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					
3475-1	Bail Mount Kits			X		7 of 9	
3475-4	Bail Mount Kits			X			
3475-5	Bail Mount Kits			X			
12600-S-08	Jack Socket Screw				X	8 of 9	
12600-S-10	Jack Socket Screw				X		
12600-S-12	Jack Socket Screw				X		
3344-46	Board Lock Screw				X		
Mounting hardware Guide			X			9 of 9	
-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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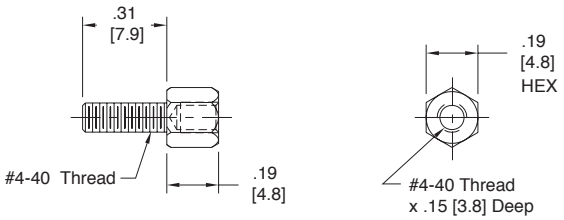
3M™ I/O Connector Mounting Options and Hardware

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

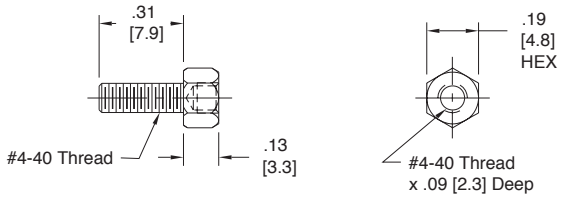
Material: Steel
Finish: Zinc with Clear Chromate
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 7.0 inch·lbf [0.8 N·m]



3M Part Number
3341-1S

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

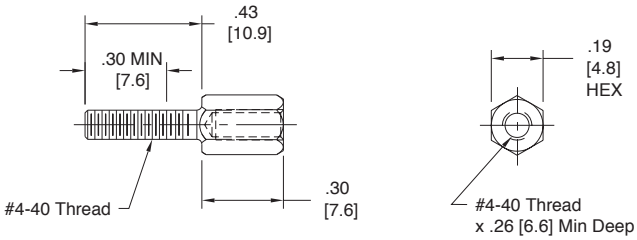
Material: Steel
Finish: Zinc with Clear Chromate
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 7.0 inch·lbf [0.8 N·m]



3M Part Number
3341-2

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

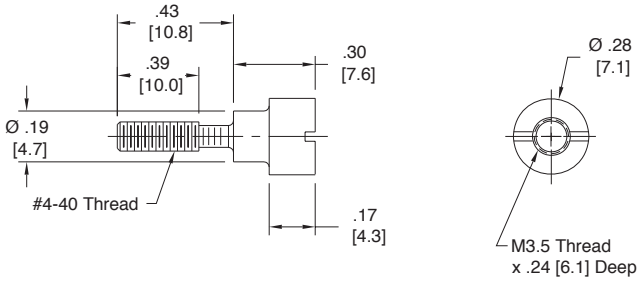
Material: Steel
Finish: Zinc with Clear Chromate
Screw / Socket Thread Size: #4-40 / #4-40
Recommended Max. Torque: 7.0 inch·lbf [0.8 N·m]



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

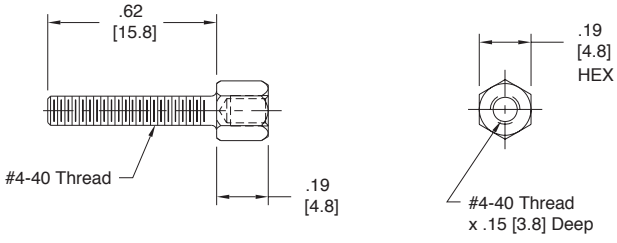
Material: Steel
Finish: Black Oxide
Screw / Socket Thread Size: #4-40 / M3.5
Recommended Max. Torque: 7.0 inch·lbf [0.8 N·m]



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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Sheet 2 of 9

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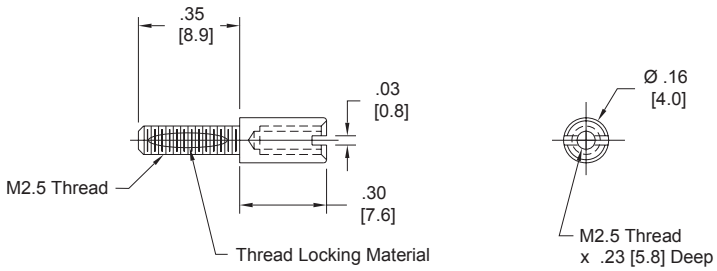
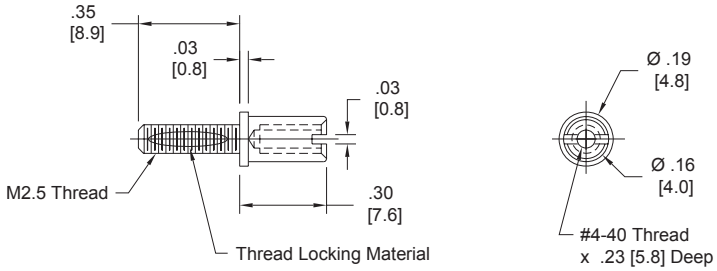
3M Part Number
3341-10

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



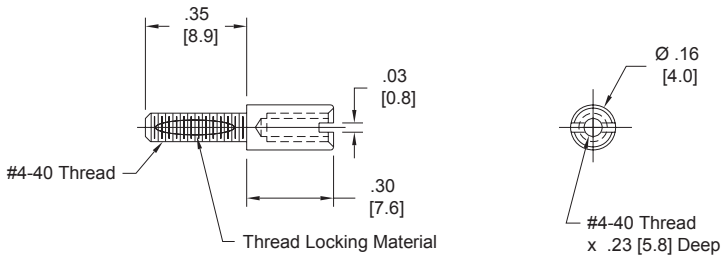
3M Part Number
3341-13

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



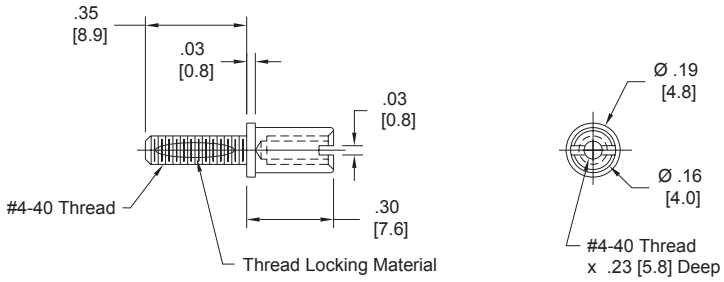
3M Part Number
3341-16

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



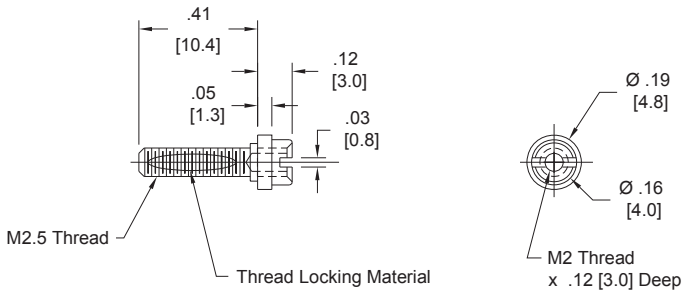
3M Part Number
3341-17

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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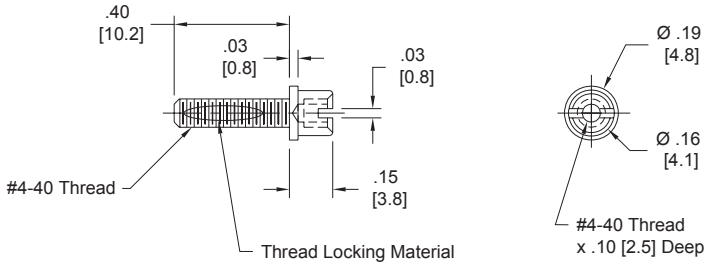
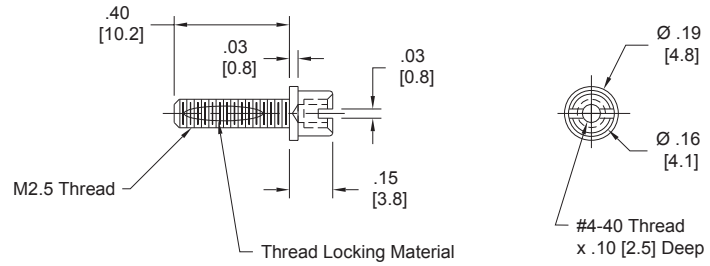
3M Part Number
3341-30

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



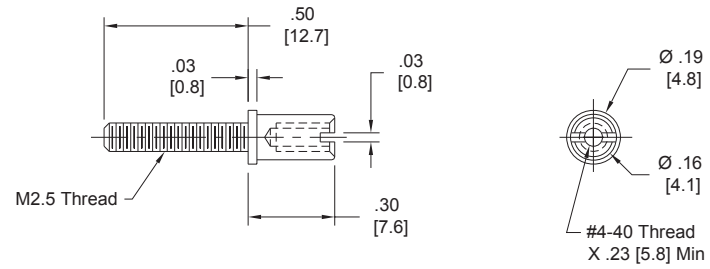
3M Part Number
3341-31

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



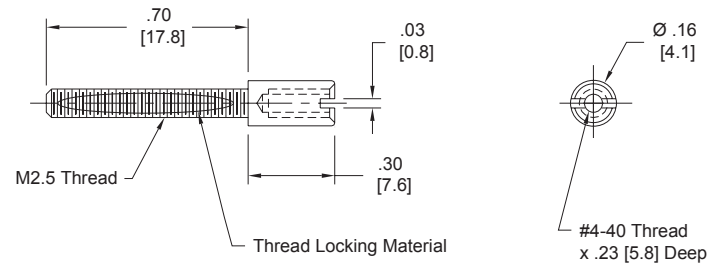
3M Part Number
3341-32

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



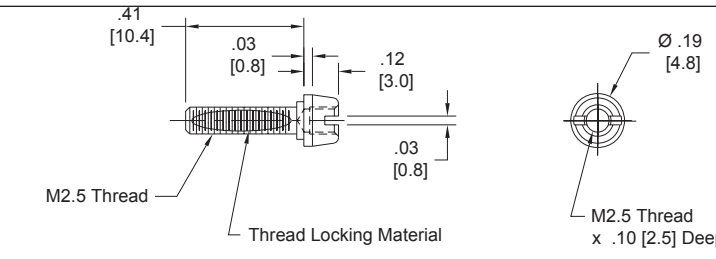
3M Part Number
3341-35

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]



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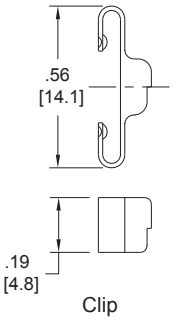
Jack Screw Kits

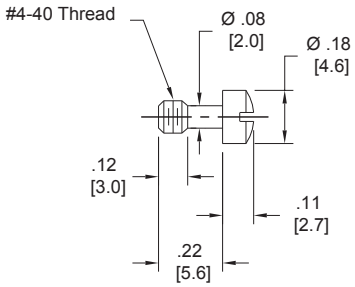
3M Part Number
3342-1

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]



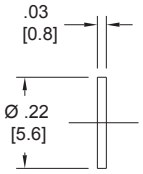
Clip



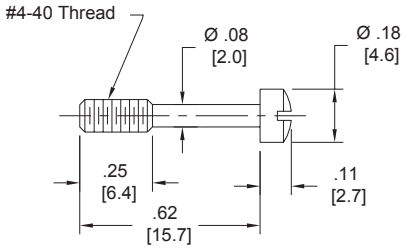
3M Part Number
3342-2

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]



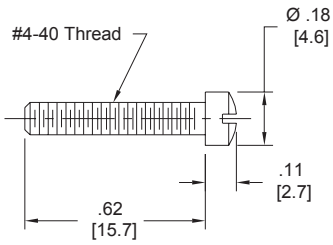
Spacer

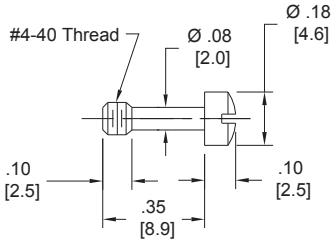


3M Part Number
3342-3

Kit Contents:
2 - Screws
2 - Jack Screws

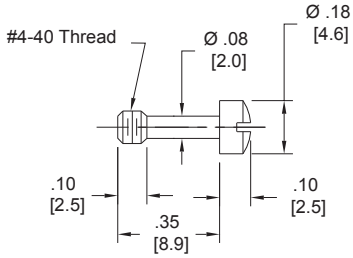
Material: Steel
Finish: Zinc with Clear Chromate
Thread size: #4-40
Recommended Max. Torque: 7.0 inch·lbf [0.8 N·m]





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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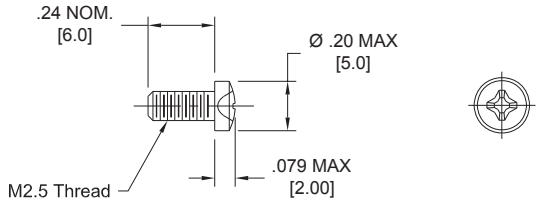
3M™ I/O Connector Mounting Options and Hardware

Board Lock Screws

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

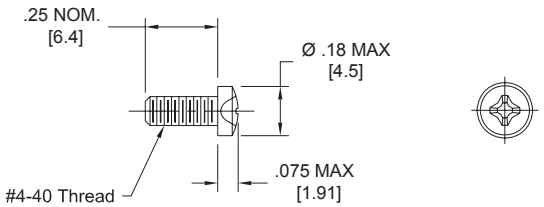
3M Part Number
3344-3

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]

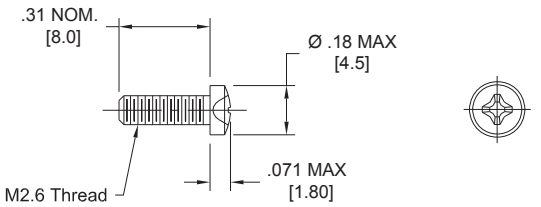


Panel Mount Screws

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

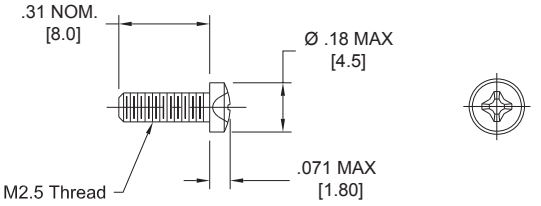
3M Part Number
3344-26

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



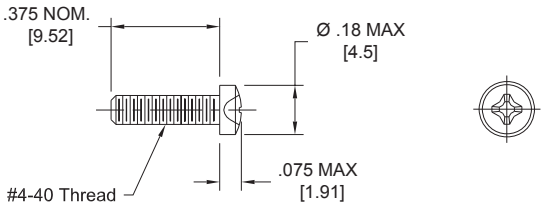
3M Part Number
3344-38

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



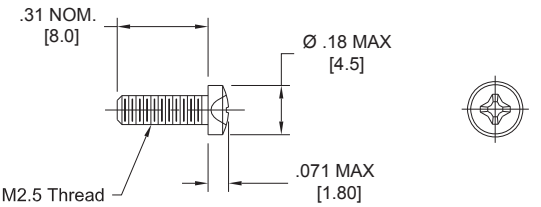
3M Part Number
3344-44

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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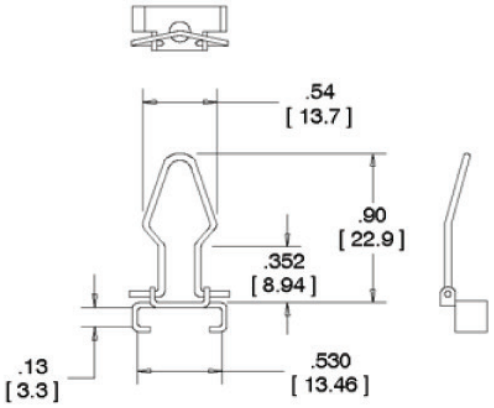
3M™ I/O Connector Mounting Options and Hardware

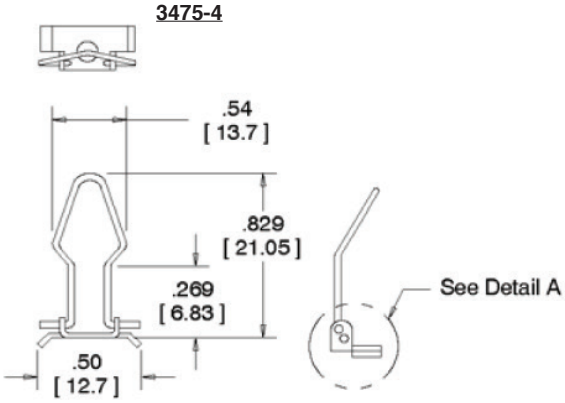
Bail Mount Kits for D Ribbon Connectors

3475-1



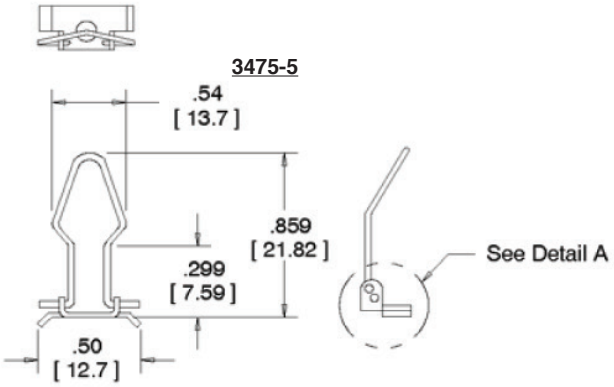
Plastic Connectors
Mounted to Front of Panel

3475-4

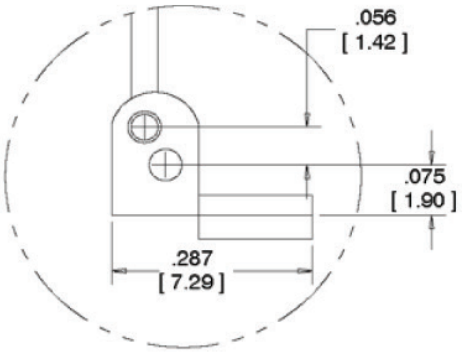


Plastic & Metal Faced Connectors
Mounted to Rear of
.0625, .075, .125 Panels

3475-5



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



Detail A

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

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

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

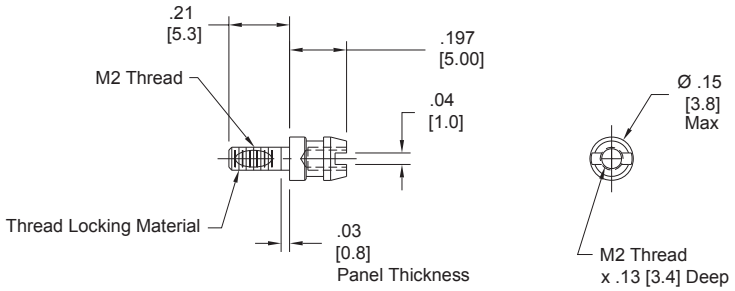
Jack Socket Screws

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

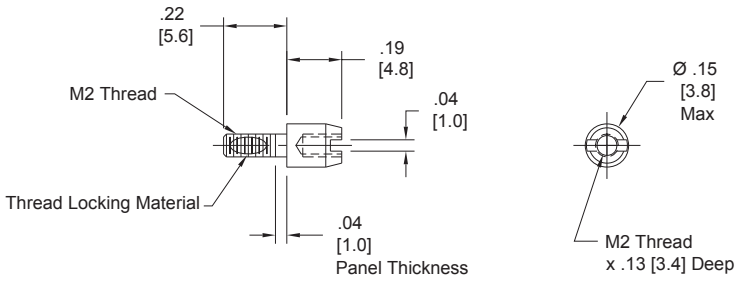
Material: Steel
Finish: Nickel Plated
Screw / Socket Thread Size: M2 / M2
Recommended Max. Torque: 2.5 inch·lbf [0.3 N·m]



3M Part Number
12600-S-10

For .04" [1.0 mm] Panel Thickness

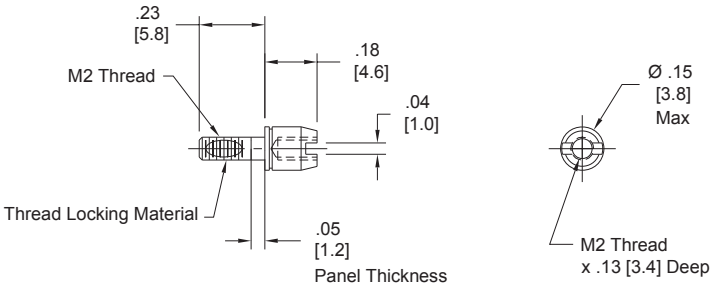
Material: Steel
Finish: Nickel Plated
Screw / Socket Thread Size: M2 / M2
Recommended Max. Torque: 2.5 inch·lbf [0.3 N·m]



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]

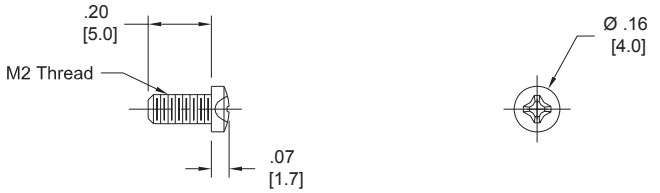


Board Lock Screw

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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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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