

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

Soldertails: Gold Flash

Marking: 3M Logo, Position Indicator, Insulator Material

Mating Compatibility: 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

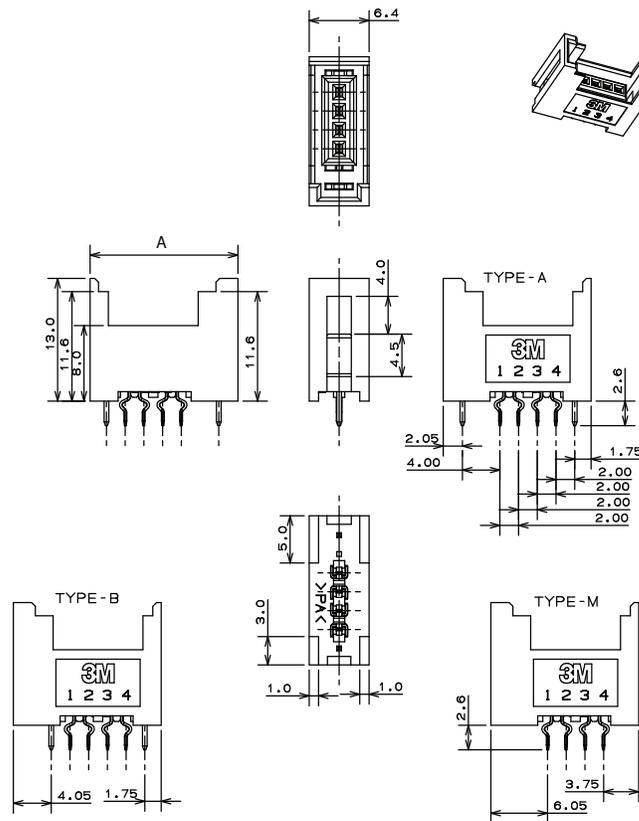
UL File No.: E68080

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372 Series

Single Row Style 3 and 4 position



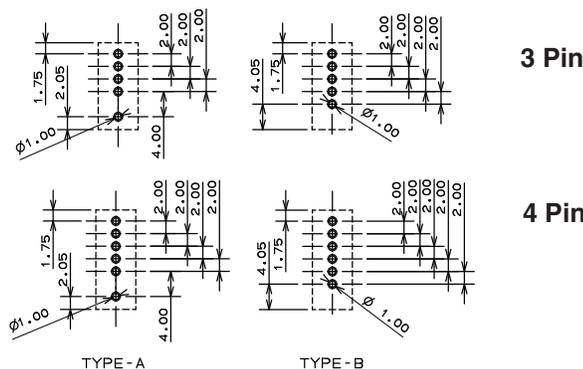
| Pins | A |
|------|-------------|
| 3 | 13.8 [0.54] |
| 4 | 15.8 [0.62] |

| mm [inch] | |
|------------------------|--------|
| Tolerance Unless Noted | |
| mm | ± .1 |
| inch | ± .010 |

[] Dimensions for Reference only



Recommended Hole Pattern



Ordering Information

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

Available Combinations:

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

Positions
03 or 04

Positions / Pins per Row:
3 or 4

Post Options:

- A = 2 Asymmetrical Posts
- B = 2 Symmetrical Posts

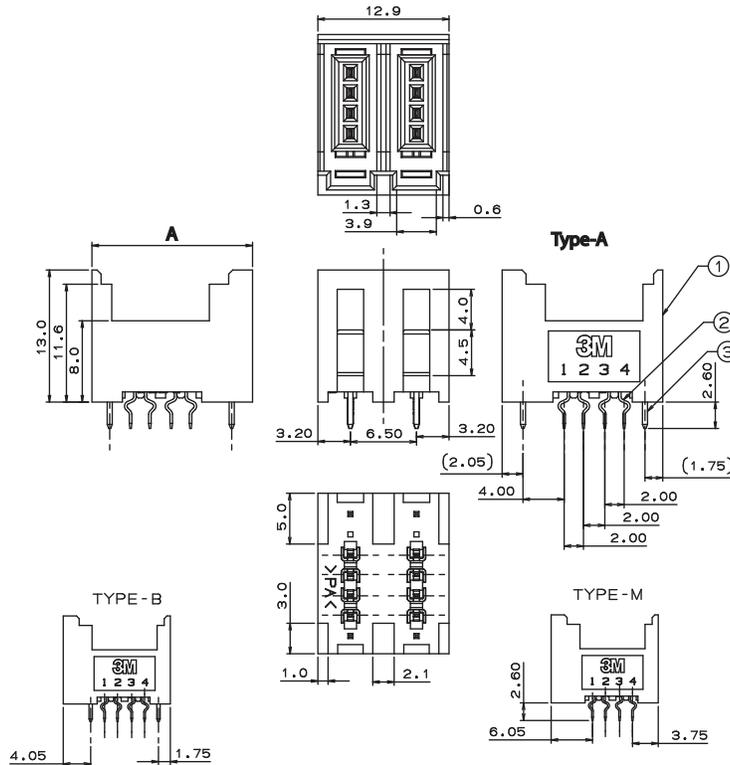
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3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

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Double Row Style 6 or 8 position



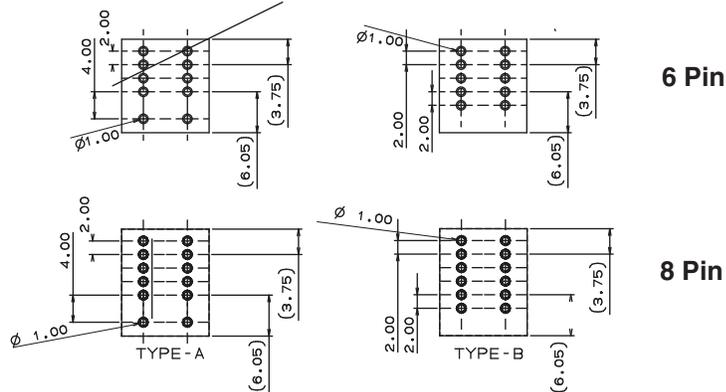
| Pins | A |
|------|-------------|
| 6 | 13.8 [0.54] |
| 8 | 15.8 [0.62] |

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

[] Dimensions for Reference only



Recommended Hole Pattern



Ordering Information

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

Available Combinations:

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

Positions
06 or 08

Positions / Pins per Row:
3 or 4

Post Options:

- A = 2 Asymmetric Posts
- B = 2 Symmetrical Posts

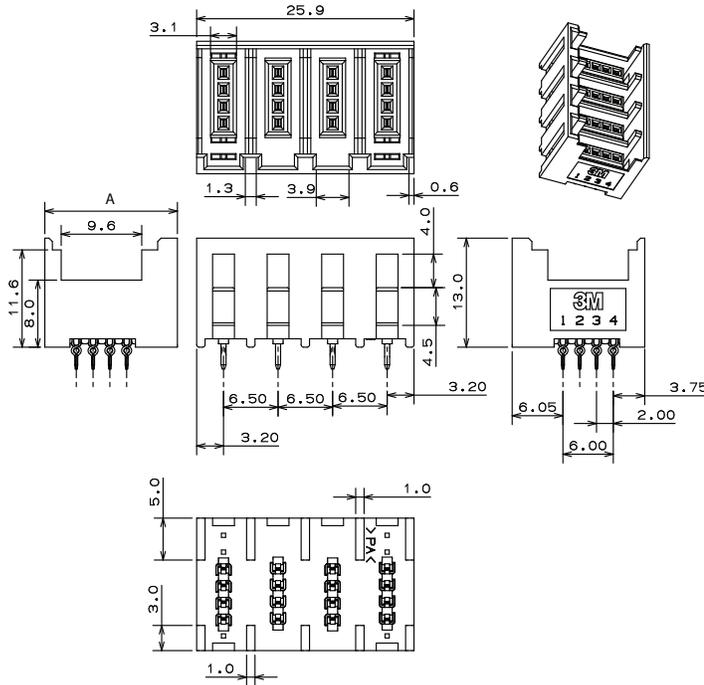
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3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

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Four Row Style 12 or 16 position

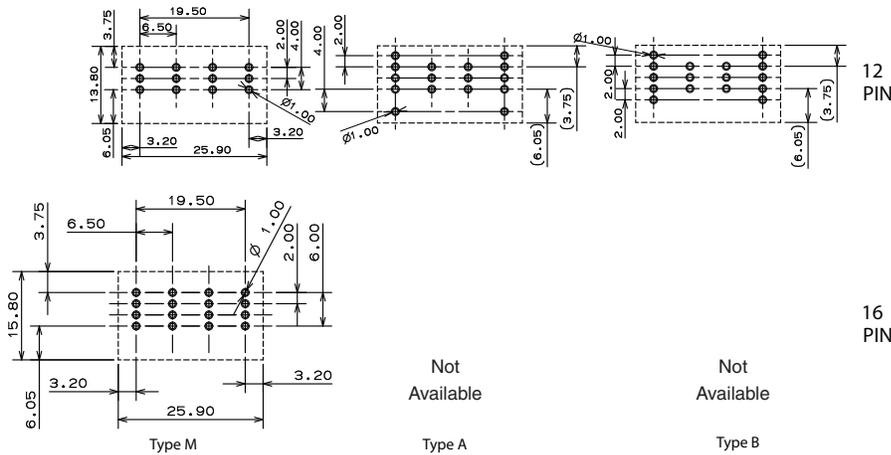


| Pins | A |
|------|-------------|
| 12 | 13.8 [0.54] |
| 16 | 15.8 [0.62] |

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

[] Dimensions for Reference only

Recommended Hole Pattern



Ordering Information

Available Combinations:

- 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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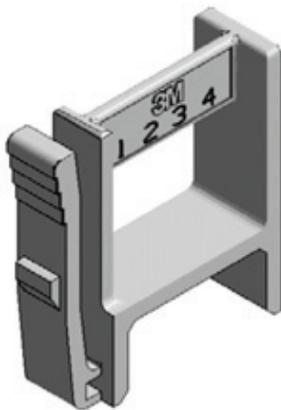
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Accessories

Dust Cover Accessory



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

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Important Notice

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