

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
- For regulatory information about this product, contact your 3M representative

Date Modified: May 9, 2025

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Physical

Insulation:

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

Contact:

Material: Copper Alloy

Plating:

Underplating: 2.54 μm [100 μ''] minimum Nickel
Wiping Area: 0.2 μm [8 μ''] minimum Gold with Lubricant
Solder tails: Gold Flash

Marking: 3M Logo, Position Indicator, Insulator Material

Mating Compatibility: 3710X and 37A0X Series. Must have same number of pins per row.

Electrical

Current Rating: 3.0 Amps

Voltage Rating: 32 Volts

Insulation Resistance: $>1 \times 10^6 \Omega$ 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

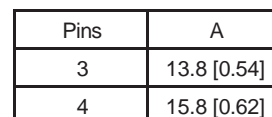


Display and Electronics

www.3M.com/factoryautomation

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For technical, sales or ordering information call
800-251-8634

372 Series



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

[] Dimensions for Reference only



372XX - 62X3 - 00X PL

Positions
03 or 04

A = 2 Asymmetric Posts
B = 2 Symmetrical Posts

Positions / Pins per Row:
3 or 4

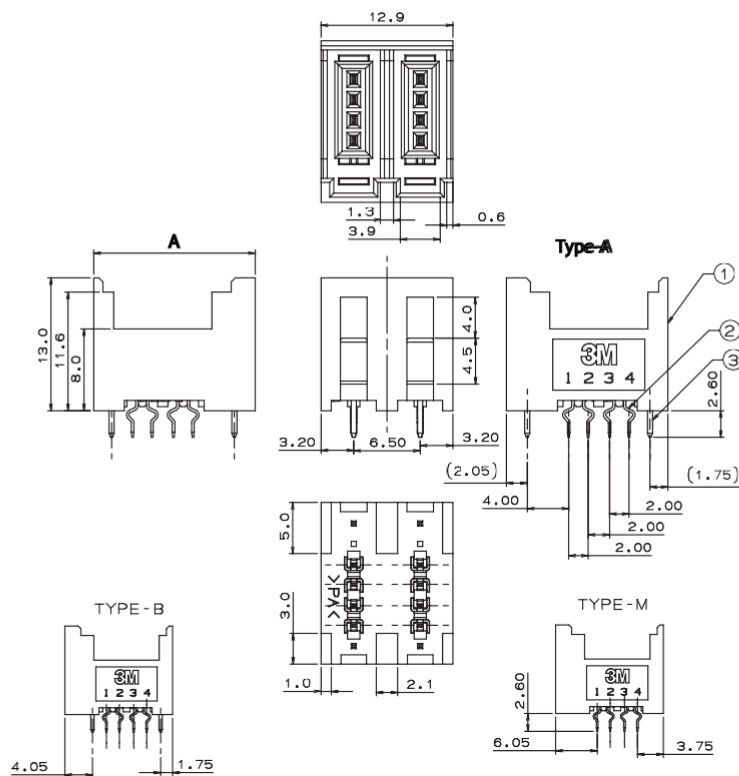
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Double Row Style

6 or 8 position



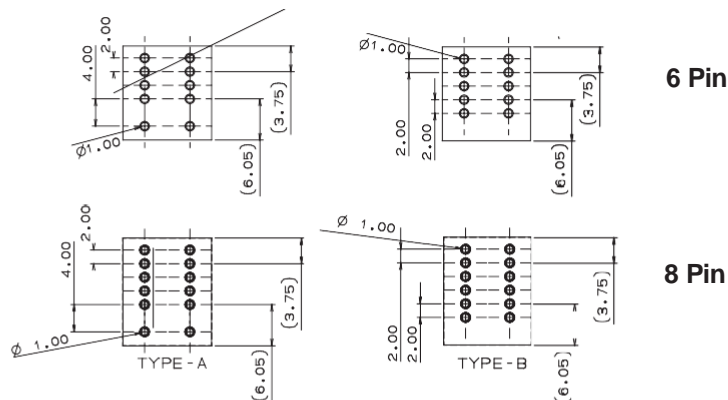
Pins	A
6	13.8 [0.54]
8	15.8 [0.62]

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

Post Options:

A = 2 Asymmetric Posts

B = 2 Symmetrical Posts

Positions / Pins per Row:

3 or 4

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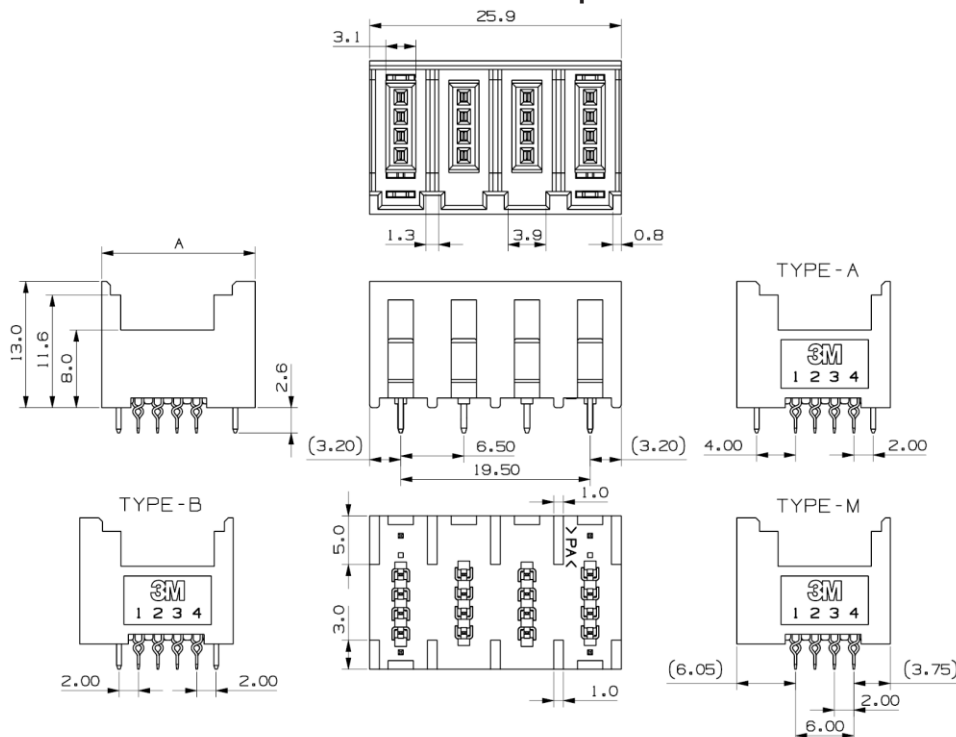
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3M™ Mini-Clamp Socket

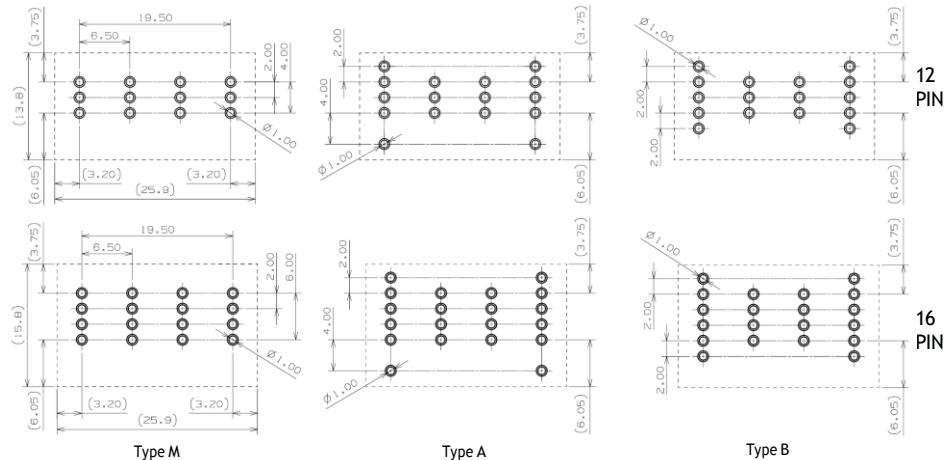
2 mm Boardmount, Straight Solder Tails

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Four Row Style 12 or 16 position



Recommended Hole Pattern



Ordering Information

Available Combinations:

37212-62M3-003 PL
37212-62A3-003 PL
37212-62B3-003 PL
37216-62M3-004 PL
37216-62A3-004 PL
37216-62B3-004 PL

Positions
12 or 16

372XX - 62X3 - 00X PL

Post Options:

M = No Posts
A = 2 Asymmetric Posts
B = 2 Symmetrical Posts

Positions / Pins per Row:
3 or 4

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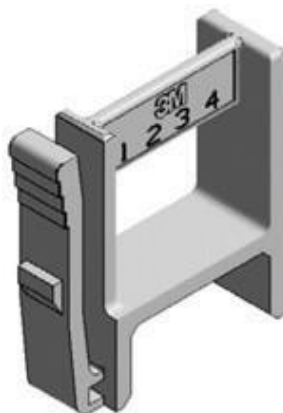
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Accessories

Dust Cover Accessory



Ordering Information:

3 pos - 37803-1000-00

4 pos - 37804-1000-00

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