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

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
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 x 10^6 ~ at 600 V_{DC}
Withstanding Voltage:	1,000 V_{RMS} at sea level

Environmental

Temperature Rating:	-20ºC to +85ºC ambient (1.0 A max.) -20ºC to +75ºC ambient (2.0 A max.) -20ºC to +60ºC ambient (3.0 A max.) (Note: UL rating is 65ºC at 3.0A, 32V)
Process Rating:	260ºC max. for wave solder reflow 390ºC max. for soldering iron

UL File No.: E68080

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

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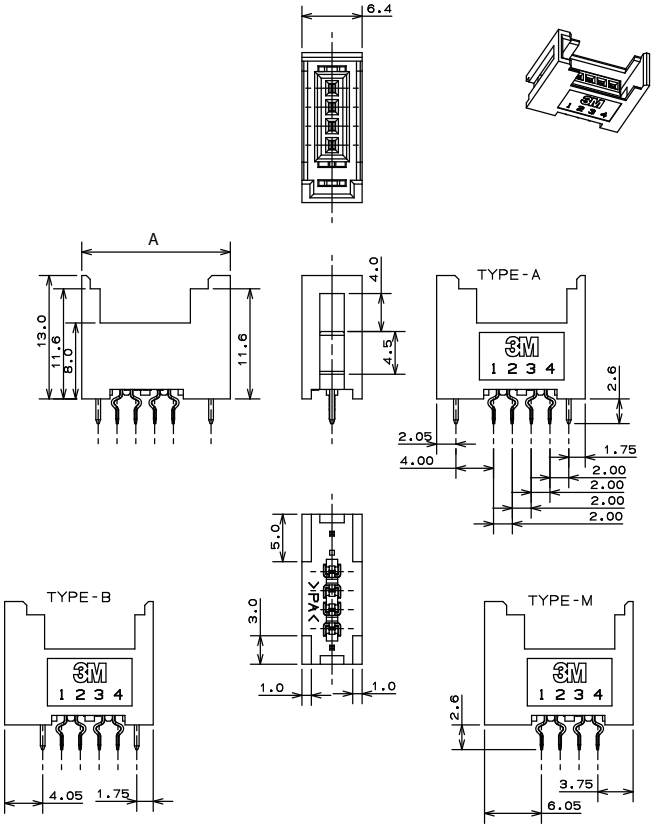
For technical, sales or ordering information call
800-225-5373

3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

372 Series

Single Row Style
3 and 4 position



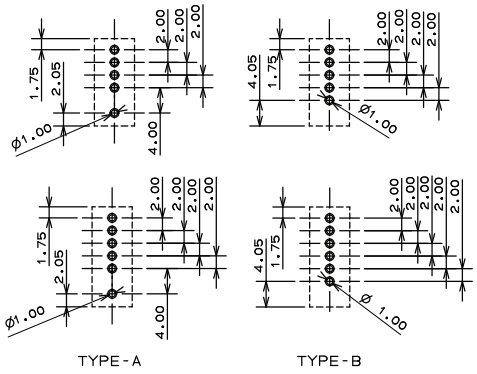
Pins	A
3	13.8 [0.54]
4	15.8 [0.62]

mm
[inch]

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

[ ] Dimensions for Reference only

Recommended Hole Pattern



Ordering Information

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

Post Options:
A = 2 Asymmetric Posts
B = 2 Symmetrical Posts

Positions / Pins per Row:
3 or 4

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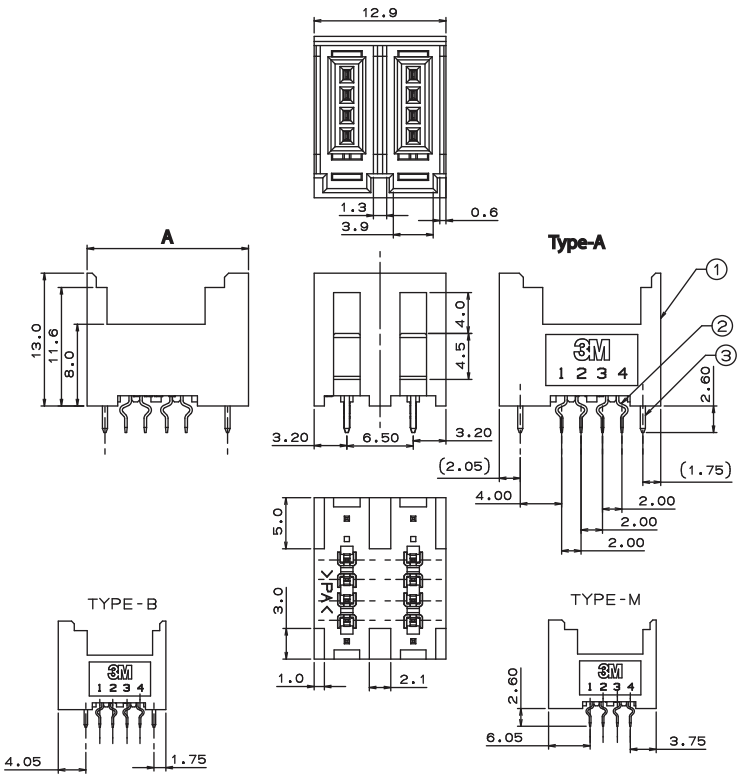
3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

372 Series

Double Row Style
6 or 8 position



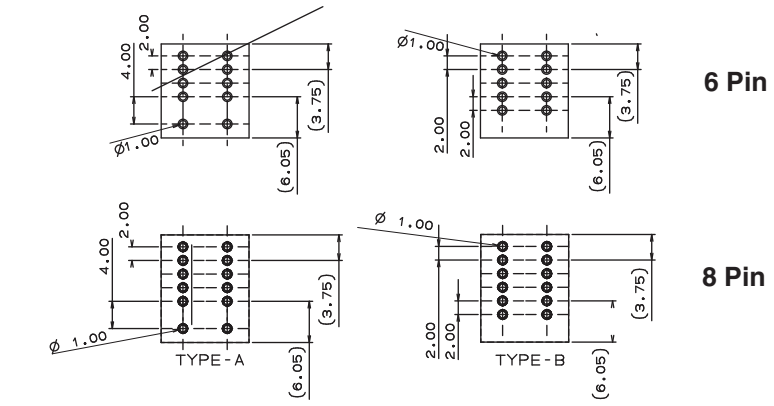
Pins	A
6	13.8 [0.54]
8	15.8 [0.62]

mm
[inch]

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

[ ] Dimensions for Reference only

Recommended Hole Pattern



6 Pin

8 Pin

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

Post Options:
A = 2 Asymmetric Posts
B = 2 Symmetrical Posts

Positions / Pins per Row:
3 or 4

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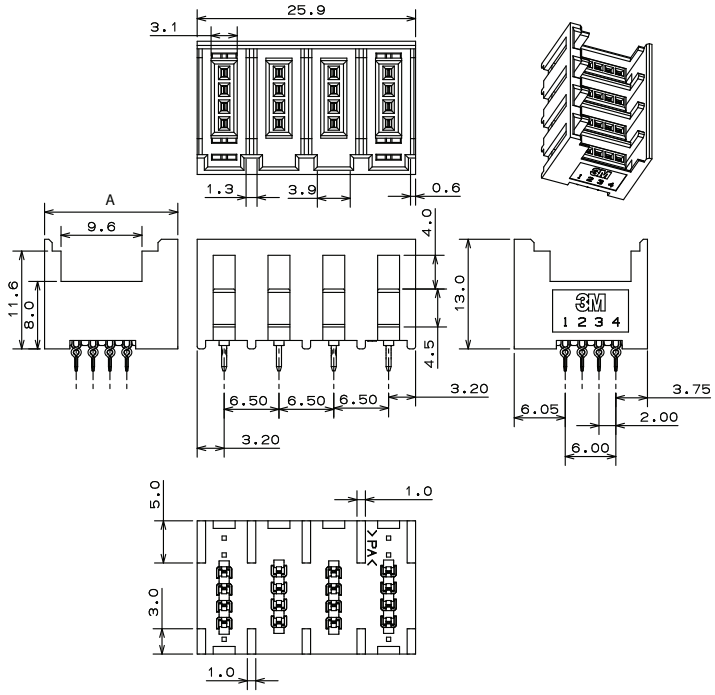
3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

372 Series

Four Row Style

12 or 16 position



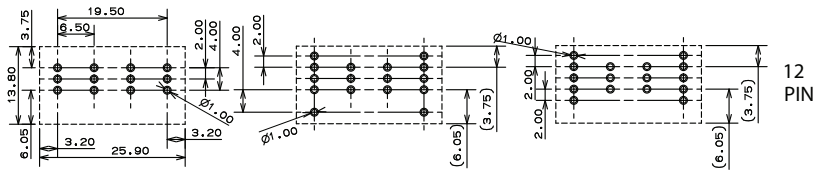
Pins	A
12	13.8 [0.54]
16	15.8 [0.62]

mm
[inch]

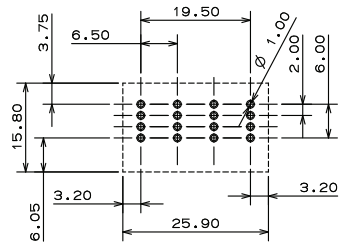
Tolerance Unless Noted		
	0.0	0.00
mm	± .1	± .10

[ ] Dimensions for Reference only

Recommended Hole Pattern



12 PIN



16 PIN

Type M

Not Available

Type A

Not Available

Type B

Ordering Information

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

Positions
12 or 16

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

Available Combinations:
37212-62M3-003 PL
37212-62A3-003 PL
37212-62B3-003 PL
37216-62M3-004 PL

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Accessories

Dust Cover Accessory

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

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