



D9 DZUS® Tech Line Quarter-Turn Fasteners

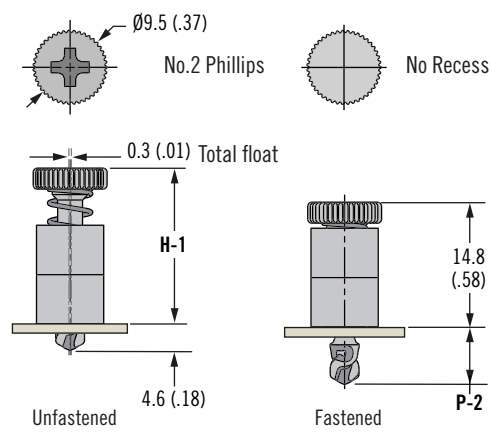
D9-52 Stud Assemblies · Press-in style

- Designed for hand or tool operation
- Spring ejected
- Wide variety of receptacle options
- Designate access points with color

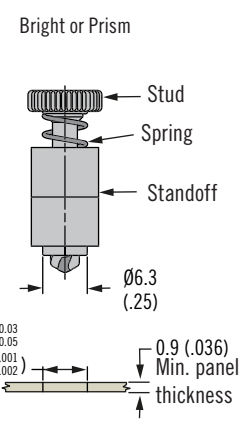
Material and Finish

Stud: Hardened carbon steel, zinc plated, chromate, plus sealer
 Spring: Music wire, zinc plated
 Standoff: Carbon steel, zinc plated, chromate, plus sealer
 Prism: PC/ABS

Press-in Style Stud Assembly



Installation



000 Black

008 Blue

013 Red

014 Green

Your color (contact Southco)

Stud Length Table																	
A			B			C			D			Stud Assemblies					
Flat receptacle D9-61-11 mounted below panel			Flat receptacle D9-61-11 mounted above panel			Saddle receptacle D9-62-11			Press-in receptacle D9-63-11			Part Number, Press-in					
TMT Range			TMT Range			TMT Range			TMT Range			P-2	H-1	Bright Head		Prism Head	
Min	Nomi-nal	Max	Min	Nomi-nal	Max	Min	Nomi-nal	Max	Min	Nomi-nal	Max			No Recess	Phillips Recess	No Recess	Phillips Recess
2.1 (.08)	2.8 (.11)	3.0 (.12)	2.9 (.11)	3.6 (.14)	3.8 (.15)	5.3 (.21)	6.0 (.24)	6.2 (.24)	1.4 (.06)	2.1 (.08)	2.3 (.09)	8.3 (.33)	18.5 (.73)	D9-52-1301-K	D9-52-1311-K	D9-52-1301-K000	D9-52-1311-K000
3.1 (.12)	3.8 (.15)	4.0 (.16)	3.9 (.15)	4.6 (.18)	4.8 (.19)	6.3 (.25)	7.0 (.28)	7.2 (.28)	2.4 (.09)	3.1 (.12)	3.3 (.13)	9.3 (.37)	19.5 (.77)	D9-52-1302-K	D9-52-1312-K	D9-52-1302-K000	D9-52-1312-K000
4.1 (.16)	4.8 (.19)	5.0 (.20)	4.9 (.19)	5.6 (.22)	5.8 (.23)	7.3 (.29)	8.0 (.31)	8.2 (.32)	3.4 (.13)	4.1 (.16)	4.3 (.17)	10.3 (.41)	20.5 (.81)	D9-52-1303-K	D9-52-1313-K	D9-52-1303-K000	D9-52-1313-K000
5.1 (.20)	5.8 (.23)	6.0 (.24)	5.9 (.23)	6.6 (.26)	6.8 (.27)	8.3 (.33)	9.0 (.35)	9.2 (.36)	4.4 (.17)	5.1 (.20)	5.3 (.21)	11.3 (.44)	21.5 (.85)	D9-52-1304-K	D9-52-1314-K	D9-52-1304-K000	D9-52-1314-K000

Installation notes:

1. Prepare panel as shown. Top edge of hole should be sharp.
2. Press stud assembly into panel until Standoff is installed as shown.
3. See page 543 for more installation guidelines.

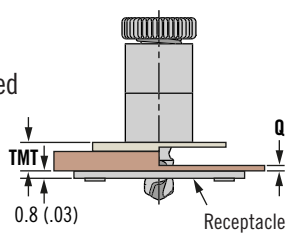
Specifying Prism Color:

To indicate color, change the last three digits of the part number. Example D9-52-1301-K000, black, D9-52-1301-K013, red

Q=0.9 (.035) MIN Frame Thickness (All receptacle views)

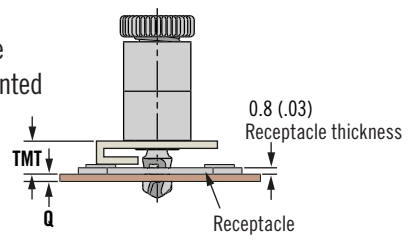
Column A

Flat receptacle D9-61-11 mounted below panel



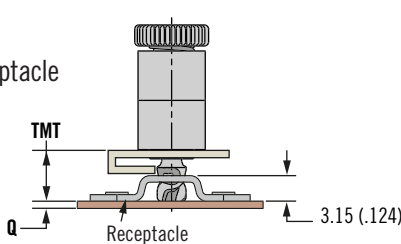
Column B

Flat receptacle D9-61-11 mounted above panel



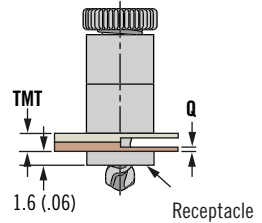
Column C

Saddle receptacle D9-62-11



Column D

Press-in receptacle D9-63-11



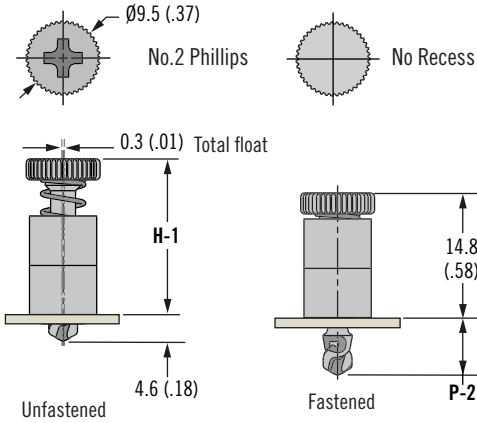
Dimensions in millimeters (inch) unless otherwise stated

D9 DZUS® Tech Line Quarter-Turn Fasteners

D9-52 Stud Assemblies · Flare-in Style

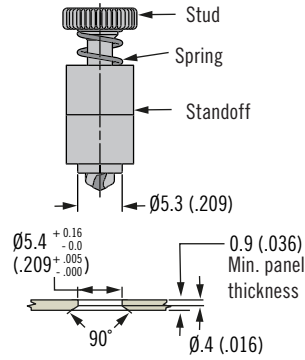


Flare-in Style Stud Assembly



Installation

Bright or Prism



- 000** Black 
- 008** Blue 
- 013** Red 
- 014** Green 
- Your color** (contact Southco) 

- Designed for hand or tool operation
- Spring ejected
- Wide variety of receptacle options
- Designate access points with color

Material and Finish

Stud: Steel, hardened, zinc plated plus sealer
 Spring: Music wire, zinc plated
 Standoff: Aluminum, natural
 Prism: PC/ABS

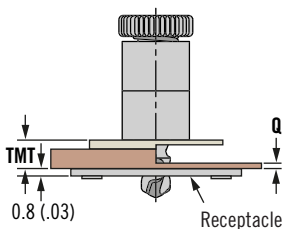
Stud Length Table

A			B			C			D			Stud Assemblies					
Flat receptacle D9-61-11 mounted below panel			Flat receptacle D9-61-11 mounted above panel			Saddle receptacle D9-62-11			Press-in receptacle D9-63-11			Part Number, Press-in					
TMT Range			TMT Range			TMT Range			TMT Range			P-2	H-1	Bright Head		Prism Head	
Min	Nominal	Max	Min	Nominal	Max	Min	Nominal	Max	Min	Nominal	Max			No Recess	Phillips Recess	No Recess	Phillips Recess
2.1 (.08)	2.8 (.11)	3.0 (.12)	2.9 (.11)	3.6 (.14)	3.8 (.15)	5.3 (.21)	6.0 (.24)	6.2 (.24)	1.4 (.06)	2.1 (.08)	2.3 (.09)	8.3 (.33)	18.5 (.73)	D9-52-3301-K	D9-52-3311-K	D9-52-3301-K000	D9-52-3311-K000
3.1 (.12)	3.8 (.15)	4.0 (.16)	3.9 (.15)	4.6 (.18)	4.8 (.19)	6.3 (.25)	7.0 (.28)	7.2 (.28)	2.4 (.09)	3.1 (.12)	3.3 (.13)	9.3 (.37)	19.5 (.77)	D9-52-3302-K	D9-52-3312-K	D9-52-3302-K000	D9-52-3312-K000
4.1 (.16)	4.8 (.19)	5.0 (.20)	4.9 (.19)	5.6 (.22)	5.8 (.23)	7.3 (.29)	8.0 (.31)	8.2 (.32)	3.4 (.13)	4.1 (.16)	4.3 (.17)	10.3 (.41)	20.5 (.81)	D9-52-3303-K	D9-52-3333-K	D9-52-3303-K000	D9-52-3333-K000
5.1 (.20)	5.8 (.23)	6.0 (.24)	5.9 (.23)	6.6 (.26)	6.8 (.27)	8.3 (.33)	9.0 (.35)	9.2 (.36)	4.4 (.17)	5.1 (.20)	5.3 (.21)	11.3 (.44)	21.5 (.85)	D9-52-3304-K	D9-52-3314-K	D9-52-3304-K000	D9-52-3314-K000

Q=0.9 (.035) MIN Frame Thickness (All receptacle views)

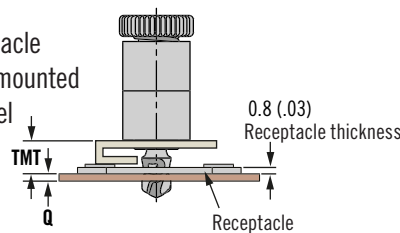
Column A

Flat receptacle D9-61-11 mounted below panel



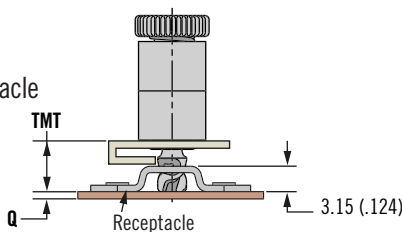
Column B

Flat receptacle D9-61-11 mounted above panel



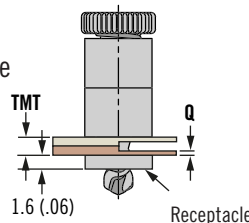
Column C

Saddle receptacle D9-62-11



Column D

Press-in receptacle D9-63-11



Installation notes:

1. Drill then counter-sink panel as shown.
2. Insert stud assembly into prepared hole in panel and flare stand-off using tool 47-106. Use LIGHT pressure

Specifying Prism Color:

To indicate color, change the last three digits of the part number. Example D9-52-1311-K000, black, D9-52-1311-K013, red



D9 DZUS® Tech Line Quarter-Turn Fasteners

Stud Assemblies · Press-in style

- Designed for hand operation
- Spring ejected
- Wide variety of receptacle options

Material and Finish

Stud and ferrule: Steel, hardened, zinc plated plus sealer
 Spring: Music wire, zinc plated
 Knob: Aluminum, natural or black powder coated

Installation Notes

1. Prepare panel as shown. Top edge of hole should be sharp.
2. Press stud assembly into panel until ferrule is installed as shown.
3. See page 543 for more installation guidelines.

Part Number

See table

Black Knob Option

For black powdered coated knob, add "000" to the part number.

Example:

D9-47-1301-K, natural
 D9-47-1301-K000, black

Receptacle Details

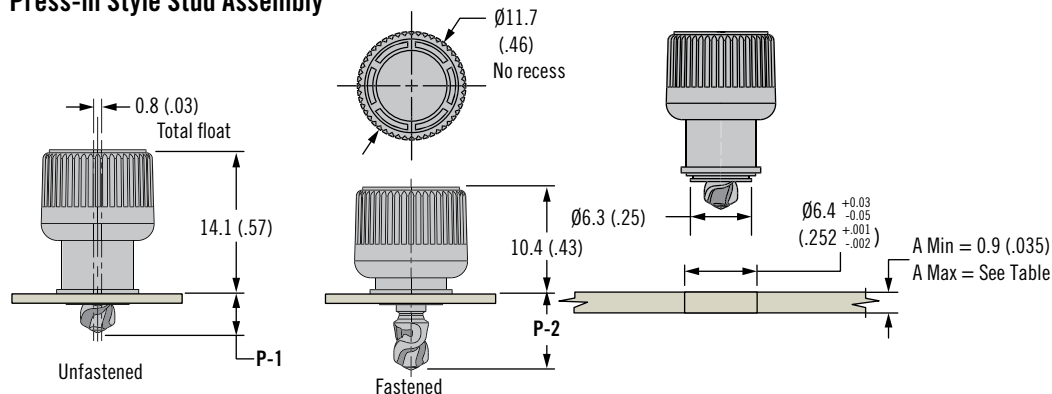
See page 409D

Notes



To ensure you receive **SOUTHCO®** quality parts, look for the segmented circle.

Press-in Style Stud Assembly



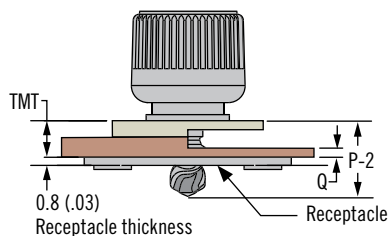
Stud Length Table															
A			B			C			D			Stud Assemblies			
Flat receptacle D9-61-11 mounted below panel			Flat receptacle D9-61-11 mounted above panel			Saddle receptacle D9-62-11			Press-in receptacle D9-63-11						
TMT Range			TMT Range			TMT Range			TMT Range			P-1	P-2	Stub Length	Part Number
Min	Nom-inal	Max	Min	Nom-inal	Max	Min	Nom-inal	Max	Min	Nom-inal	Max				
2.1 (.08)	2.8 (.11)	3.0 (.12)	2.9 (.11)	3.6 (.14)	3.8 (.15)	5.3 (.21)	6.0 (.24)	6.2 (.24)	1.4 (.06)	2.1 (.08)	2.3 (.09)	4.6 (.18)	8.3 (.33)	1	D9-47-1301-K
3.1 (.12)	3.8 (.15)	4.0 (.16)	3.9 (.15)	4.6 (.18)	4.8 (.19)	6.3 (.25)	7.0 (.28)	7.2 (.28)	2.4 (.09)	3.1 (.12)	3.3 (.13)	5.6 (.22)	9.3 (.37)	2	D9-47-1302-K
4.1 (.16)	4.8 (.19)	5.0 (.20)	4.9 (.19)	5.6 (.22)	5.8 (.23)	7.3 (.29)	8.0 (.31)	8.2 (.32)	3.4 (.13)	4.1 (.16)	4.3 (.17)	6.6 (.26)	10.3 (.41)	3	D9-47-1303-K
5.1 (.20)	5.8 (.23)	6.0 (.24)	5.9 (.23)	6.6 (.26)	6.8 (.27)	8.3 (.33)	9.0 (.35)	9.2 (.36)	4.4 (.17)	5.1 (.20)	5.3 (.21)	7.6 (.30)	11.3 (.44)	4	D9-47-1304-K

Receptacle Types (Stud Assembly shown fastened for P-2 = 8.75 (.34) all views)

Q = 0.9 (.035) MIN Frame (all receptacle views)

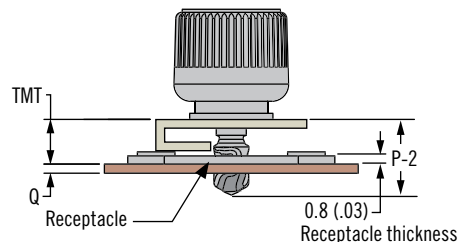
Column A

With flat receptacle D9-61-11 mounted below panel



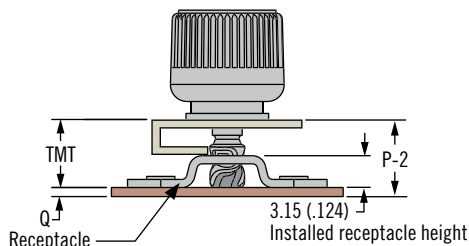
Column B

With flat receptacle D9-61-11 mounted above panel



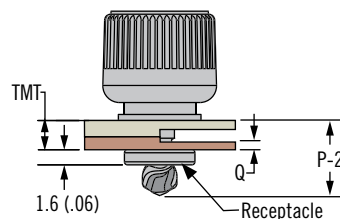
Column C

With saddle receptacle D9-62-11



Column D

With press-in receptacle D9-63-11



Dimensions in millimeters (inch) unless otherwise stated



www.southco.com/D9

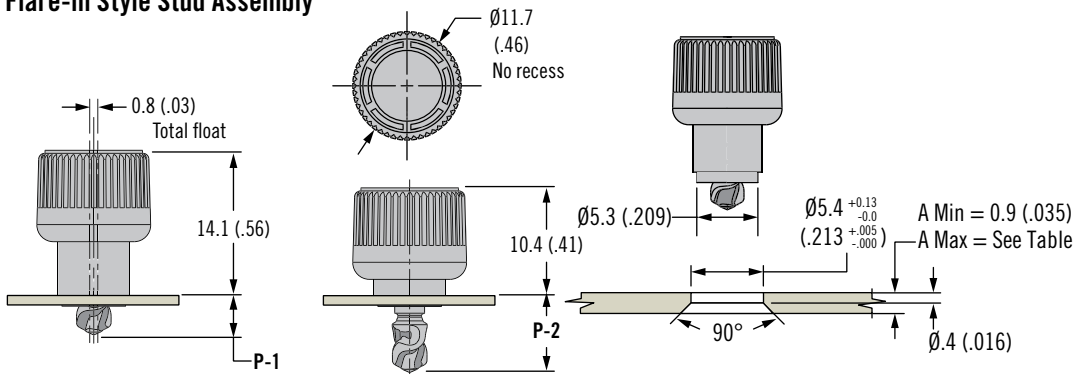
D9 DZUS® Tech Line Quarter-Turn Fasteners

Stud Assemblies · Flare-in style



409B

Flare-in Style Stud Assembly

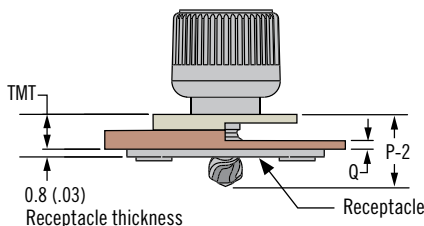


Stud Length Table															
A			B			C			D			Stud Assemblies			
Flat receptacle D9-61-11 mounted below panel			Flat receptacle D9-61-11 mounted above panel			Saddle receptacle D9-62-11			Press-in receptacle D9-63-11						
TMT Range			TMT Range			TMT Range			TMT Range			P-1	P-2	Stud Length	Part Number
Min	Nom-inal	Max	Min	Nom-inal	Max	Min	Nom-inal	Max	Min	Nom-inal	Max				
2.1 (.08)	2.8 (.11)	3.0 (.12)	2.9 (.11)	3.6 (.14)	3.8 (.15)	5.3 (.21)	6.0 (.24)	6.2 (.24)	1.4 (.06)	2.1 (.08)	2.3 (.09)	4.6 (.18)	8.3 (.33)	1	D9-47-3301-K
3.1 (.12)	3.8 (.15)	4.0 (.16)	3.9 (.15)	4.6 (.18)	4.8 (.19)	6.3 (.25)	7.0 (.28)	7.2 (.28)	2.4 (.09)	3.1 (.12)	3.3 (.13)	5.6 (.22)	9.3 (.37)	2	D9-47-3302-K
4.1 (.16)	4.8 (.19)	5.0 (.20)	4.9 (.19)	5.6 (.22)	5.8 (.23)	7.3 (.29)	8.0 (.31)	8.2 (.32)	3.4 (.13)	4.1 (.16)	4.3 (.17)	6.6 (.26)	10.3 (.41)	3	D9-47-3303-K
5.1 (.20)	5.8 (.23)	6.0 (.24)	5.9 (.23)	6.6 (.26)	6.8 (.27)	8.3 (.33)	9.0 (.35)	9.2 (.36)	4.4 (.17)	5.1 (.20)	5.3 (.21)	7.6 (.30)	11.3 (.44)	4	D9-47-3304-K

Receptacle Types (Stud Assembly shown fastened for P-2 = 9.3 (.366) all views)
Q = 0.9 (.035) MIN Frame (all receptacle views)

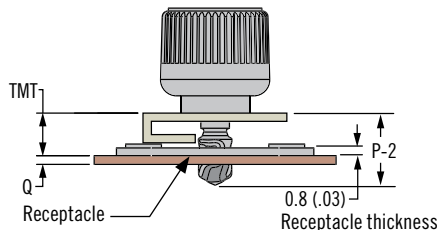
Column A

With flat receptacle D9-61-11 mounted below panel



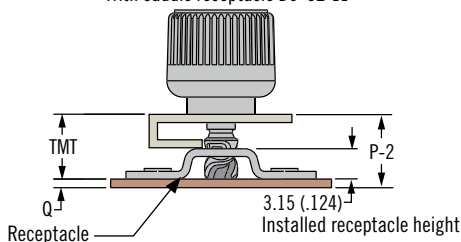
Column B

With flat receptacle D9-61-11 mounted above panel



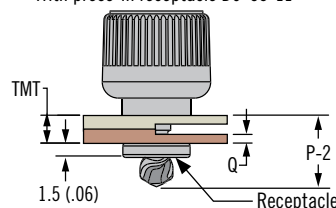
Column C

With saddle receptacle D9-62-11



Column D

With press-in receptacle D9-63-11



Dimensions in millimeters (inch) unless otherwise stated

- Designed for hand operation
- Spring ejected
- Wide variety of receptacle options

Material and Finish

Stud: Steel, hardened, zinc plated plus sealer
Spring: Music wire, zinc plated
Knob: Aluminum, natural or black powder coated
Ferrule: Aluminum, natural

Installation Notes

1. Drill then counter-sink panel as shown.
2. Insert stud assembly into prepared hole in panel and flare stand-off using tool 47-106. Use LIGHT pressure

Part Number

See table

Black Knob Option

For black powdered coated knob, add "000" to the part number.

Example:


D9-47-3301-K, natural

D9-47-3301-K000, black

Receptacle Details

See page 409D

Notes

 To ensure you receive **SOUTHCO®** quality parts, look for the segmented circle.



www.southco.com/D9



D9 DZUS® Tech Line Quarter-Turn Fasteners

Stud Assemblies · Surface Mount Technology (SMT) style

- Designed for hand operation
- Spring ejected
- Wide variety of receptacle options

Material and Finish

Stud: Steel, hardened, zinc plated plus sealer

Spring: Music wire, zinc plated

Knob: Aluminum, natural or black powder coated

Retainer (not shown): Plastic

Ferrule: Steel, tin plated

Installation Notes

Visit www.southco.com for additional installation guidelines

Part Number

See table

Black Knob Option

For black powdered coated knob, add "000" to the part number.

Example:

D9-47-2301-K, natural

D9-47-2301-K000, black

Specify Package Option

Indicate package option with last digit of the part number

Example

D9-47-2301-K-R, Reel Package (as shown in table)

D9-47-2301-K-T, Tray Package

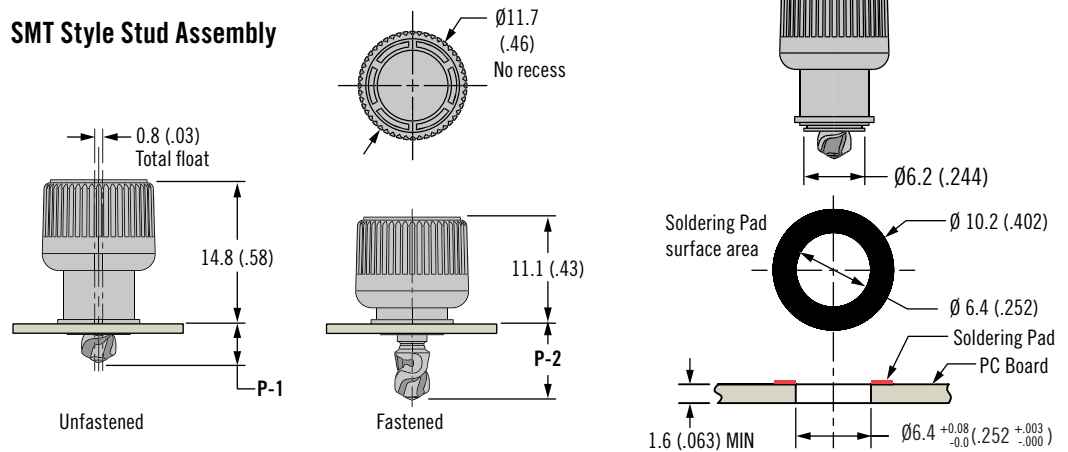
Receptacle Details

See page 409D

Notes

 To ensure you receive **SOUTHCO®** quality parts, look for the segmented circle.

SMT Style Stud Assembly



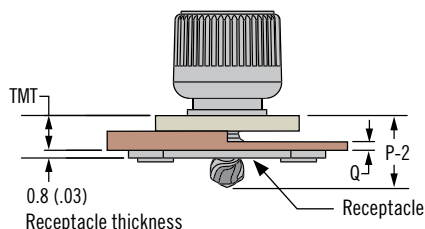
Stud Length Table															
A			B			C			D			Stud Assemblies			
Flat receptacle D9-61-11 mounted below panel			Flat receptacle D9-61-11 mounted above panel			Saddle receptacle D9-62-11			Press-in receptacle D9-63-11						
TMT Range			TMT Range			TMT Range			TMT Range						
Min	Nominal	Max	Min	Nominal	Max	Min	Nominal	Max	Min	Nominal	Max	P-1	P-2	Stud Length	Part Number
Stud length not viable			2.2 (.09)	2.9 (.11)	3.1 (.12)	4.55 (.18)	5.25 (.21)	5.45 (.21)	Stud length not viable			3.8 (.15)	7.45 (.29)	1	D9-47-2301-K-R
2.4 (.09)	3.1 (.12)	3.3 (.13)	3.2 (.13)	3.9 (.15)	4.1 (.16)	5.55 (.22)	6.25 (.25)	6.45 (.25)	Stud length not viable			4.8 (.19)	8.45 (.33)	2	D9-47-2302-K-R
3.4 (.13)	4.1 (.16)	4.3 (.17)	4.2 (.17)	4.9 (.19)	5.1 (.20)	6.55 (.26)	7.25 (.29)	7.45 (.29)	1.8 (.07)	2.5 (.10)	2.7 (.11)	5.8 (.23)	9.45 (.37)	3	D9-47-2303-K-R
4.4 (.17)	5.1 (.20)	5.3 (.21)	5.2 (.20)	5.9 (.23)	6.1 (.24)	7.55 (.30)	8.25 (.32)	8.45 (.33)	2.8 (.11)	3.5 (.14)	3.7 (.15)	6.8 (.27)	10.45 (.41)	4	D9-47-2304-K-R

Receptacle Types (Stud Assembly shown fastened for P-2 = 8.45 (.333) all views)

Q = 0.9 (.035) MIN Frame (all receptacle views)

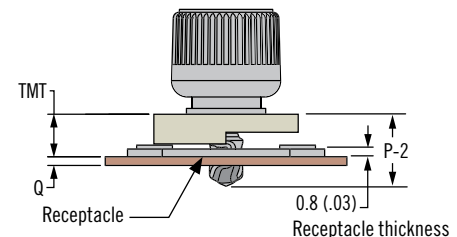
Column A

With flat receptacle D9-61-11 mounted below panel



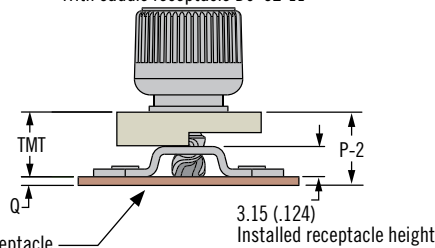
Column B

With flat receptacle D9-61-11 mounted above panel



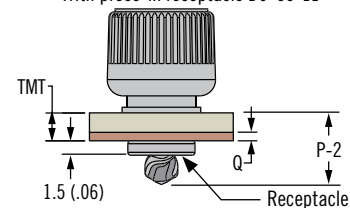
Column C

With saddle receptacle D9-62-11



Column D

With press-in receptacle D9-63-11



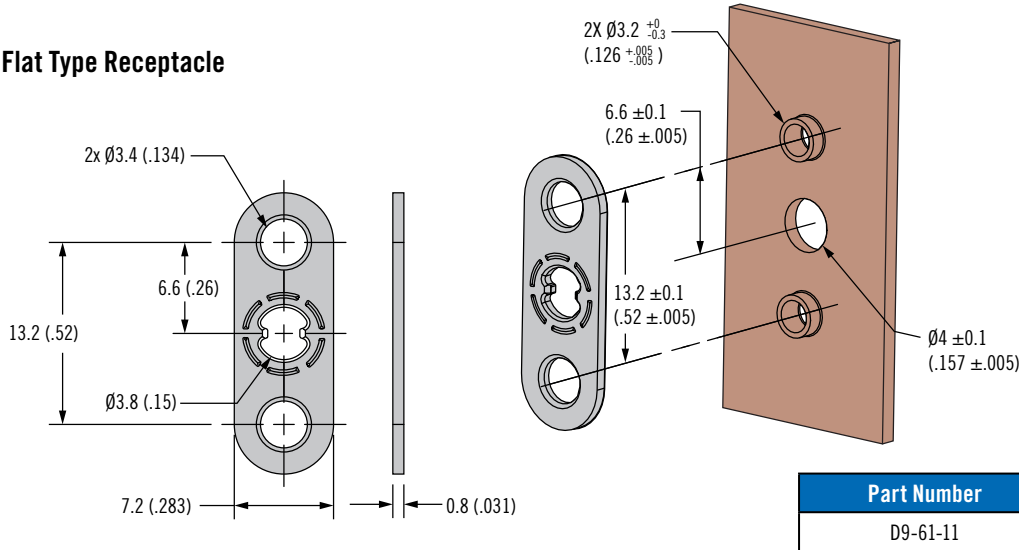
Dimensions in millimeters (inch) unless otherwise stated

D9 DZUS® Tech Line Quarter-Turn Fasteners Receptacles



409D

Flat Type Receptacle



Material and Finish

Steel, zinc plate

Suitable for use with all assembly styles and stud lengths

Part Number

See table

82

85

D8

D9

D1

D4

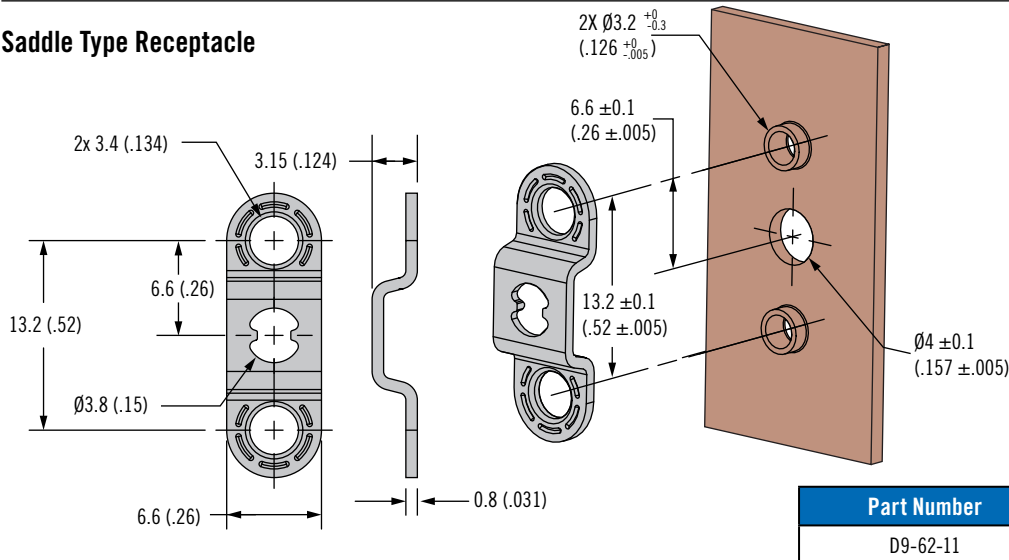
D5

D7

NY



Saddle Type Receptacle



Material and Finish

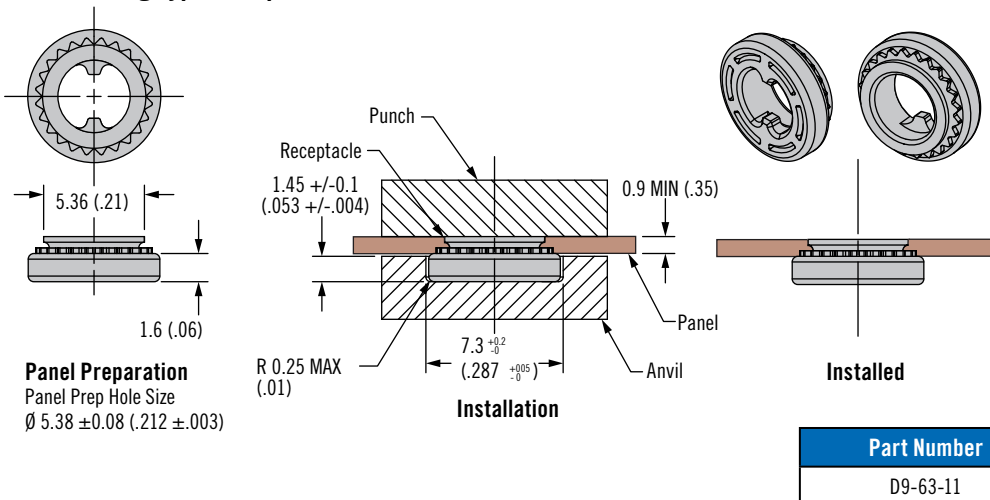
Steel, zinc plate

Suitable for use with all assembly styles and stud lengths

Part Number

See table

Self-Clinching Type Receptacle



Material and Finish

Steel, zinc plate plus sealer

Installation Notes

1. Drill or punch panel prep hole.
 2. Place receptacle into anvil and put panel over lip of receptacle
 3. While keeping punch and anvil parallel, apply force until shoulder of receptacle contacts panel.
- Recommended load of 13,400 N (3000 lbf) for steel, Rb 70 max, 11,200 N (2500 lbf) for aluminum

Part Number

See table