



# 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

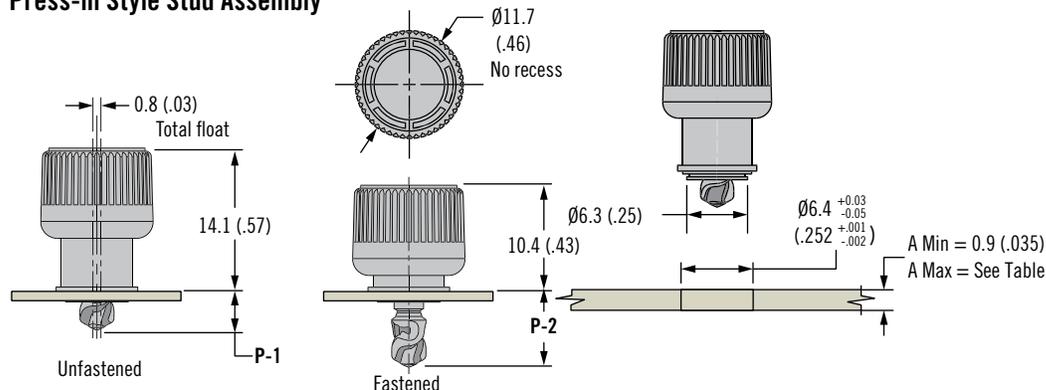
See page 409D

### Notes



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

### Press-in Style Stud Assembly



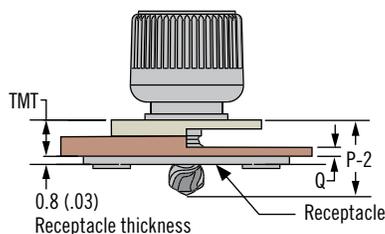
Stud Length Table															
A			B			C			D			Stud Assemblies			
Flat receptacle D9-61-11 mounted below panel			Flat receptacle D9-61-11 mounted above panel			Saddle receptacle D9-62-11			Press-in receptacle D9-63-11						
TMT Range			TMT Range			TMT Range			TMT Range			P-1	P-2	Stub Length	Part Number
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)

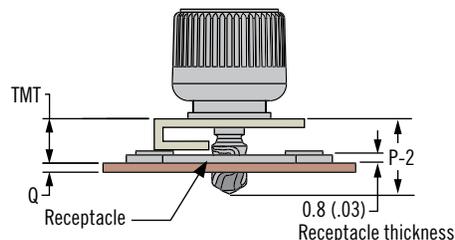
### Column A

With flat receptacle D9-61-11 mounted below panel



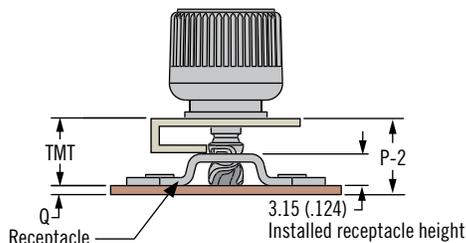
### Column B

With flat receptacle D9-61-11 mounted above panel



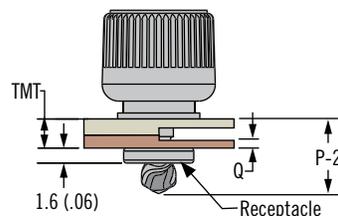
### Column C

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](http://www.southco.com/D9)

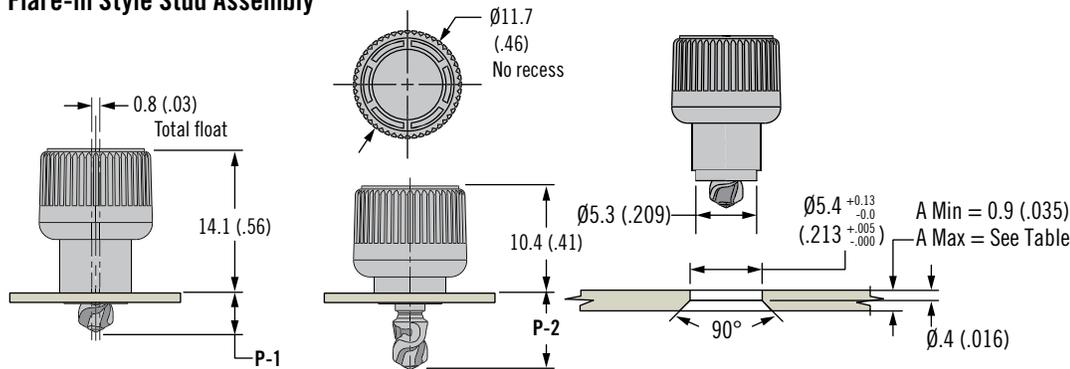
# D9 DZUS® Tech Line Quarter-Turn Fasteners

## Stud Assemblies · Flare-in style



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### Flare-in Style Stud Assembly

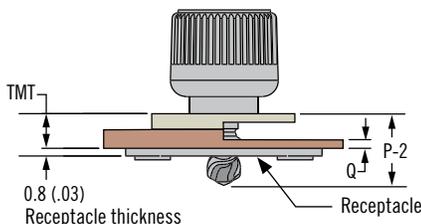


Stud Length Table															
A			B			C			D			Stud Assemblies			
Flat receptacle D9-61-11 mounted below panel			Flat receptacle D9-61-11 mounted above panel			Saddle receptacle D9-62-11			Press-in receptacle D9-63-11						
TMT Range			TMT Range			TMT Range			TMT Range			P-1	P-2	Stud Length	Part Number
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)

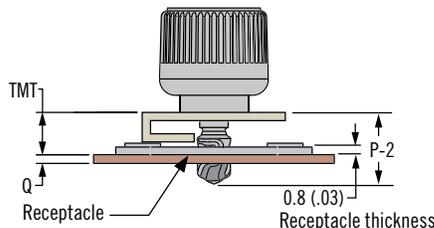
#### Column A

With flat receptacle D9-61-11 mounted below panel



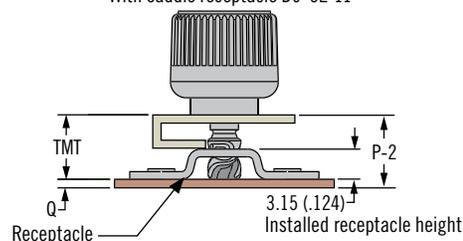
#### Column B

With flat receptacle D9-61-11 mounted above panel



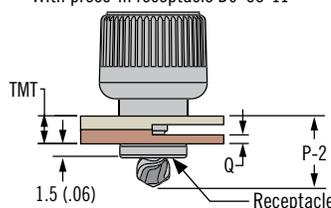
#### Column C

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](http://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](http://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

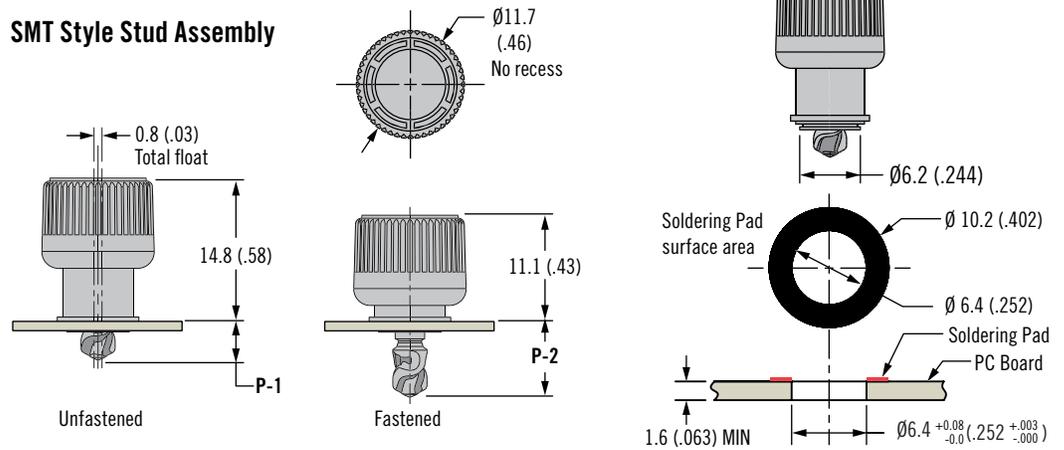
### Receptacle Details

See page 409D

### Notes

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

### SMT Style Stud Assembly

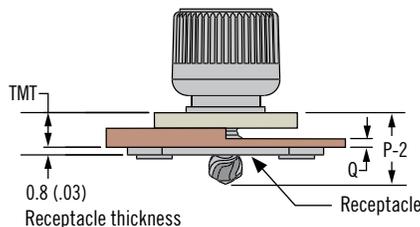


Stud Length Table															
A			B			C			D			Stud Assemblies			
Flat receptacle D9-61-11 mounted below panel			Flat receptacle D9-61-11 mounted above panel			Saddle receptacle D9-62-11			Press-in receptacle D9-63-11						
TMT Range			TMT Range			TMT Range			TMT Range						
Min	Nom-inal	Max	Min	Nom-inal	Max	Min	Nom-inal	Max	Min	Nom-inal	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)

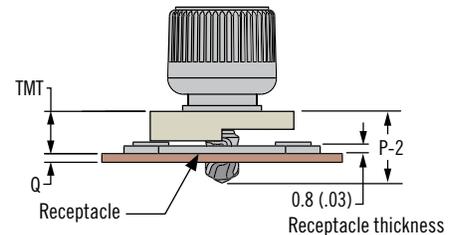
### Column A

With flat receptacle D9-61-11 mounted below panel



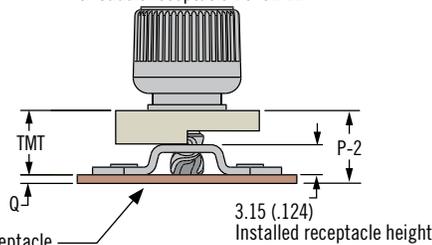
### Column B

With flat receptacle D9-61-11 mounted above panel



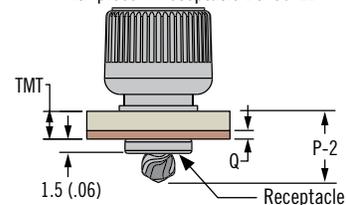
### Column C

With saddle receptacle D9-62-11



### Column D

With press-in receptacle D9-63-11



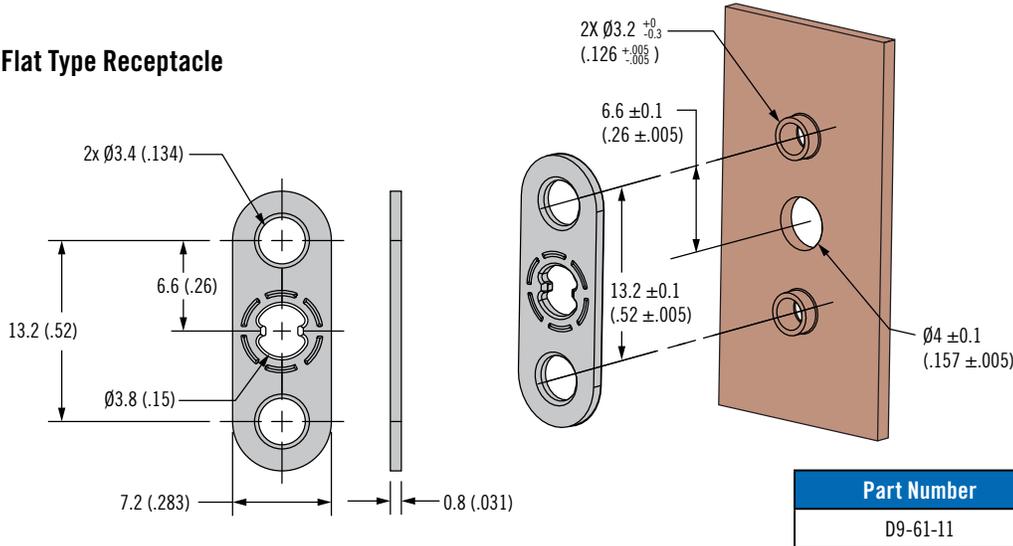
Dimensions in millimeters (inch) unless otherwise stated

# D9 DZUS® Tech Line Quarter-Turn Fasteners Receptacles



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## Flat Type Receptacle



### Material and Finish

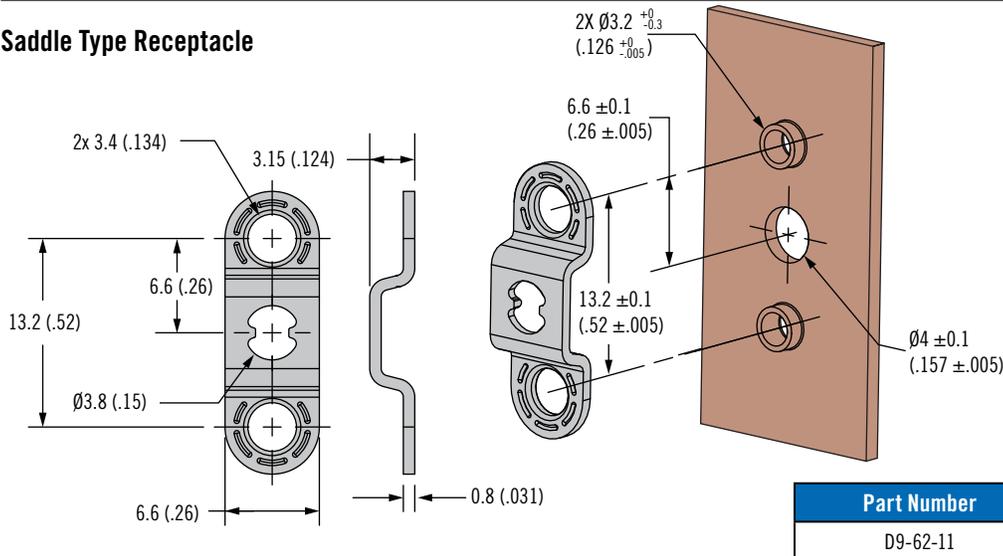
Steel, zinc plate

Suitable for use with all assembly styles and stud lengths

### Part Number

See table

## Saddle Type Receptacle



### Material and Finish

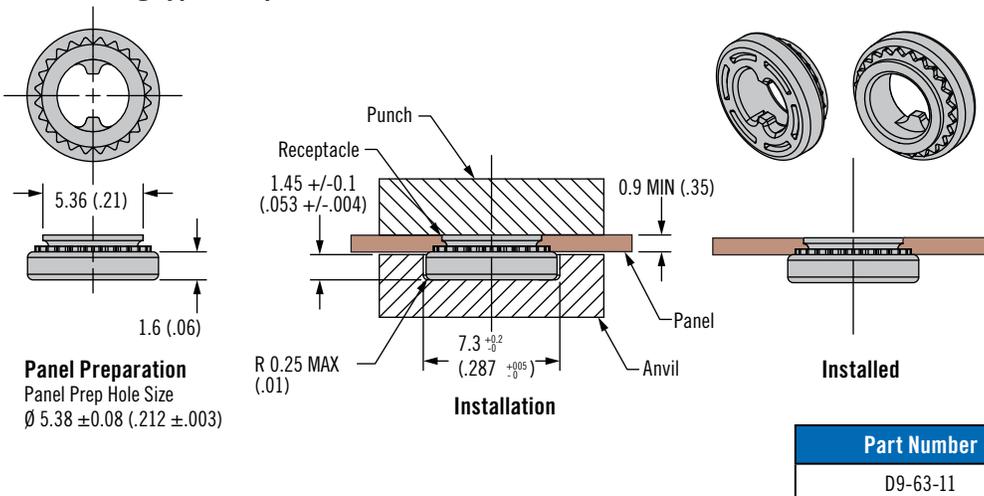
Steel, zinc plate

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