

# 3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

372 Series



- Compact design saves board space
- High number of mating cycles
- Mating latch features provide a reliable interconnection in demanding applications
- Enables easy and simple interconnecting of sensors or other devices
- Dust cap accessory available for use in harsh environments
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the “RoHS Compliance” section of [www.3Mconnector.com](http://www.3Mconnector.com) for compliance

Date Modified: September 3, 2010

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## Physical

### Insulation:

Material: Nylon  
Flammability: UL 94V-0  
Color: Black

### Contact:

Material: Copper Alloy

### Plating:

Underplating: 2.54  $\mu\text{m}$  [100  $\mu''$ ] minimum Nickel  
Wiping Area: 0.2  $\mu\text{m}$  [8  $\mu''$ ] minimum Gold with Lubricant

Soldertails: Gold Flash

**Marking:** 3M Logo, Position Indicator, Insulator Material

**Mating Compatability:** 37103, 37104, 37106, 37108 Series. Must have same number of pins per row.

## Electrical

**Current Rating:** 3.0 Amps

**Voltage Rating:** 32 Volts

**Insulation Resistance:**  $>1 \times 10^6 \sim$  at 600  $V_{DC}$

**Withstanding Voltage:** 1,000  $V_{RMS}$  at sea level

## Environmental

**Temperature Rating:** -20°C to +85°C ambient (1.0 A max.)  
-20°C to +75°C ambient (2.0 A max.)  
-20°C to +60°C ambient (3.0 A max.)  
(Note: UL rating is 65°C at 3.0A, 32V)

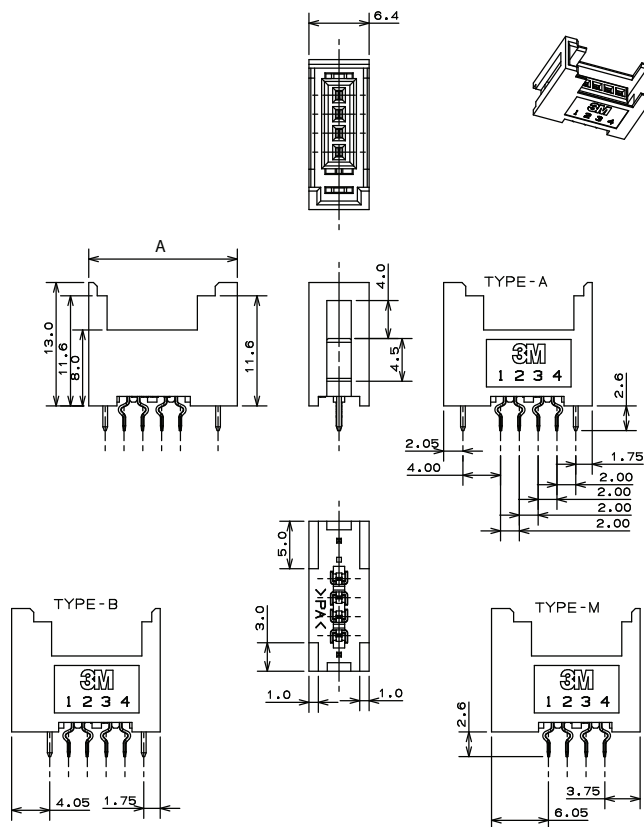
**Process Rating:** 260°C max. for wave solder reflow  
390°C max. for soldering iron

UL File No.: E68080

### 2 mm Boardmount, Straight Solder Tails

## 372 Series

### Single Row Style 3 and 4 position



Pins	A
3	13.8 [0.54]
4	15.8 [0.62]

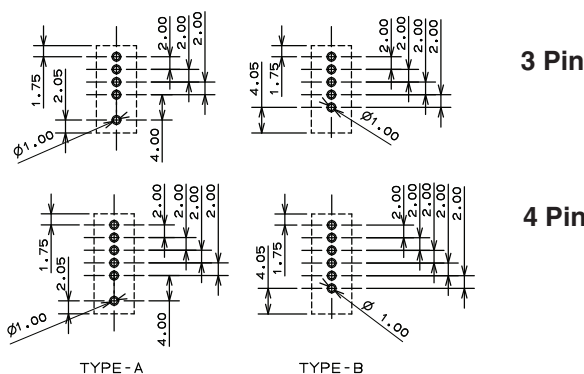
mm  
[inch]

Tolerance Unless Noted		
	0.0	0.00
mm	± .1	± .10

[ ] Dimensions for Reference only



### Recommended Hole Pattern



## Ordering Information

Available Combinations:

37203-62A3-003 PL  
37203-62B3-003 PL  
37204-62A3-004 PL  
37204-62B3-004 PL

Positions  
03 or 04

**372XX - 62X3 - 00X PL** (RIA E1 & C1 apply)

Positions / Pins per Row:  
3 or 4

Post Options:

A = 2 Asymmetric Posts  
B = 2 Symmetrical Posts

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**Electronic Solutions Division**  
**Interconnect Solutions**  
<http://www.3Mconnector.com>

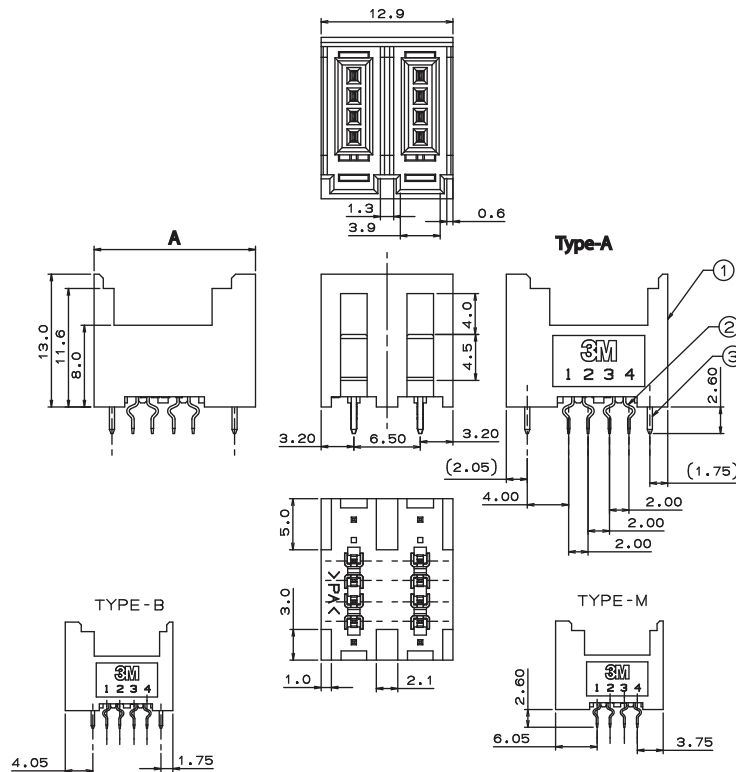
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**800-225-5373**

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## Double Row Style 6 or 8 position



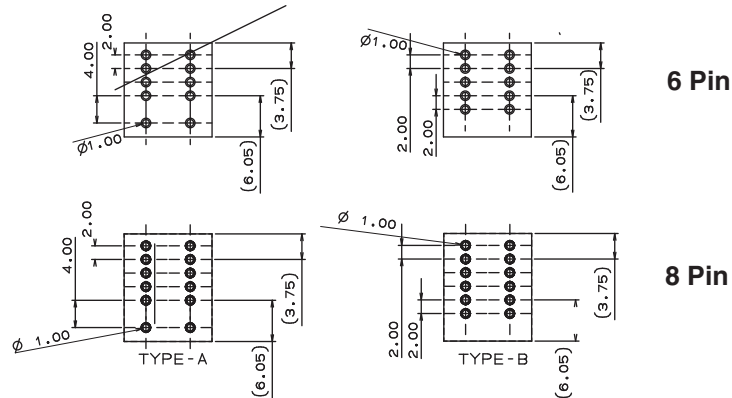
Pins	A
6	13.8 [0.54]
8	15.8 [0.62]

	mm	[inch]
Tolerance Unless Noted	0.0	0.00
mm	± .1	± .10

[ ] Dimensions for Reference only



## Recommended Hole Pattern



## Ordering Information

Available Combinations:

37206-62A3-003 PL  
37206-62B3-003 PL  
37208-62A3-004 PL  
37208-62B3-004 PL

Positions  
06 or 08

**372XX - 62X3 - 00X PL** (RIA E1 & C1 apply)

Positions / Pins per Row:  
3 or 4

Post Options:

A = 2 Asymmetric Posts  
B = 2 Symmetrical Posts

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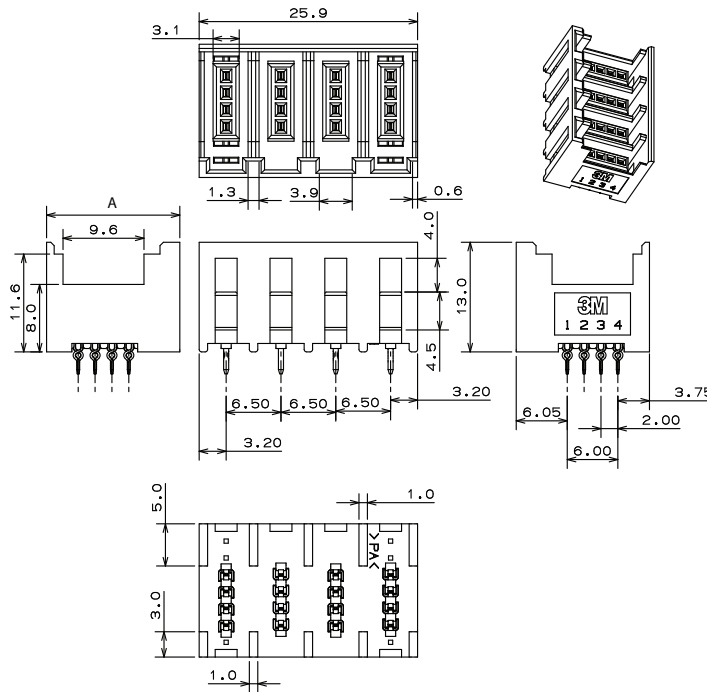
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## 2 mm Boardmount, Straight Solder Tails

## 372 Series

## Four Row Style

### 12 or 16 position



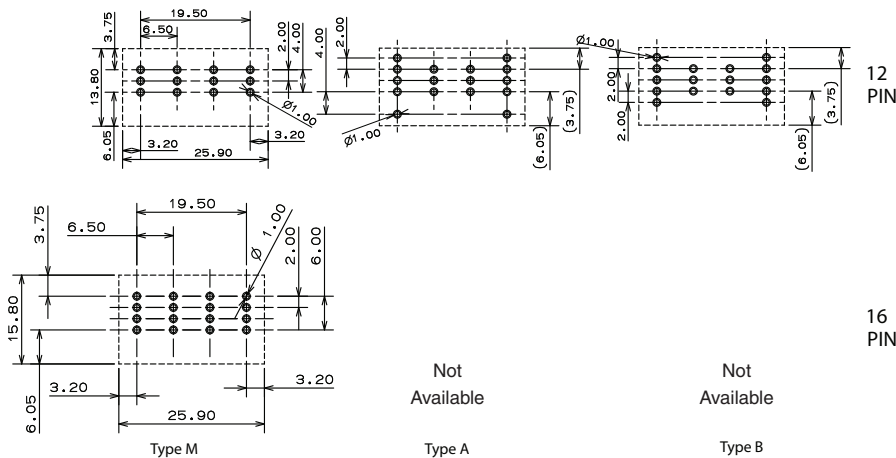
Pins	A
12	13.8 [0.54]
16	15.8 [0.62]

Tolerance Unless Noted		
	0.0	0.00
mm	± .1	± .10

[ ] Dimensions for Reference only



### Recommended Hole Pattern



## Ordering Information

Available Combinations:

37212-62M3-003 PL

37212-62A3-003 PL

37212-62B3-003 PL

37216-62M3-004 PL

Positions  
12 or 16

**372XX - 62X3 - 00X PL** (RIA E1 & C1 apply)

Post Options:

M = No Posts

A = 2 Asymmetric Posts (12 Pos. Only)

B = 2 Symmetrical Posts (12 Pos. Only)

- Positions / Pins per Row:  
3 or 4

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## Accessories

### Dust Cover Accessory



Ordering Information:  
3 pos - 37803-1000-00  
4 pos - 37804-1000-00

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