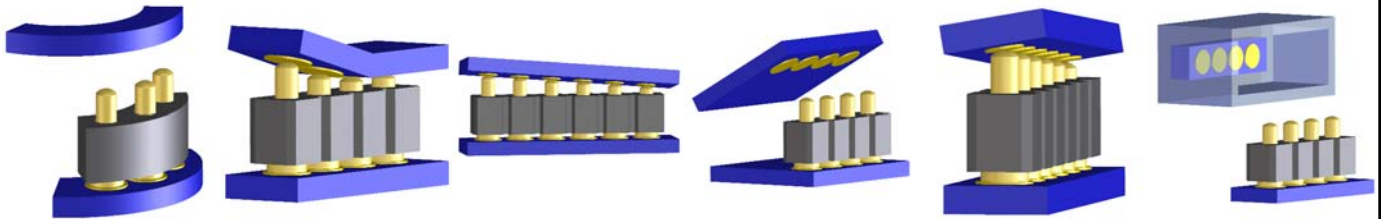
#### Double Row Series 813

813-22-0XX-30-00X-191

Specify # of contacts → 04-16  
Specify contact style 1-7



### The versatility of spring loaded contacts



### Some Typical Applications

#### Cable Termination



#### Internal Battery Connection



#### Charging Base for Portable Instruments



#### PCB Connection

