

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

TS-2093-F
Sheet 1 of 5

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

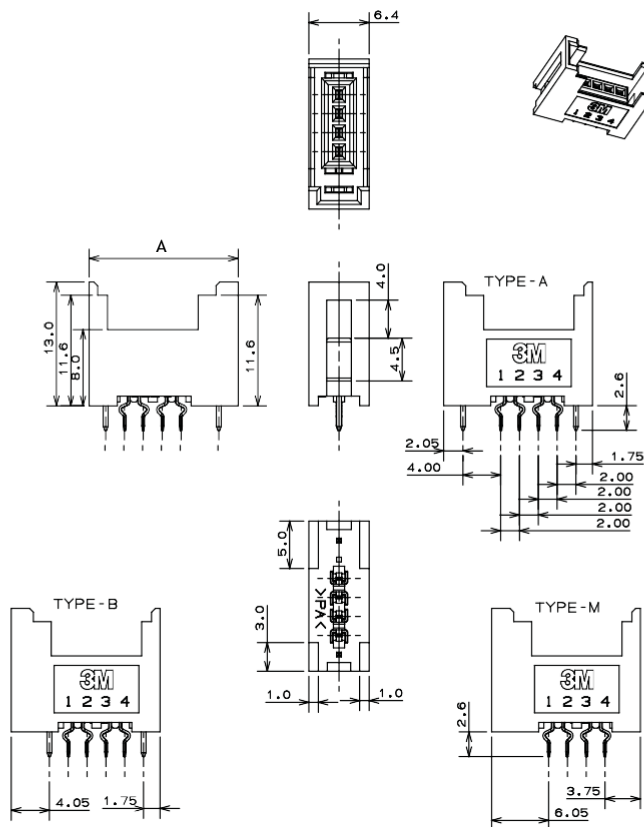
www.3M.com/factoryautomation

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-251-8634

2 mm Boardmount, Straight Solder Tails

372 Series

Single Row Style 3 and 4 position



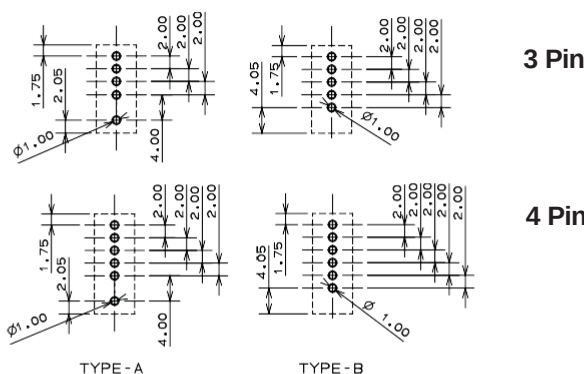
Pins	A
3	13.8 [0.54]
4	15.8 [0.62]

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

TS-2093-F
Sheet 2 of 5



Display and Electronics

www.3M.com/factoryautomation

3M is a trademark of 3M Company.
For technical, sales or ordering information call

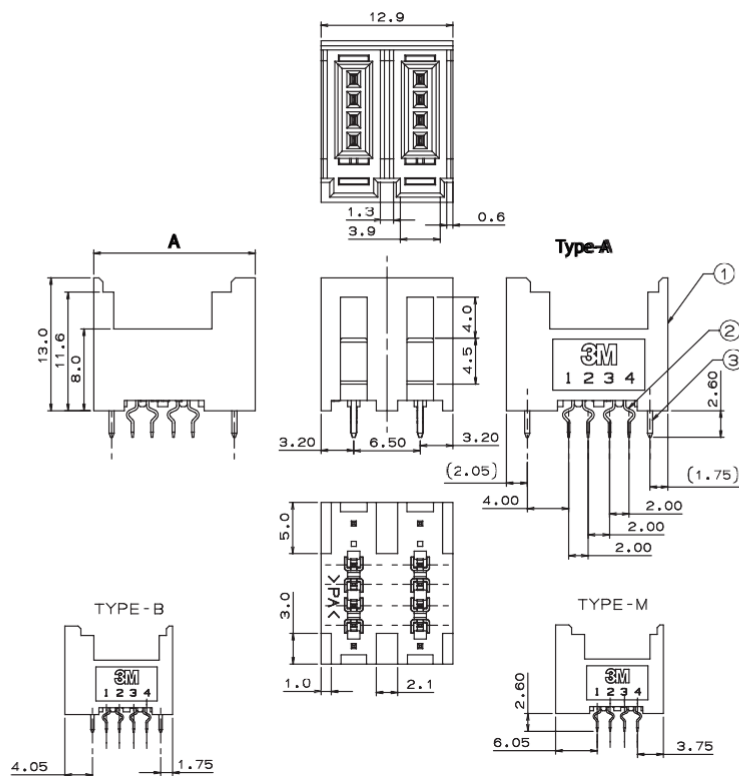
800-251-8634

3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

372 Series

Double Row Style 6 or 8 position



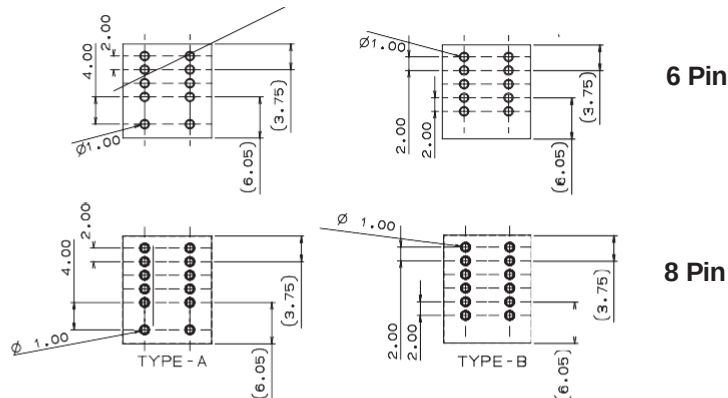
Pins	A
6	13.8 [0.54]
8	15.8 [0.62]

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

[] Dimensions for Reference only



Recommended Hole Pattern



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

Positions / Pins per Row:
3 or 4

Post Options:

A = 2 Asymmetric Posts
B = 2 Symmetrical Posts

TS-2093-F
Sheet 3 of 5



Display and Electronics

www.3M.com/factoryautomation

3M is a trademark of 3M Company.
For technical, sales or ordering information call

800-251-8634

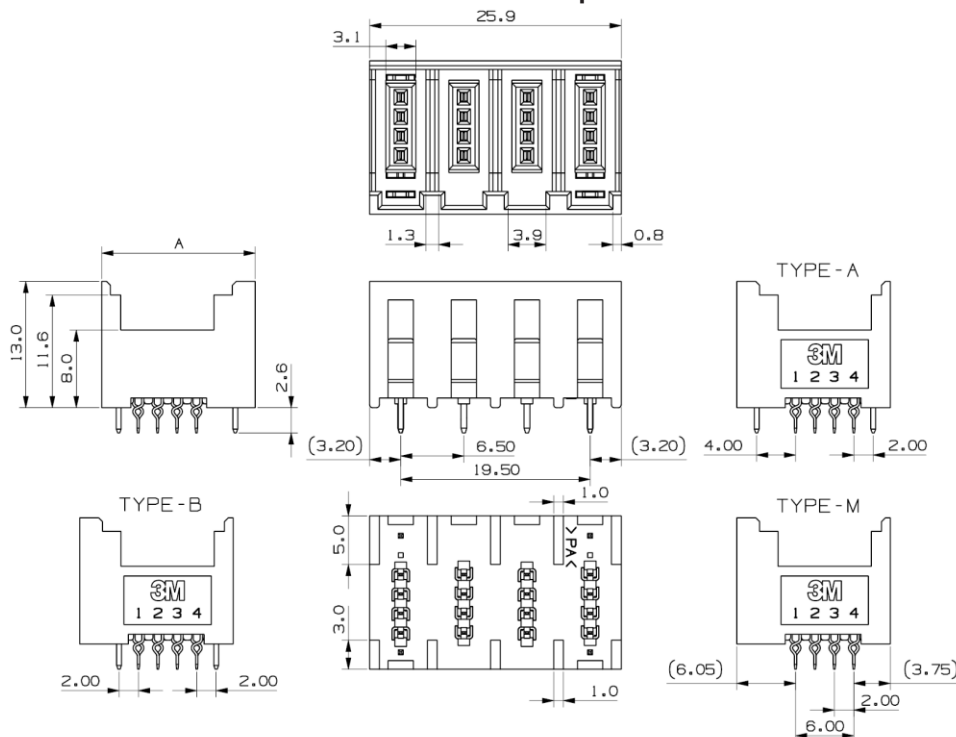
3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

372 Series

Four Row Style

12 or 16 position

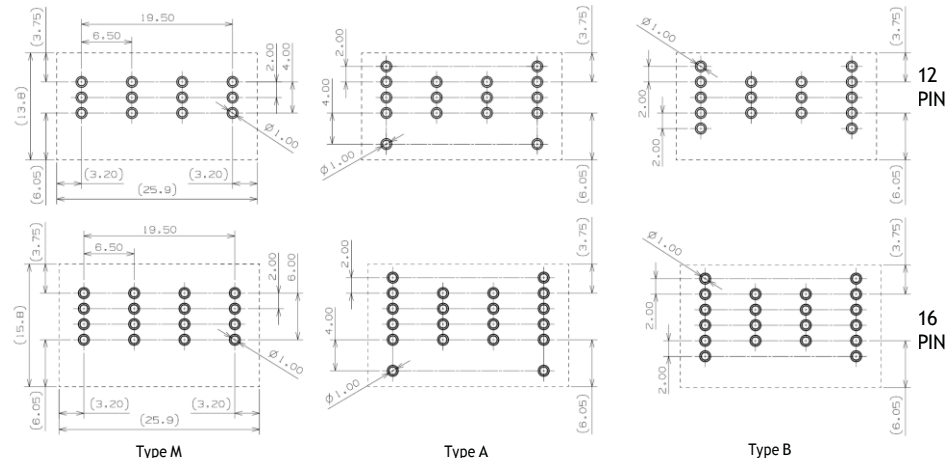


Pins	A
12	13.8 [0.54]
16	15.8 [0.62]

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

[] Dimensions for Reference only

Recommended Hole Pattern



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

TS-2093-F
Sheet 4 of 5



Display and Electronics

www.3M.com/factoryautomation

3M is a trademark of 3M Company.
For technical, sales or ordering information call

800-251-8634

3M™ Mini-Clamp Socket

2 mm Boardmount, Straight Solder Tails

372 Series

Accessories

Dust Cover Accessory



Ordering Information:

3 pos - 37803-1000-00

4 pos - 37804-1000-00

TS-2093-F
Sheet 5 of 5



Display and Electronics

www.3M.com/factoryautomation

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-251-8634

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

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. **3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE.** If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement or repair of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: For industrial use only. Not intended, labeled or packaged for consumer sale or use.



3M Display and Electronics

3M Center 223-3S-32

St Paul, MN 55144

United States

1-800-251-8634

www.3M.com/factoryautomation

Please recycle. Printed in USA.

© 3M 2025. All rights reserved.

3M is a trademark of 3M Company.