

3M™ Mini-Clamp Socket

2 mm, Surfacemount, Right Angle

372 Series



- Low profile design minimizes overall thickness
- Compact design saves board space
- Multiple PCB locating post layouts to ensure competitive compatibility
- Solder tab design helps ensures a reliable solder joint
- Mating Latch feature provides a reliable interconnection in demanding applications
- High number of mating cycles (300)
- Maximum current rating of 3 Amps
- Dust cover accessory available for use in harsh environment
- Available in Tape and Reel
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: September 27, 2024

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Physical

Insulation:

Material: LCP

Flammability: UL 94V-0

Color: Black

Contact:

Material: Copper Alloy

Plating:

Underplating: 100 μ " [2.54 μ m] Ni

Wiping Area: 0.2 μ m [8 μ "] min Gold with Lubricant

Solder Tails: Gold Flash

Solder Tabs: 120 μ " min [3 μ m min] Matte Sn over 40 μ "-120 μ " [1-3 μ m] Ni

Marking: 3M Logo, Position Indicator, Insulator Material

Mating Compatibility: 371 Series

Electrical

Current Rating: 3.0 A

Voltage Rating: 32 V

Insulation Resistance: 1,000 M Ω minimum at 500 V_{DC}

Withstanding Voltage: 1,000 V_{RMS} for 1 minute

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 3.0 A, 32 V)

Process Rating: 260°C max. SMT refo w (J-STD-020 MSL1)
390°C max. for soldering iron

UL File No.: E68080

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Interconnect Solutions
<http://www.3M.com/interconnects/>

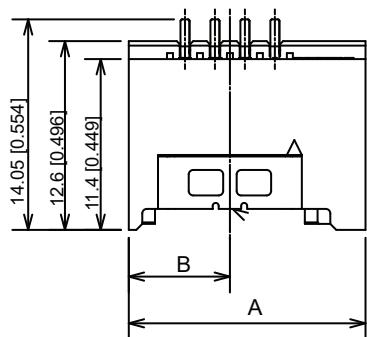
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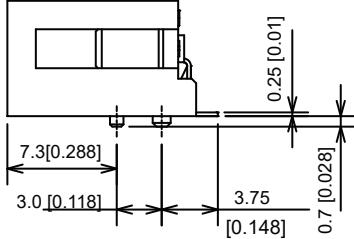
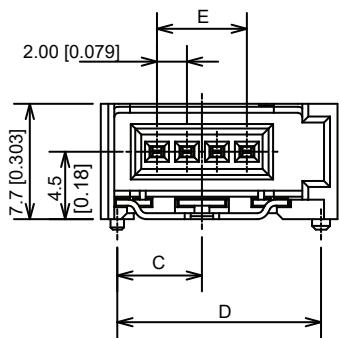
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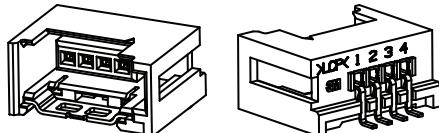
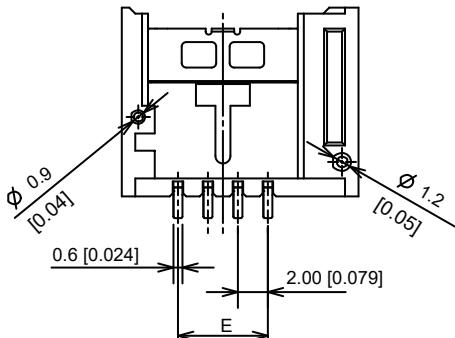
3 and 4 Position Socket



Locating Posts: None	Locating Posts: Yes
372XX-12E0-004 PL	372XX-1AE0-004 PL



372XX-1BE0-004 PL	



mm
[inch]

Pins	A	B	C	D	E
3	13.8 [0.54]	5.75 [.23]	4.65 [0.18]	11.6 [0.46]	4.00 [0.157]
4	15.8 [0.62]	6.75 [0.27]	5.65 [0.22]	13.6 [0.54]	6.00 [0.236]

Tolerance Unless Noted			
	.0	.00	.000
mm	±.3	±.13	

[] Dimensions for Reference Only

Ordering Information

Available Combinations

37203-1AE0-003 PL
37203-1BE0-003 PL
37203-12E0-003 PL
37204-1AE0-004 PL
37204-1BE0-004 PL
37204-12E0-004 PL
37204-1AE0-004 PL TR
37204-1BE0-004 PL TR

372XX-1XE0-00X PL XX

(RIA E1 and C1 Apply)

Positions
03 or 04

Locating Posts
A = Asymmetric
B = Symmetric
2 = None

Mating Plug Size
3 or 4

Packaging
Blank = Tray
TR = Tape and Reel *available for 4 pos only

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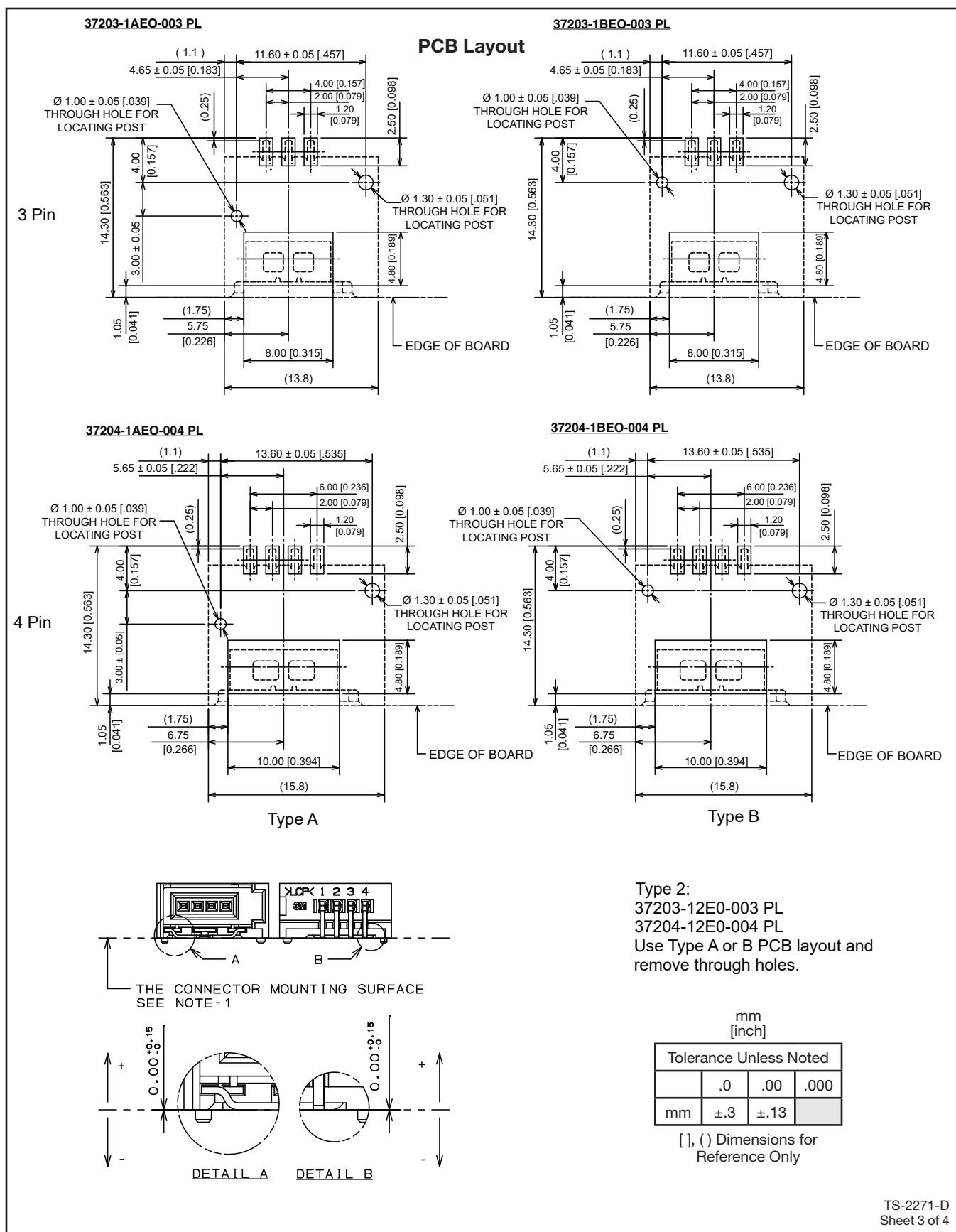
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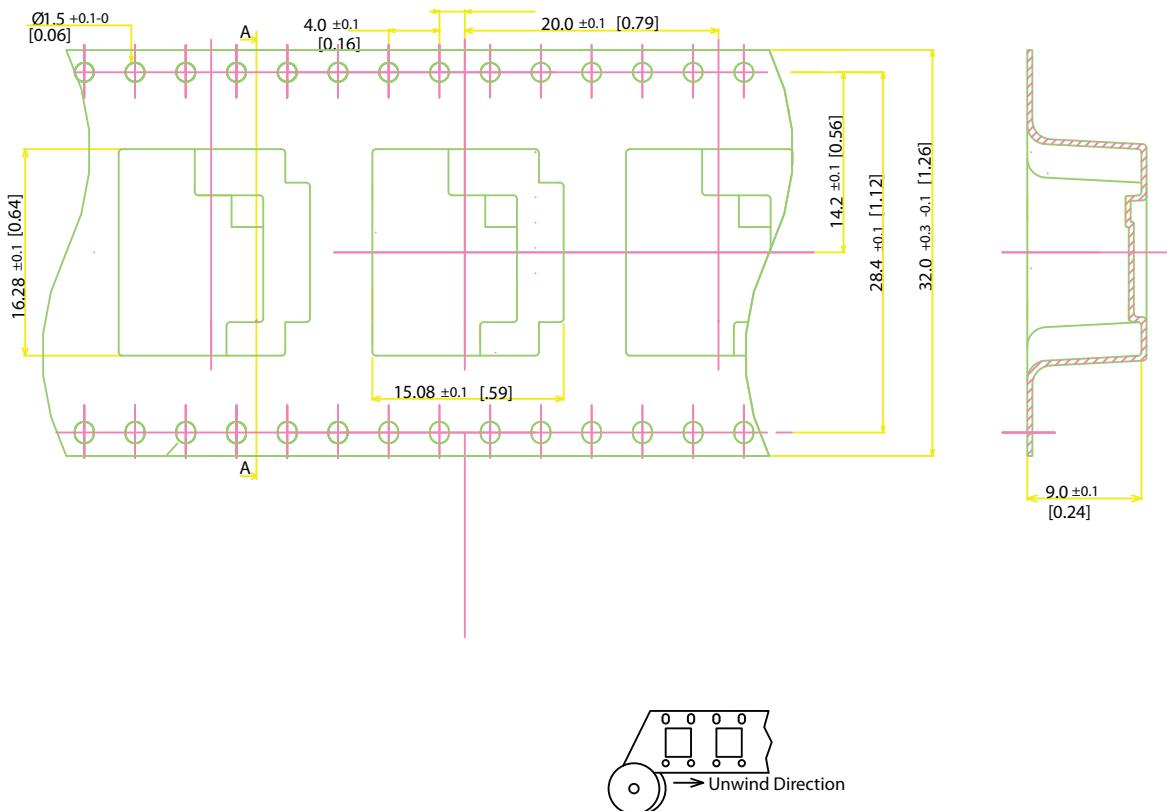
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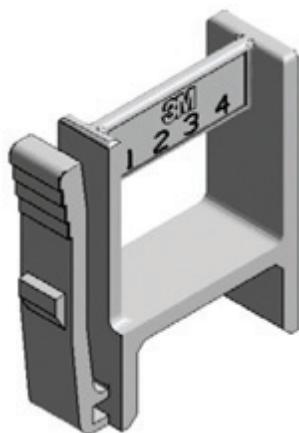
372 Series

Tape and Reel Packaging



Accessories

Dust Cover Accessory



Ordering Information:

3 pos - 37803-1000-00

4 pos - 37804-1000-00

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