



D9 - *DZUS*® Tech Line Quick Access Fasteners

D9-PR PCI Riser Cage Fastener Assembly

- Designed for 2U Servers
- Hand operation
- Spring ejected
- Wide variety of receptacle options

Fastener Assembly Material and Finish

Cap: UL94-V0 PA6
 Assembly Cover: PC-ABS, black
 Pin, Washer: Stainless steel,
 passivate Lower Stud, Bracket, Clip:
 Steel, zinc plate Rotation Limiter,
 Upper Stud: Zinc alloy, chromate
 sealer

Installation Notes

Maximum installation torque
 of mounting screws to attach
 assembly covers
 0.7 Nm (6 in-lbs) using M3 screws.

Performance Details

Maximum torque to be applied to
 cap is 1.1 Nm (10 in-lbs)

Part Numbers

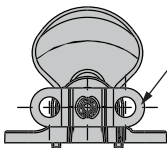
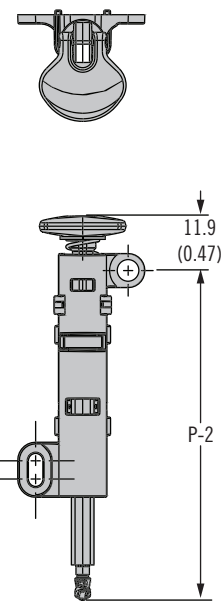
See tables

Receptacle Details

(order separately)

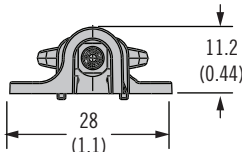
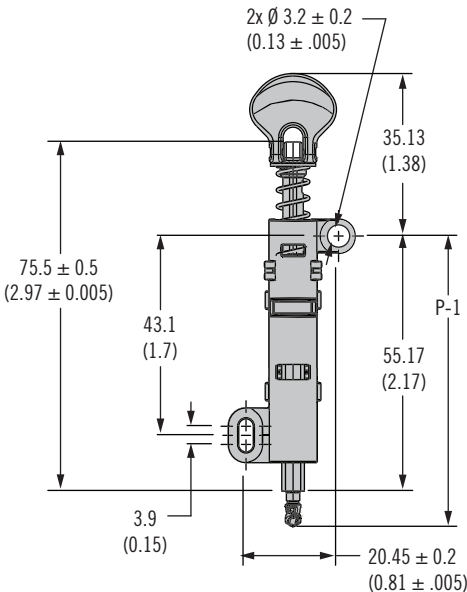
See page 471

Fastener Assembly



Fastened

Please note
 correct receptacle
 Orientation



Unfastened

To fasten, push on cap to place lower stud into receptacle and turn cap 180° and fold down.

Part Number	TMT	P-1	P-2	Cap Color
D9-PR-20-000	4.25 (0.16)	62.4 ± 1.2 (2.45 ± 0.04)	70.9 ± 1.2 (2.78 ± 0.04)	Black
D9-PR-20-072				Blue
D9-PR-21-000	4.45 (0.17)	62.6 ± 1.2 (2.46 ± 0.04)	71.1 ± 1.2 (2.79 ± 0.04)	Black
D9-PR-21-072				Blue
D9-PR-22-000	4.65 (0.18)	62.8 ± 1.2 (2.47 ± 0.04)	71.3 ± 1.2 (2.80 ± 0.04)	Black
D9-PR-22-072				Blue

TMT = Customer panel thickness + Customer PCB thickness + Southco receptacle
 thickness + Southco gasket compressed thickness (0.55 mm)

Gasket

Part Number	Material	Color
D9-81 (order separately)	High density foam	Gray

Ø 11.9 ± 0.2
(.47 ± .005)

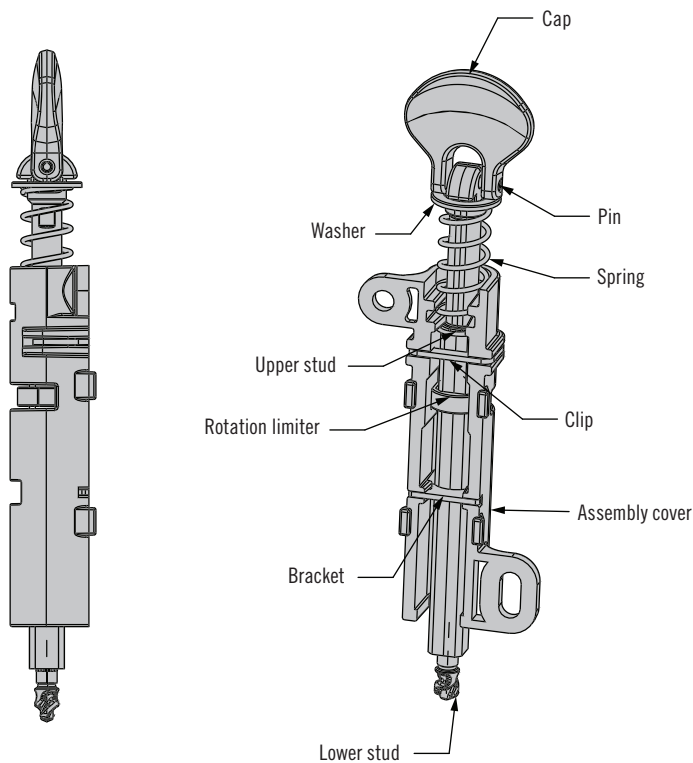
Ø 4.5 ± 0.1
(.18 ± .005)

1.6 ± 0.1
(.06 ± .005)

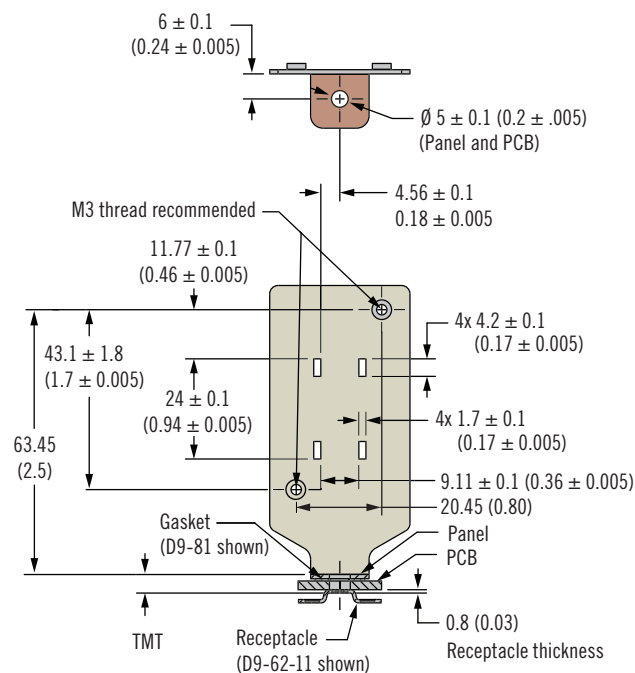
Recommended compressed
 thickness -0.55mm
 Pressure sensitive
 adhesive on one side

D9 - *DZUS*[®] Tech Line Quick Access Fasteners

D9-PR PCI Riser Cage Fastener Assembly

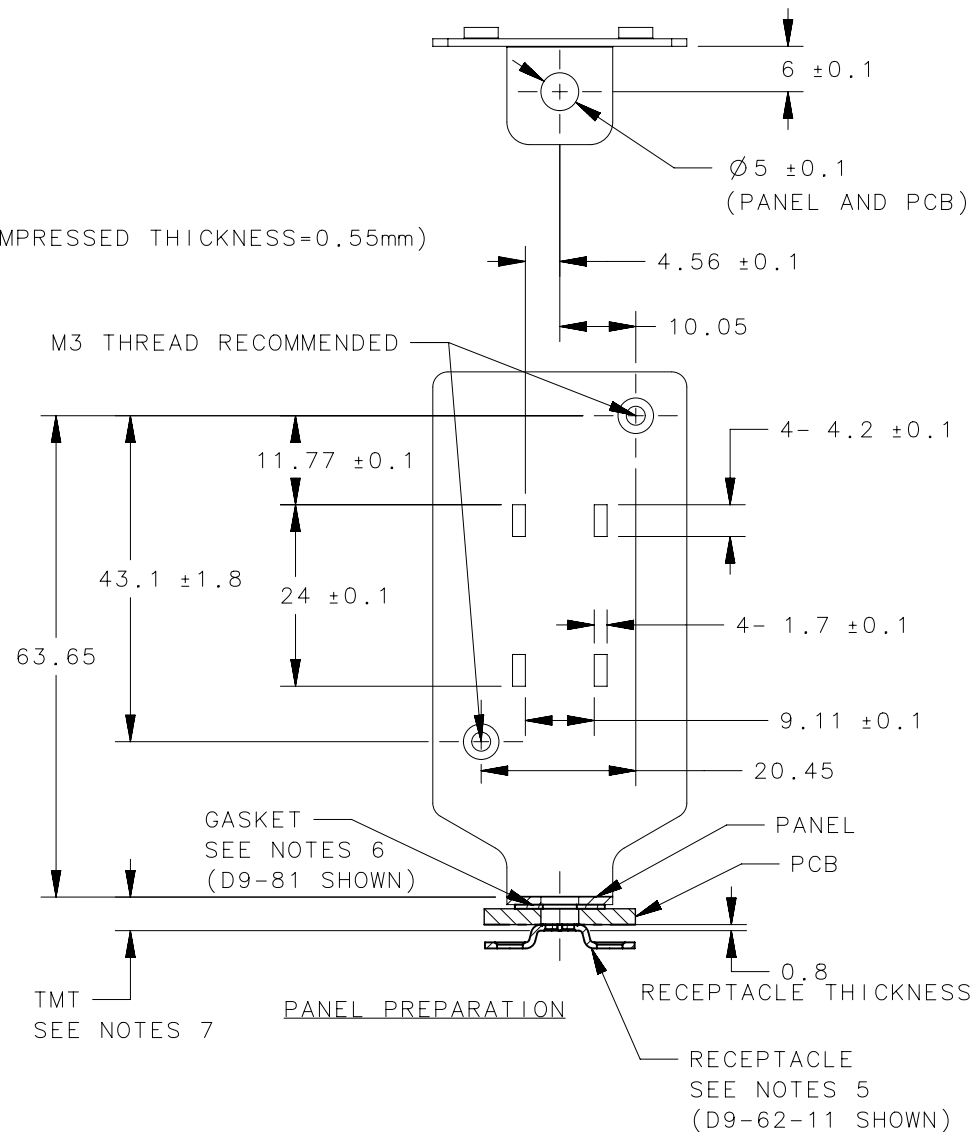
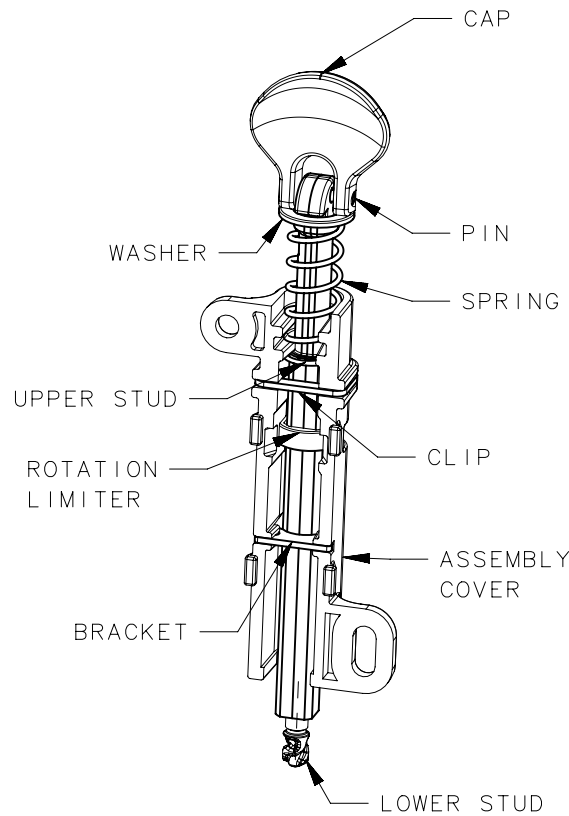
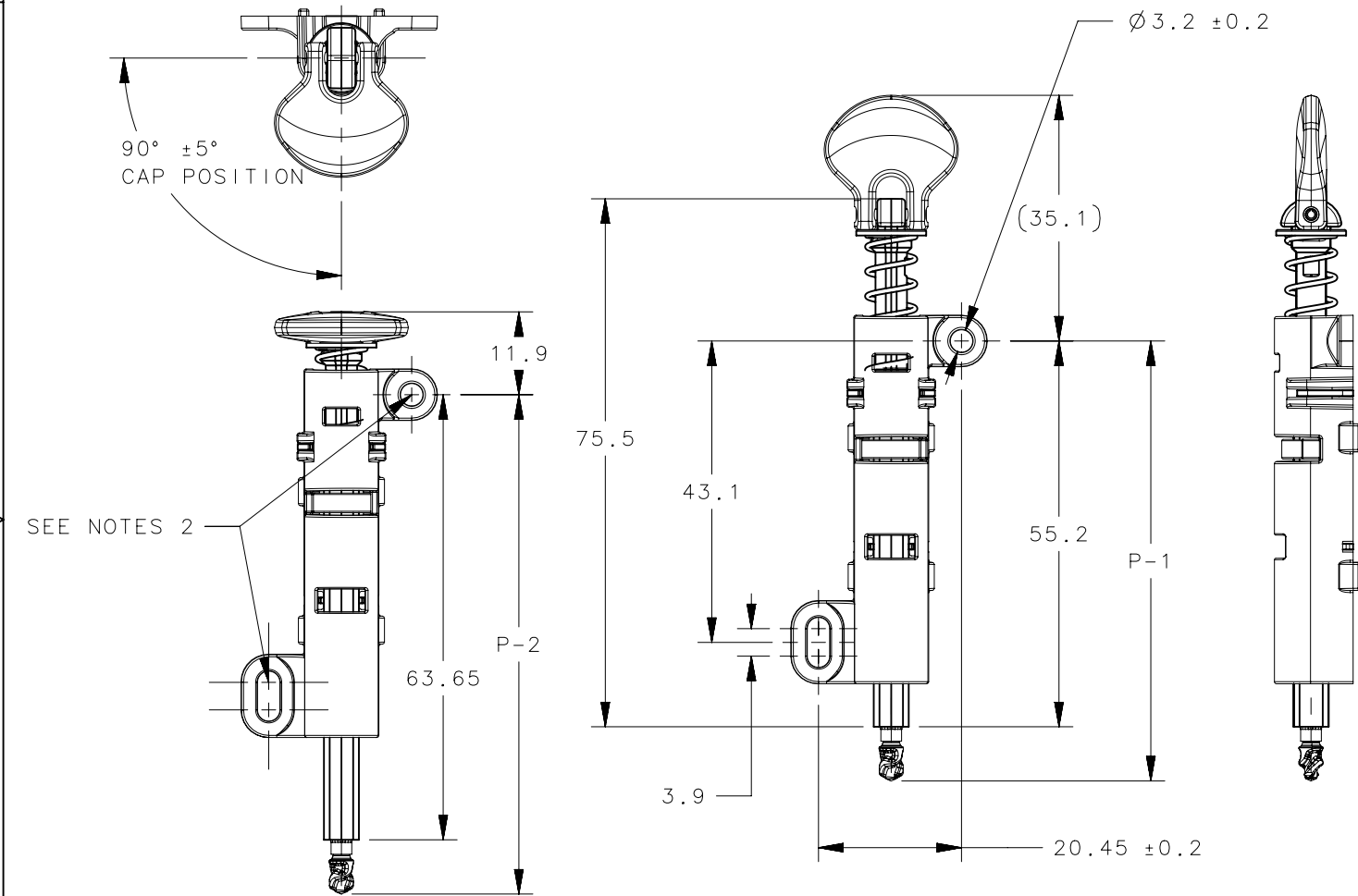


Panel Preparation

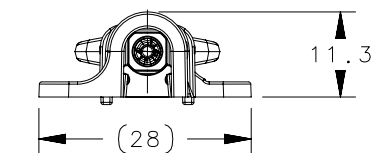


- NOTES:
1. ASSEMBLY AND ALL ITS COMPONENTS ARE RoHS COMPLIANT.
 2. MAXIMUM INSTALLATION TORQUE ALLOWED TO ATTACH COVER SCREWS IS 0.7 Nm (6 IN-LBS) AND M3 THREAD RECOMMENDED. AND DO NOT SUGGEST TO USE FLAT HEAD SCREW OR OVAL HEAD SCREW.
 3. MAXIMUM TORQUE APPLICABLE TO BAIL 1.1 Nm (10 IN-LBS).
 4. COSMETIC SPECIFICATION:
ALL SURFACES ON BAIL CAP AND COVER VISIBLE AFTER INSTALLATION INTO SERVER ARE TO BE CLASS "B". ALL OTHER SURFACES ARE TO CONFORM TO A CLASS "C" DESIGNATION AS DESCRIBED IN SOUTHCO COSMETIC SPECIFICATIONS: S-121.
 5. SOUTHCO RECEPTACLE D9-61-11,D9-62-11 OR D9-63-11 ORDERED SEPARATELY. SEE J-D9-61,J-D9-62 OR J-D9-63 FOR DETAIL DIMENSIONS.
 6. SOUTHCO GASKET D9-81 ORDERED SEPARATELY, SEE J-D9-81 FOR DETAIL DIMENSIONS.
 7. TMT=CUSTOMER PANEL THICKNESS+CUSTOMER PCB THICKNESS+SOUTHCO RECEPTACLE THICKNESS+SOUTHCO GASKET COMPRESSED THICKNESS(COMPRESSED THICKNESS=0.55mm)
 8. TO FASTEN,PUSH ON CAP TO PLACE LOWER STUD INTO RECEPTACLE AND TURN CAP 180° AND FOLD DOWN.

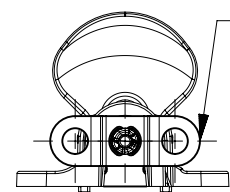
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
B	19OCT2022	DL/ED	PRN:P2022-1850



LOCKED



UNLOCKED



ASSEMBLY PART NUMBER	"EEE" CAP COLOR	TMT	P-1	P-2
D9-PR-20-EEE	000=BLACK , 072=BLUE FOR ADDITIONAL COLORS SEE J-47-0-3	4.25	62.4+/-1.2	70.9+/-1.2
D9-PR-21-EEE		4.45	62.6+/-1.2	71.1+/-1.2
D9-PR-22-EEE		4.65	62.8+/-1.2	71.3+/-1.2

WASHER	STAINLESS STEEL	PASSIVATE
ROTATION LIMITER	ZAMAK 3	CHROMATE SEALER
CAP	UL94-V0 PA6	PANTONE 279C
ASSEMBLY COVER	PC-ABS	BLACK
SPRING	MUSIC WIRE	ZINC PLATE
LOWER STUD	STEEL	ZINC PLATE
UPPER STUD	ZAMAK 3	CHROMATE SEALER
BRACKET	STEEL	NATURAL
PIN	STAINLESS STEEL	PASSIVATE
CLIP	STEEL	ZINC PLATE
TYPE OF COMPONENT	MATERIAL	FINISH/COLOR

PROPRIETARY ITEM
EXCEPT FOR USES EXPRESSLY GRANTED
IN WRITING, INFORMATION DISCLOSED
HEREON IS CONFIDENTIAL AND ALL
RIGHTS, PATENT AND OTHERWISE,
ARE RESERVED BY SOUTHCO, INC.

THIRD ANGLE
PROJECTION
MILLIMETERS [IN]
TOLERANCES UNLESS OTHERWISE NOTED
ALL DIMENSIONS WITHOUT
TOLERANCES ARE FOR
REFERENCE ONLY.
PER ASME Y14.5M-1994

D9-PR		PCI RISER ASSEMBLY	
PART NUMBER		TYPE OF COMPONENT	
southco® CONNECT • CREATE • INNOVATE			
DESCRIPTION			
QUICK ACCESS FASTENER PCI LOCKDOWN ASSEMBLY			
SIZE A3	SYSTEM NX	DWG NO. J-D9-PR	
DRAWN BY DL	DATE 21DEC2020	SCALE 1 : 1	SHEET 1 OF 1