

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

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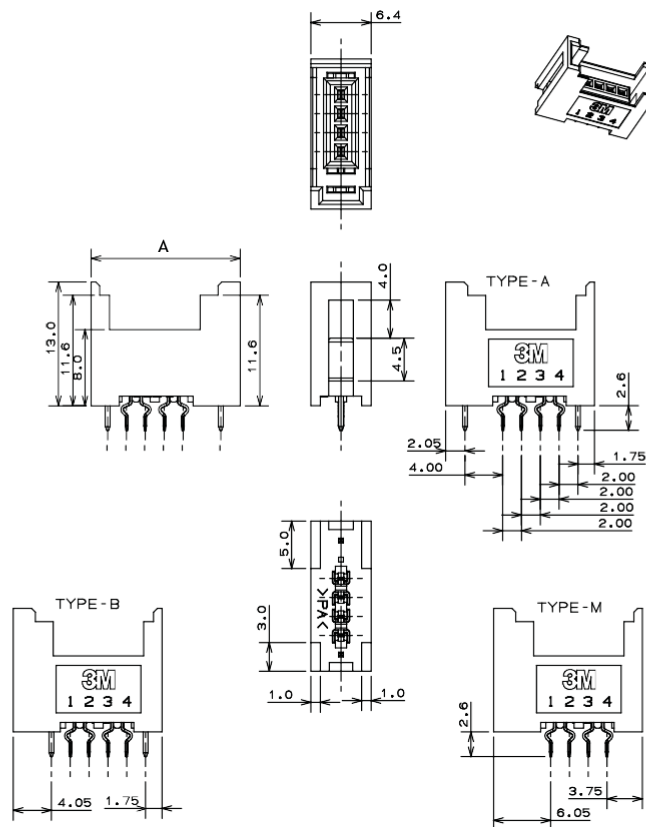
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800-251-8634

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Single Row Style 3 and 4 position



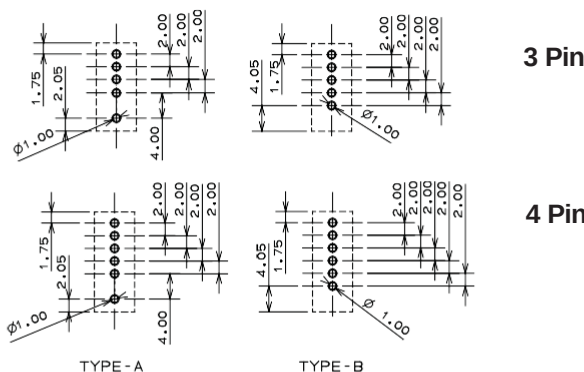
Pins	A
3	13.8 [0.54]
4	15.8 [0.62]

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

Post Options:

A = 2 Asymmetric Posts
B = 2 Symmetrical Posts

Positions / Pins per Row:
3 or 4

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372 Series



The image contains two technical drawings of connector types. The top drawing is labeled '6 Pin' and shows a rectangular connector with 6 pins arranged in two rows of three. Dimensions include a width of 4.00, a height of 2.00, a pin diameter of $\phi 1.00$, a pin pitch of 2.00, a total width of 6.05, and a total height of 3.75. The bottom drawing is labeled '8 Pin' and shows a rectangular connector with 8 pins arranged in two rows of four. Dimensions include a width of 4.00, a height of 2.00, a pin diameter of $\phi 1.00$, a pin pitch of 2.00, a total width of 6.05, and a total height of 3.75. The drawings are labeled 'TYPE-A' and 'TYPE-B' respectively.

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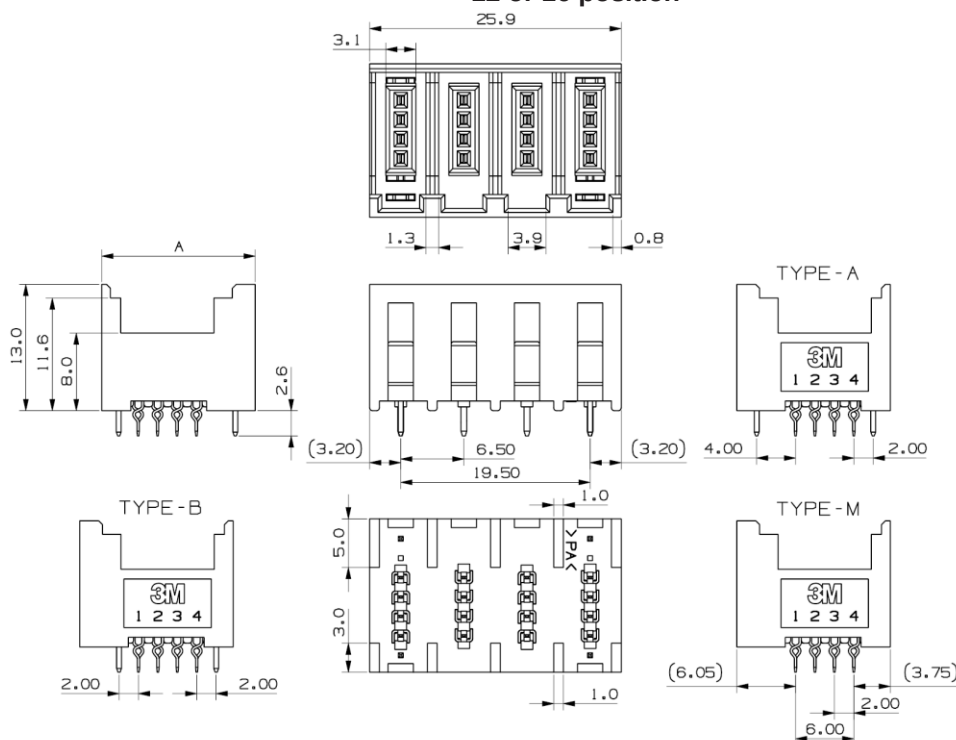
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Four Row Style

12 or 16 position

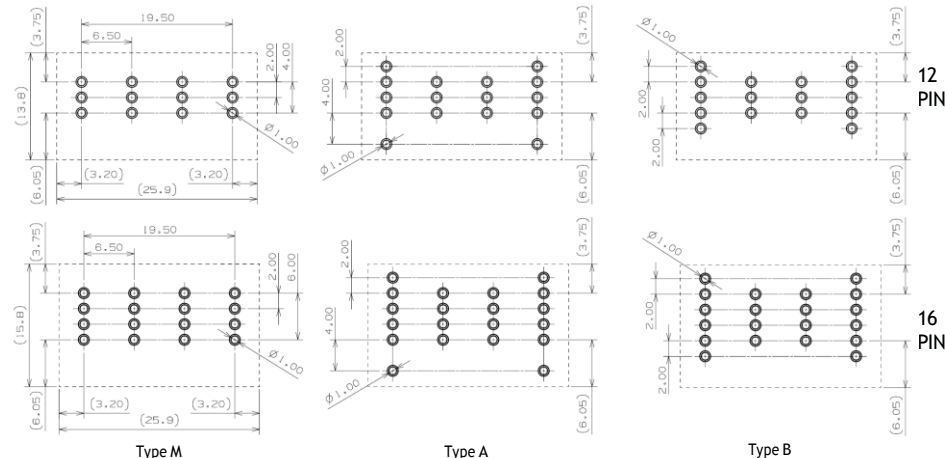


Pins	A
12	13.8 [0.54]
16	15.8 [0.62]

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

[] Dimensions for Reference only

Recommended Hole Pattern



Ordering Information

372XX - 62X3 - 00X PL

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

Post Options:
M = No Posts
A = 2 Asymmetric Posts
B = 2 Symmetrical Posts

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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Regulatory: For regulatory information about this product, contact your 3M representative.

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