

3M™ I/O Connector Mounting Options and Hardware

Hardware Guide

Date Modified: April 24, 2012

Mounting Hardware Applications - Table 1

| Part Number | Type | Mini D Ribbon (MDR) Conn.'s | D Sub Conn.'s | D Ribbon Conn.'s | Shrunk D Ribbon (SDR) Conn.'s | Sheet # | RIA Code |
|-------------------------|-------------------|-----------------------------|---------------|------------------|-------------------------------|---------|-------------------|
| 3341-1L ² | Jack Socket Screw | | X | X | | 2 of 9 | RIA E5 & C3 apply |
| 3341-1S ² | Jack Socket Screw | | X | X | | | |
| 3341-2 | Jack Socket Screw | | | X | | | |
| 3341-3 | Jack Socket Screw | | | X | | | |
| 3341-4 ² | Jack Socket Screw | | X | X | | | |
| 3341-10 | Jack Socket Screw | X | | | | 3 of 9 | |
| 3341-13 | Jack Socket Screw | X | | | | | |
| 3341-16 | Jack Socket Screw | X | | | | | |
| 3341-17 | Jack Socket Screw | X | | | | | |
| 3341-25 | Jack Socket Screw | X | | | | | |
| 3341-30 | Jack Socket Screw | X | | | | 4 of 9 | |
| 3341-31 | Jack Socket Screw | X | | | | | |
| 3341-32 | Jack Socket Screw | X | | | | | |
| 3341-35 | Jack Socket Screw | X | | | | | |
| 3341-36 | Jack Socket Screw | X | | | | | |
| 3342-1 ² | Jack Screw Kits | | X | | | 5 of 9 | |
| 3342-2 ² | Jack Screw Kits | | X | | | | |
| 3342-3 ² | Jack Screw Kits | | X | X | | | |
| 3342-4 ² | Jack Screw Kits | | X | X | | | |
| 3344-3 | Board Lock Screw | X | | | | 6 of 9 | |
| 3344-4 | Board Lock Screw | X | | | | | |
| 3344-26 | Panel Mount Screw | X | | | | | |
| 3344-38 | Panel Mount Screw | X | | | | | |
| 3344-44 | Panel Mount Screw | X | | | | | |
| 3344-45 | Panel Mount Screw | X | | | | 7 of 9 | |
| 3475-1 | Bail Mount Kits | | | X | | | |
| 3475-4 | Bail Mount Kits | | | X | | | |
| 3475-5 | Bail Mount Kits | | | X | | 8 of 9 | |
| 12600-S-08 | Jack Socket Screw | | | | X | | |
| 12600-S-10 | Jack Socket Screw | | | | X | | |
| 12600-S-12 | Jack Socket Screw | | | | X | | |
| 3344-46 | Board Lock Screw | | | | X | 9 of 9 | |
| Mounting hardware Guide | | | X | | | | |

-See sheet 7 of 9 for D Ribbon & Plastic Connector accessories.-

Notes:

1. Use Table 1 as a guide for selecting the correct mounting hardware.
2. See sheet 9 of 9 for selection guide - 9 to 37 and 50 position D Sub connectors.
3. See Regulatory Information Appendix (RIA) for chemical compliance information.

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3M™ I/O Connector Mounting Options and Hardware

Jack Socket Screws

3M Part Number 3341-1L

Kit Contents:
2 - Jack Sockets
4 - Spacers .031 [0.79] Thick
2 - Lock Washers
2 - 4-40 Nuts

Material: Steel
Finish: Zinc with Clear Chromate
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



3M Part Number 3341-1S

Kit Contents:
2 - Jack Sockets
8 - Spacers .031 [0.79] Thick
2 - Lock Washers
2 - 4-40 Nuts

Material: Steel
Finish: Zinc with Clear Chromate
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



3M Part Number 3341-2

Kit Contents:
2 - Jack Sockets
2 - Lock Washers
2 - 4-40 Nuts

Material: Steel
Finish: Zinc with Clear Chromate
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



3M Part Number 3341-3 IEEE-488-Type

Kit Contents:
2 - Jack Sockets
4 - Spacers .031 [0.79] Thick
2 - Lock Washers
2 - 4-40 Nuts

Material: Steel
Finish: Black Oxide
Screw / Socket Thread Size: #4-40 / M3.5
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



3M Part Number 3341-4

Kit Contents:
2 - Jack Sockets
4 - Spacers .031 [0.79] Thick
2 - Lock Washers
2 - 4-40 Nuts

Material: Steel
Finish: Zinc with Clear Chromate
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



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3M™ I/O Connector Mounting Options and Hardware

3M Part Number 3341-10

Material: Stainless Steel
Screw / Socket Thread Size: M2.5 / M2.5
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



3M Part Number 3341-13

Material: Stainless Steel
Screw / Socket Thread Size: M2.5 / #4-40
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



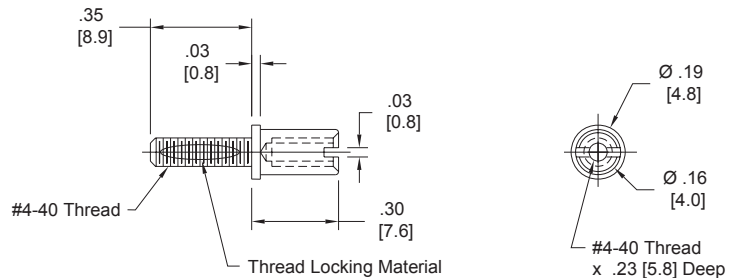
3M Part Number 3341-16

Material: Stainless Steel
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 3.5 inch-lbf [0.4 N-m]



3M Part Number 3341-17

Material: Stainless Steel
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 3.5 inch-lbf [0.4 N-m]



3M Part Number 3341-25

Material: Stainless Steel
Screw / Socket Thread Size: M2.5 / M2
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



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3M™ I/O Connector Mounting Options and Hardware

3M Part Number 3341-30

Material: Stainless Steel
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 3.5 inch-lbf [0.4 N-m]



3M Part Number 3341-31

Material: Stainless Steel
Screw / Socket Thread Size: M2.5 / #4-40
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



3M Part Number 3341-32

Material: Stainless Steel
Screw / Socket Thread Size: M2.5 / #4-40
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



3M Part Number 3341-35

Material: Stainless Steel
Screw / Socket Thread Size: M2.5 / #4-40
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



3M Part Number 3341-36

Material: Stainless Steel
Screw / Socket Thread Size: M2.5 / M2.5
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



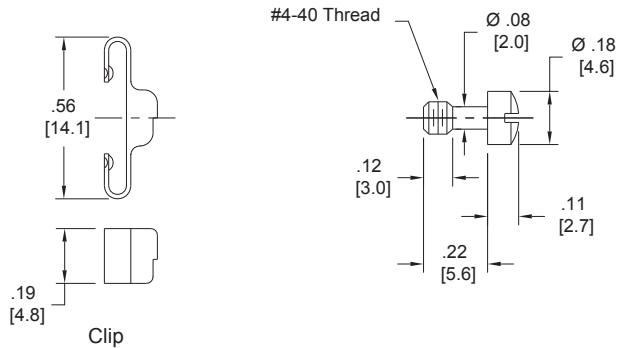
3M™ I/O Connector Mounting Options and Hardware

Jack Screw Kits

3M Part Number 3342-1

Kit Contents:
2 - Clips
2 - Jack Screws

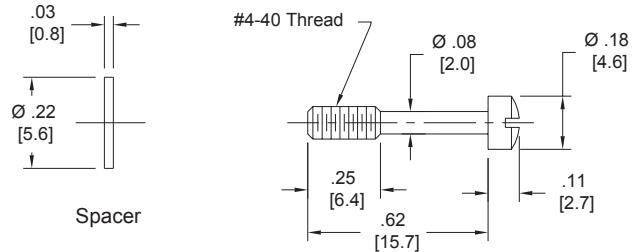
Material: Steel
Finish: Zinc with Clear Chromate
Thread size: #4-40
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



3M Part Number 3342-2

Kit Contents:
2 - Spacers
2 - Jack Screws

Material: Steel
Finish: Zinc with Clear Chromate
Thread size: #4-40
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



3M Part Number 3342-3

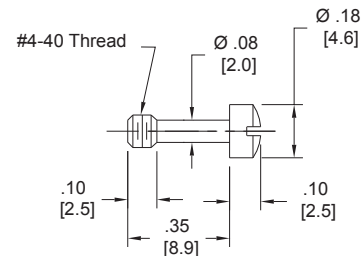
Kit Contents:
2 - Screws
2 - Jack Screws

Material: Steel
Finish: Zinc with Clear Chromate
Thread size: #4-40
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



3M Part Number 3342-4

Material: Steel
Finish: Zinc with Clear Chromate
Thread size: #4-40
Recommended Max. Torque: 7.0 inch-lbf [0.8 N-m]



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3M™ I/O Connector Mounting Options and Hardware

Board Lock Screws

Use to attach connector to printed circuit board. Not for use for panel mounting.

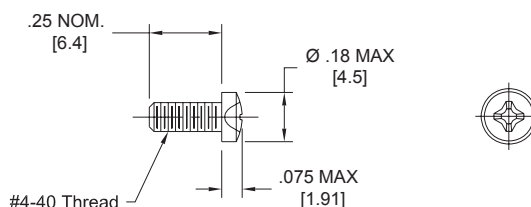
3M Part Number 3344-3

Material: Steel
Finish: Nickel Plated
Thread size: M2.5
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



3M Part Number 3344-4

Material: Steel
Finish: Nickel Plated
Thread size: #4-40
Recommended Max. Torque: 3.5 inch-lbf [0.4 N-m]



Panel Mount Screws

Use to attach connector to panel or chassis. Not for use for PCB mounting.

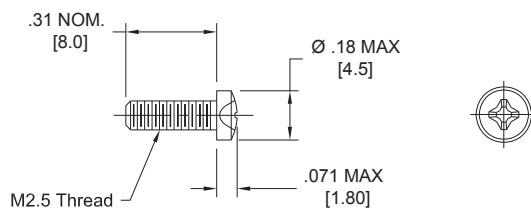
3M Part Number 3344-26

Material: Steel
Finish: Zinc
Thread size: M2.6
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



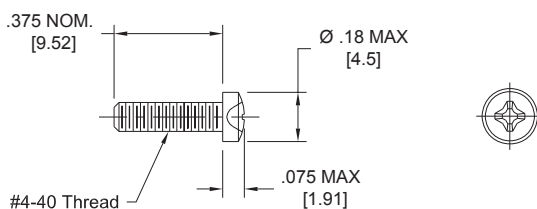
3M Part Number 3344-38

Material: Steel
Finish: Zinc
Thread size: M2.5
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



3M Part Number 3344-44

Material: Steel
Finish: Zinc
Thread size: #4-40
Recommended Max. Torque: 3.5 inch-lbf [0.4 N-m]



3M Part Number 3344-45

Material: Stainless Steel
Thread size: M2.5
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



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3M™ I/O Connector Mounting Options and Hardware

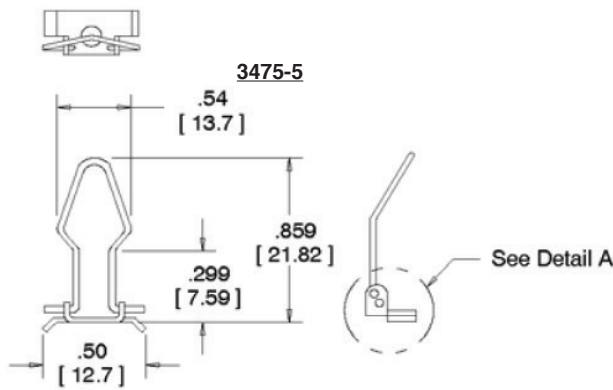
Bail Mount Kits for D Ribbon Connectors



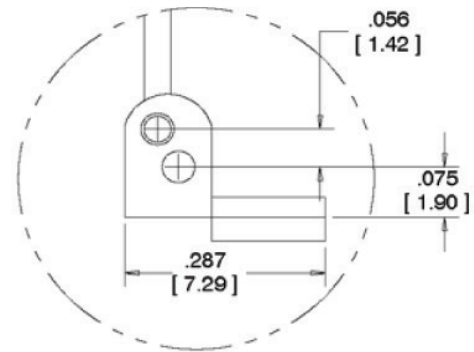
Plastic Connectors
Mounted to Front of Panel



Plastic & Metal Faced Connectors
Mounted to Rear of
.0625, .075, .125 Panels



Plastic & Metal Faced Connectors
Mounted to Rear of
.035, .042, .094 Panels



Detail A

| Material | |
|------------|--------------------|
| Bail Assy. | Steel, Zinc plated |
| Screw | Steel, Zinc plated |
| Nut | Steel, Zinc plated |
| Washer | Steel, Zinc plated |

Kits Contain 2 ea.
Bail Assy.
Screw - 4-40 x .50. RND HD SLTD
Nut - #4-40 UNC
Washer - Lock-split

D-Ribbon & Plastic Connectors

| Contact Quantity | Mating Connectors | | Junction Shell | Strain Relief | Pull-Tab |
|------------------|-------------------|-----------|----------------|---------------|----------|
| | Plug | Socket | Plastic | | |
| 14 | 3572-100X | 3573-100X | 3485-1800Y | 3448-60 | 3490-2 |
| 24 | 3548-100X | 3549-100X | 3485-1700Y | 3448-61 | 3490-2 |
| 36 | 3366-100X | 3367-100X | 3485-2800Y | 3448-62 | 3490-3 |
| 50 | 3564-100X | 3565-100X | 3485-2500Y | 3448-63 | 3490-5 |

Options:
X = mounting style
Y = "F" for flat cable, "R" for round cable

| Inch [mm] | | | |
|------------------------|------|-------|--------|
| Tolerance Unless Noted | | | |
| | .0 | .00 | .000 |
| Inch | ± .1 | ± .01 | ± .005 |

[] Dimensions for
Reference only

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3M™ I/O Connector Mounting Options and Hardware

Jack Socket Screws

Use to attach connector to panel or chassis. Not for use for PC board mounting.

3M Part Number 12600-S-08

For .03" [0.8 mm] Panel Thickness

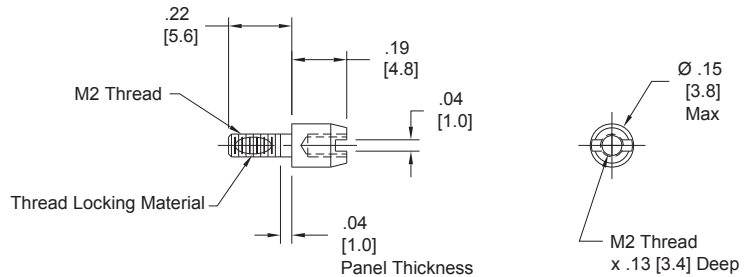
Material: Steel
Finish: Nickel Plated
Screw / Socket Thread Size: M2 / M2
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



3M Part Number 12600-S-10

For .04" [1.0 mm] Panel Thickness

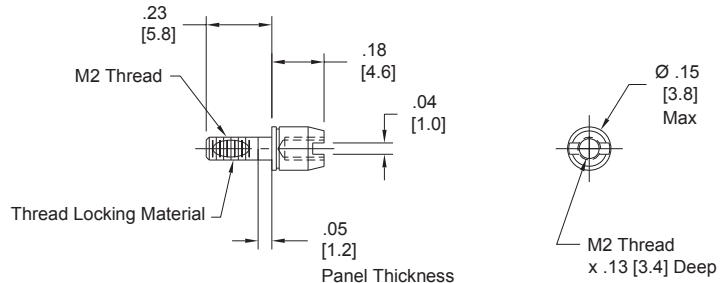
Material: Steel
Finish: Nickel Plated
Screw / Socket Thread Size: M2 / M2
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



3M Part Number 12600-S-12

For .05" [1.2 mm] Panel Thickness

Material: Steel
Finish: Nickel Plated
Screw / Socket Thread Size: M2 / M2
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]

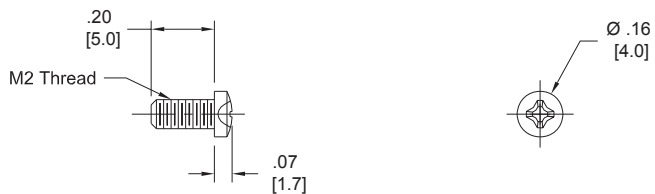


Board Lock Screw

Use to attach connector to printed circuit board. Not for use for panel mounting.

3M Part Number 3344-46

Material: Stainless Steel
Thread size: M2
Recommended Max. Torque: 2.5 inch-lbf [0.3 N-m]



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3M™ I/O Connector Mounting Options and Hardware

D Sub Connectors

Mounting Hardware Guide

Selection Guide - 9 to 37 Position D Sub Connectors

1. To mount a connector to a panel, select the correct Jack Socket Kit from table 1.
2. To secure a mating connector to a panel mounted connector, select the correct Jack Screw Kit from table 2.
3. To secure two connectors together in a mid-span application where no panel exists, select both the Jack Socket Kit and Jack Screw Kit from table 2.

| Panel Mounted Connectors Jack Socket Kits | | | | |
|---|-------------|---------|------------|---------|
| Panel Thickness | Front Mount | | Rear Mount | |
| | Kit | Spacers | Kit | Spacers |
| 1/16 | 3341-1L | 2 | 3341-1L | 0 |
| 3/32 | 3341-1L | 2 | 3341-1S | 1 |
| 1/8 | 3341-4 | 2 | 3341-1S | 0 |

Note: Spacers Placed Under Head of Jack Sockets

| Junction Shell | Connectors with Junction Shells | | |
|----------------|---------------------------------|---------|-----------------|
| | Jack Screw Kit | Spacers | Jack Socket Kit |
| ----- | 3342-1 | ----- | 3341-1L |
| 3485-2X00 | 3342-2 | 2 | 3341-4 |
| 3357-41XX | 3342-2 | 2 | 3341-4 |
| 3357-51XX | 3342-2 | 2 | 3341-4 |
| 3357-65XX | 3342-x Supplied | ----- | 3341-4 |
| 3357-92XX | 3342-x Supplied or 3341-7 | | 3341-1L |

Notes:

1. Jack Sockets used for MidSpan Applications.
2. Spacers Placed Under Head of Jack Screws.

Selection Guide - 50 Position D Sub Connectors See TS-0034 Socket and TS-0035 Plug.

Mounting Options Using 3357-9250 Junction Shell & 3505-62 Latch Bracket. See TS-0245.

Front Panel Mounted Connectors:

Connectors not designed for this application

Rear Panel Mounted Connectors:

1/16" Panel: 1 Spacer Latch Bracket and Panel

3/32" Panel: No Spacers.

>3/32" Panel: Latch Bracket not designed for these applications.

Mid-Span Applications: Mount Latch Bracket directly to either the Plug or Socket Connector.

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