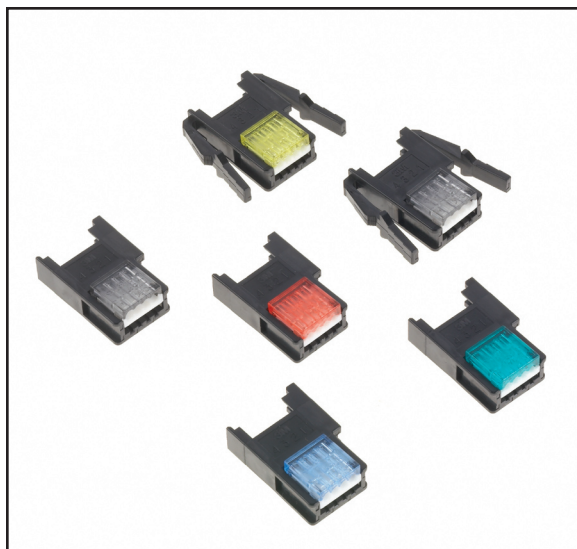


3M™ Mini-Clamp Socket

Designed for Wiring Supplied from Japan and Asia, 2 mm, IDC, Wiremount, Panel Mount 373 Series



- Designed to accommodate typical wiring specifications per Japanese and Asian suppliers
- Latches available for Panel Mount applications
- No special wire preparation
- Integrated cable retention
- Design accepts multiple wire size diameters
- Easy, quick, and reliable IDC termination using a standard pliers
- Debris free wire termination
- Accepts plug latches for a reliable interconnection in demanding applications
- High number of mating cycles
- Compact design helps save board and panel space
- Helps reduce maintenance work by providing higher connection reliability
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: September 18 , 2018

TS-2094-D
Sheet 1 of 6

Physical

Insulation:

Material: Glass reinforced thermoplastic body and lower cover, transparent thermoplastic cover

Flammability: UL 94V-0

Color: Black body, cover—white and color (see Table 1)

Contact Material: Copper Alloy

Plating:

Underplating: 2.54 μm [100 μ''] minimum Nickel

Wiping Area: 0.2 μm [8 μ''] minimum Gold with Lubricant

IDC: Nickel

Accommodation: Annealed Copper, high-strength Copper or Copper Alloy. Bare, tinned, or tin overcoated, 20 ~ 26 AWG [0.14 ~ 0.5] stranded

Wire Insulation: Flexible vinyl, semi-rigid vinyl, x-linked polyethylene, or ETFE (see Table 1)

Marking: 3M Logo, Position Indicator, Wire Gauge, Insulator Material

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)

UL File No.: E68080



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

3M and Scotchlok are a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Mini-Clamp Socket

Designed for Wiring Supplied from Japan and Asia, 2 mm, IDC, Wiremount, Panel Mount

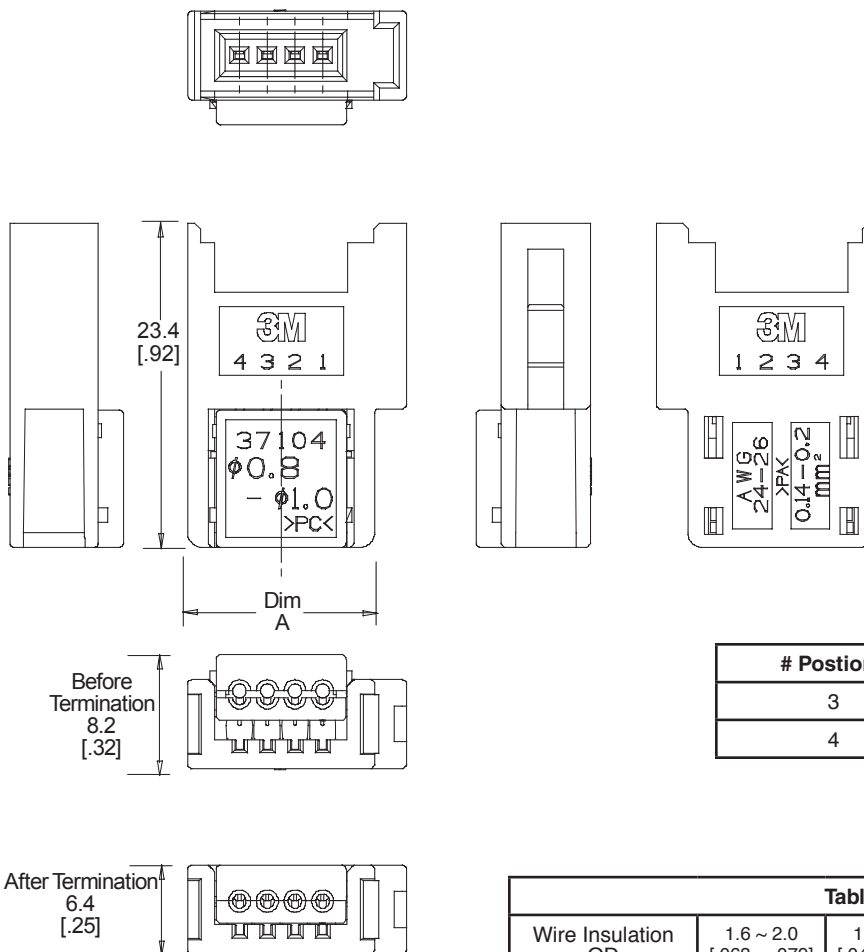
373 Series

3 or 4 Position No Latch

mm
[Inch]

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

[] Dimensions for Reference only



# Positions	Dim A
3	11.5 [.45]
4	13.5 [.53]

Table 1				
Wire Insulation OD	1.6 ~ 2.0 [.063 ~ .079]	1.2 ~ 1.6 [.047 ~ .063]	1.0 ~ 1.62 [.039 ~ .064]	0.8 ~ 1.0 [.031 ~ .039]
Part # 20-22 AWG	2206	2165	2124	
Cover Color	Gray	Blue	Green	
Part # 24-26 AWG		3163	3122	3101
Cover Color		Orange	Yellow	Red



Ordering Information

373XX - XXXX - 000 FL (RIA E1 & C1 apply)

Positions
03 or 04

Wire AWG & OD:
2XXX = 20-22 AWG
3XXX = 24-26 AWG
OD - (see Table 1)

Note: Terminate using common pliers or 3M™ Scotchlok™ Crimping Tools E-9BM or E-9E

TS-2094-D
Sheet 2 of 6



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

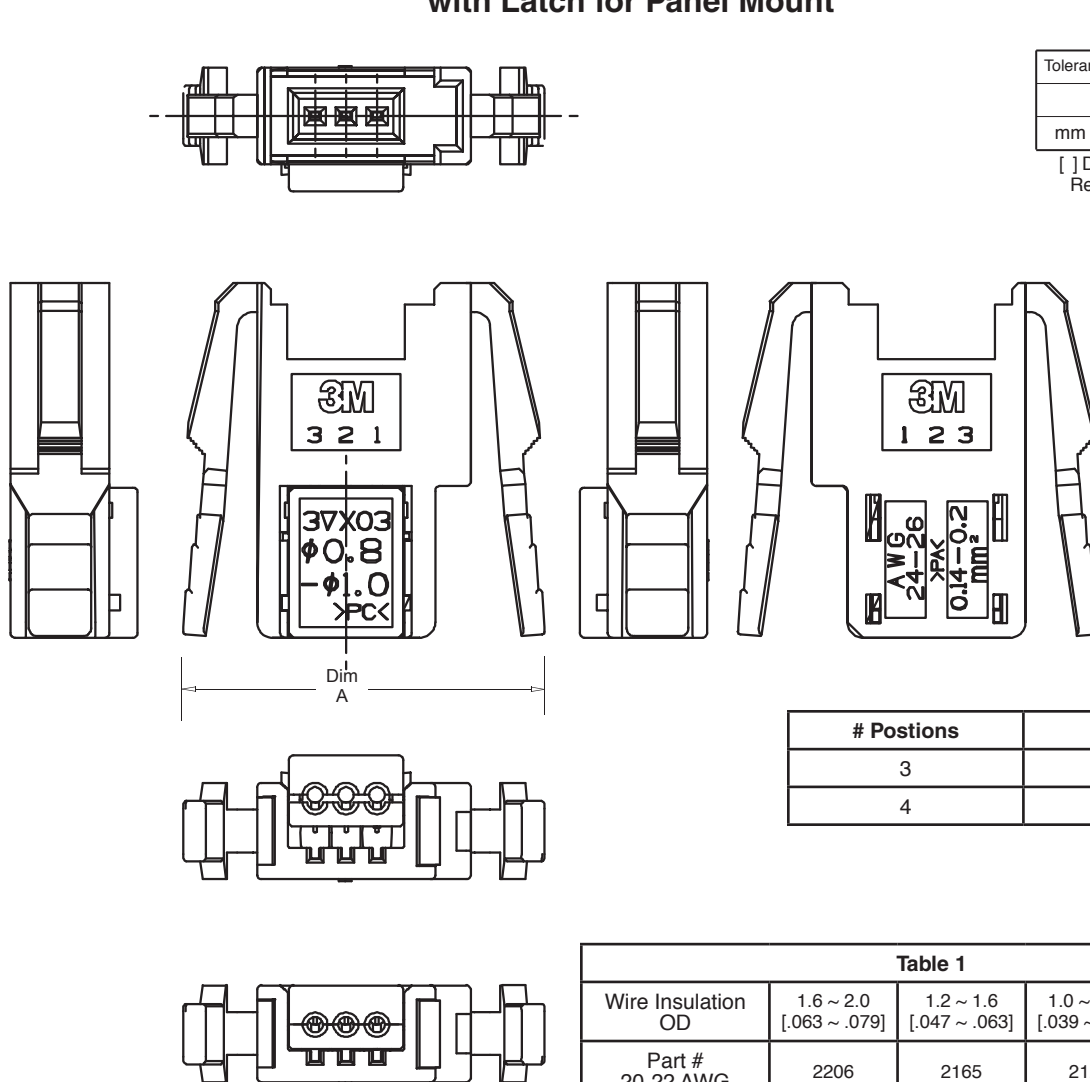
3M and Scotchlok are a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Mini-Clamp Socket

Designed for Wiring Supplied from Japan and Asia, 2 mm, IDC, Wiremount, Panel Mount

373 Series

3 or 4 Position with Latch for Panel Mount



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

[] Dimensions for Reference only

# Postions	[Dim A]
3	23.4 [.92]
4	25.4 [1.0]

Table 1				
Wire Insulation OD	1.6 ~ 2.0 [.063 ~ .079]	1.2 ~ 1.6 [.047 ~ .063]	1.0 ~ 1.62 [.039 ~ .064]	0.8 ~ 1.0 [.031 ~ .039]
Part # 20-22 AWG	2206	2165	2124	
Cover Color	Gray	Blue	Green	
Part # 24-26 AWG		3163	3122	3101
Cover Color		Orange	Yellow	Red

Note: See page 4 for panel cutout.



Ordering Information

373XX - XXXX - 0P0 FL (RIA E1 & C1 apply)

Positions
03 or 04

Wire AWG & OD:
2XXX = 20-22 AWG
3XXX = 24-26 AWG
OD - (see Table 1)

Note: Terminate using common pliers or 3M™ Scotchlok™ Crimping Tools E-9BM or E-9E

TS-2094-D
Sheet 3 of 6



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

3M and Scotchlok are a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Mini-Clamp Socket

Designed for Wiring Supplied from Japan and Asia, 2 mm, IDC, Wiremount, Panel Mount

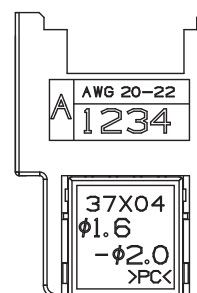
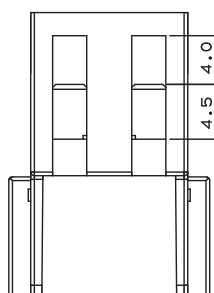
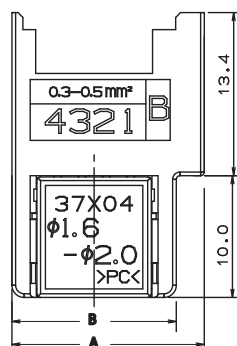
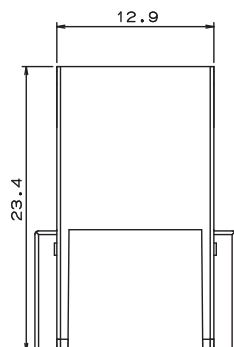
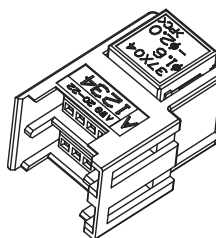
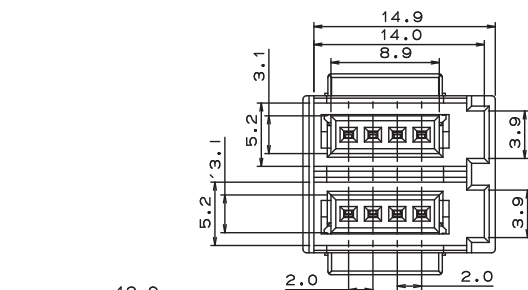
373 Series

6 or 8 Position No Latch

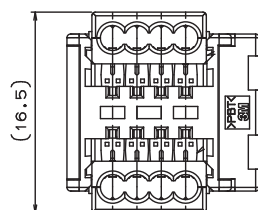
mm
[Inch]

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

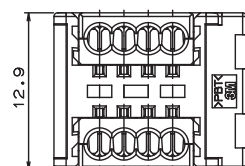
[] Dimensions for Reference only



Before IDC



After IDC



# Postions	Dim A	Dim B
6 (3x2)	13.8 [.54]	11.5 [.45]
8 (4x2)	15.8 [.62]	13.5 [.53]

Table 1

Wire Insulation OD	1.6 ~ 2.0 [.063 ~ .079]	1.2 ~ 1.6 [.047 ~ .063]	1.0 ~ 1.62 [.039 ~ .064]	0.8 ~ 1.0 [.031 ~ .039]
Part # 20-22 AWG	2206	2165	2124	
Cover Color	Gray	Blue	Green	
Part # 24-26 AWG		3163	3122	3101
Cover Color		Orange	Yellow	Red



Ordering Information

373XX - XXXX - 0W0 FL

(RIA E1 & C1 apply)

Positions
06 or 08

Wire AWG & OD:
2XXX = 20-22 AWG
3XXX = 24-26 AWG
OD - (see Table 1)

Note: Terminate using common pliers or 3M™ Scotchlok™ Crimping Tools E-9BM or E-9E

TS-2094-D
Sheet 4 of 6



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

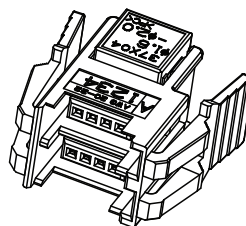
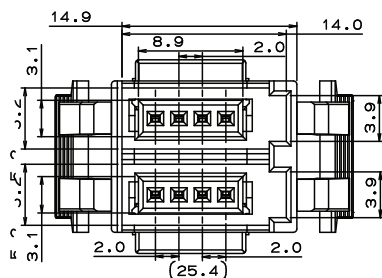
3M and Scotchlok are a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Mini-Clamp Socket

Designed for Wiring Supplied from Japan and Asia, 2 mm, IDC, Wiremount, Panel Mount

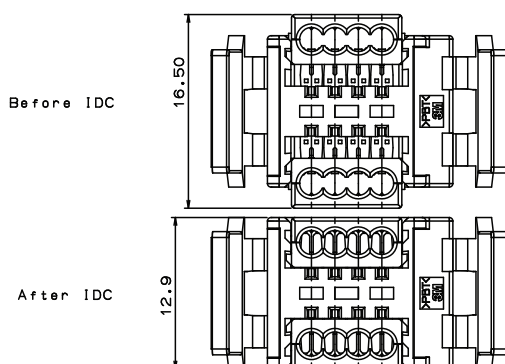
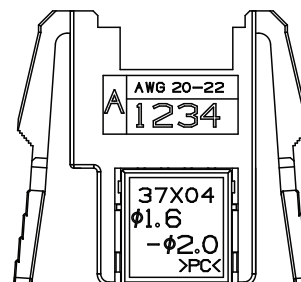
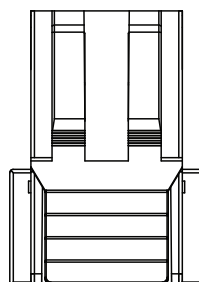
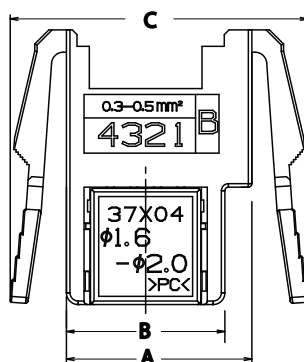
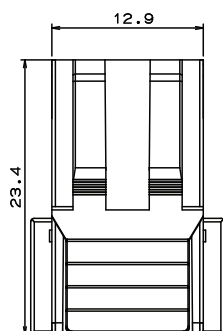
373 Series

6 or 8 Position with Latch for Panel Mount



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

[] Dimensions for Reference only



# Positions	Dim A	Dim B	Dim C
6 (3x2)	13.8 [.54]	11.5 [.45]	23.4 Ref.
8 (4x2)	15.8 [.62]	13.5 [.53]	25.4 Ref.

Note: See page 4 for panel cutout.



Table 1				
Wire Insulation OD	1.6 ~ 2.0 [.063 ~ .079]	1.2 ~ 1.6 [.047 ~ .063]	1.0 ~ 1.62 [.039 ~ .064]	0.8 ~ 1.0 [.031 ~ .039]
Part # 20-22 AWG	2206	2165	2124	
Cover Color	Gray	Blue	Green	
Part # 24-26 AWG		3163	3122	3101
Cover Color		Orange	Yellow	Red

Ordering Information

373XX - XXXX - 0M0 FL (RIA E1 & C1 apply)

Positions
06 or 08

Wire AWG & OD:
2XXX = 20-22 AWG
3XXX = 24-26 AWG
OD - (see Table 1)

Note: Terminate using common pliers or 3M™ Scotchlok™ Crimping Tools E-9BM or E-9E

TS-2094-D
Sheet 5 of 6



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

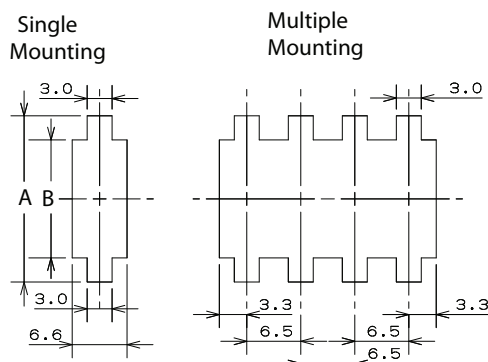
3M and Scotchlok are a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Mini-Clamp Socket

Designed for Wiring Supplied from Japan and Asia, 2 mm, IDC, Wiremount, Panel Mount

373 Series

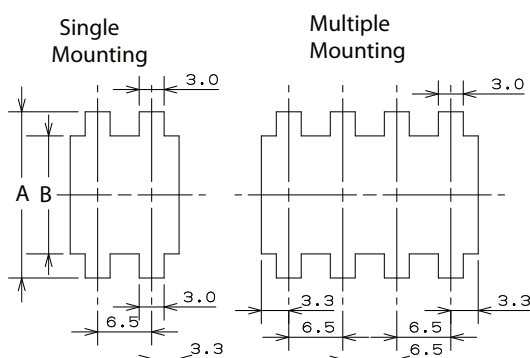
Panel Cutouts



3 and 4 Pin

37303-XXXX-0P0 FL

37304-XXXX-0P0 FL



6 and 8 Pin

37306-XXXX-0M0 FL

37308-XXXX-0M0 FL

Table 2:

	Panel Thickness in mm		
	1.0 to 1.2mm	1.4 to 1.6mm	
Pins	A	A	B
03	20.0[0.79]	20.4[0.80]	14.2[0.56]
04	22.0[0.87]	22.4[0.88]	16.2[0.64]
06	20.0[0.79]	20.4[0.80]	14.2[0.56]
08	22.0[0.87]	22.4[0.88]	16.2[0.64]

TS-2094-D
Sheet 6 of 6



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

3M and Scotchlok are a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 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 OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OR TRADE.

If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M Electronics Materials Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000
1-800-225-5373
www.3M.com/interconnect



Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

Please recycle. Printed in USA. ©
3M 2018. All rights reserved.
RIA-2217B-E

3M and Scotchlok are a trademark of 3M Company.