

REVISION HISTORY

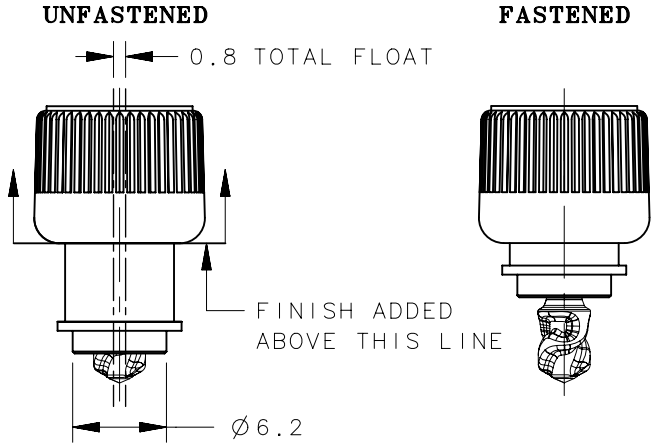
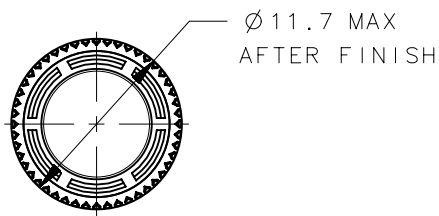
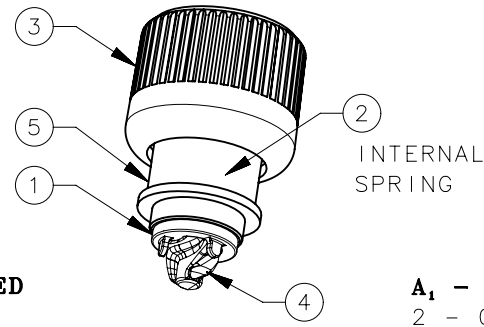
REV	DATE	BY	DESCRIPTION
D	26JUL2019	ZAA/CMS	PRN: P2019-1795

ASSEMBLY PART NUMBER

D9-47-230A₄-KEEE-P

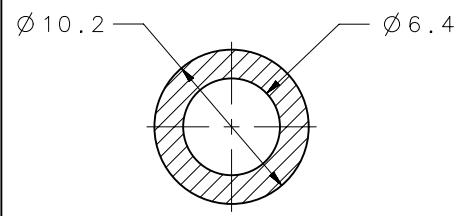
- K - KNOB STYLE**
K - KNURLED
- EEE - KNOB COLOR**
BLANK - METAL, BRIGHT
SEE J-47-0-3 FOR
ADDITIONAL SUFFIXES
- P - PACKAGING**
R - REEL SEE SHEET 4

- A₁ - INSTALL**
2 - 0.9 - 1.5 PANEL ("A")
- A₂ - STUD OD**
3 - Ø 3.5 STUD OD
- A₃ - RECESS**
0 - NO RECESS
- A₄ - STUD LENGTH**
1
2
3
4

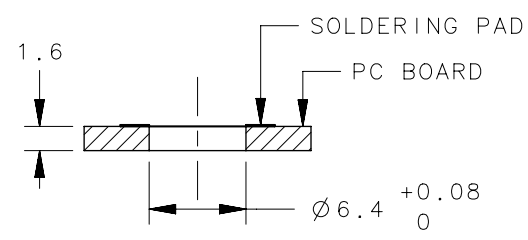


PC BOARD PREPARATION

SOLDERING PAD SURFACE AREA



(PASTE TO PAD 1:1)
SEE NOTE 2



TO INSTALL FASTENER:

1. DRILL A HOLE IN PCB PER PCB PREPARATION VIEW.
2. PRINT THE PCB BOARD WITH SOLDER PASTE.
THE SOLDER PASTE SHOULD COVER THE SOLDER PAD.
3. USE SMT MACHINE TO PICK AND PLACE FASTENER ASSEMBLIES WITH RETAINER INTO PANEL HOLE.
4. RUN THE PCB WITH ATTACHED FASTENER ASSEMBLIES THRU SOLDERING MACHINE TO PERMANENTLY ATTACH THE FASTENERS. THE PCB BOARDS WILL CONTINUE THROUGH THE SET UP HEAT SOLDERING CHAMBER AND FINISH THE CYCLE.
MAXIMUM TEMP 535°F (280°C).
5. REMOVE (SPIN OFF IN CCW DIRECTION) AND DISCARD RETAINERS AFTER SOLDERING IS COMPLETE.
6. SEE SHEET 4 FOR PACKAGING INFORMATION.

MATERIAL AND FINISH: RoHS COMPLIANT

STUD: STEEL, HARDENED,
ZINC PLATE PLUS SEALER
FERRULE: STEEL, TIN PLATE
SPRING: MUSIC WIRE, ZINC PLATE
KNOB: 6000 SERIES ALUMINUM, NATURAL OR
POWDER COATED
RETAINER: UL94-V0 PA9T, NATURAL

5	-	1	FERRULE
4	-	1	STUD
3	-	1	KNOB
2	-	1	SPRING
1	-	1	RETAINER
-	D9-47-230A-KEEE-P	-	ASSEMBLY
NO.	PART NUMBER	QTY	TYPE OF COMPONENT

THIRD ANGLE PROJECTION

MILLIMETERS [IN]

TOLERANCES UNLESS OTHERWISE NOTED

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

PER ASME Y14.5M-1994

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.

southco[®]
CONNECT • CREATE • INNOVATE

DESCRIPTION
QUICK ACCESS FASTENER
D9-47 SMT STYLE, 3.5 STUD SIZE

SIZE A4	SYSTEM NX	DWG NO. J-D9-47-230-K
------------	--------------	--------------------------

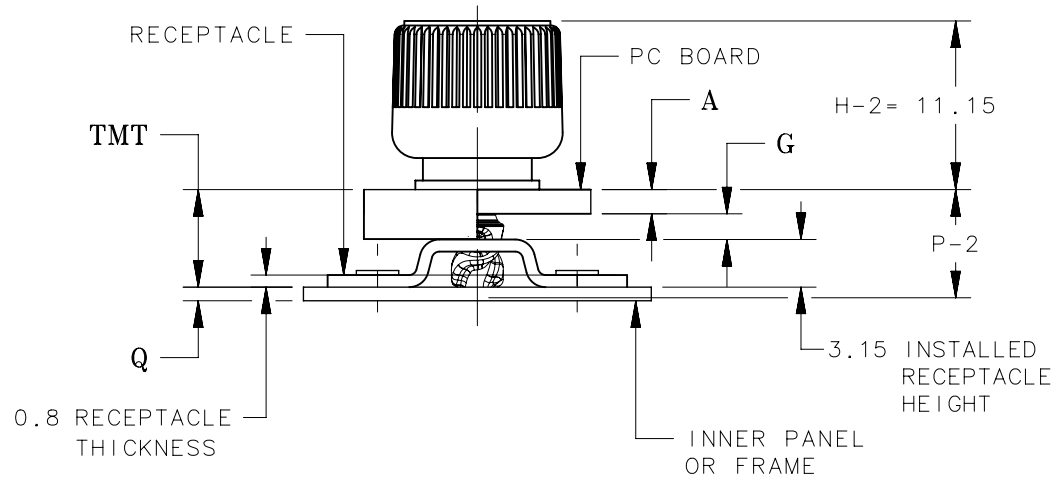
DRAWN BY IR/ DATE 09 DEC 15 SCALE DNS SHEET 1 OF 4

STUD LENGTH 2 SHOWN IN ALL VIEWS.

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
D	26JUL2019	ZAA/CMS	PRN: P2019-1795

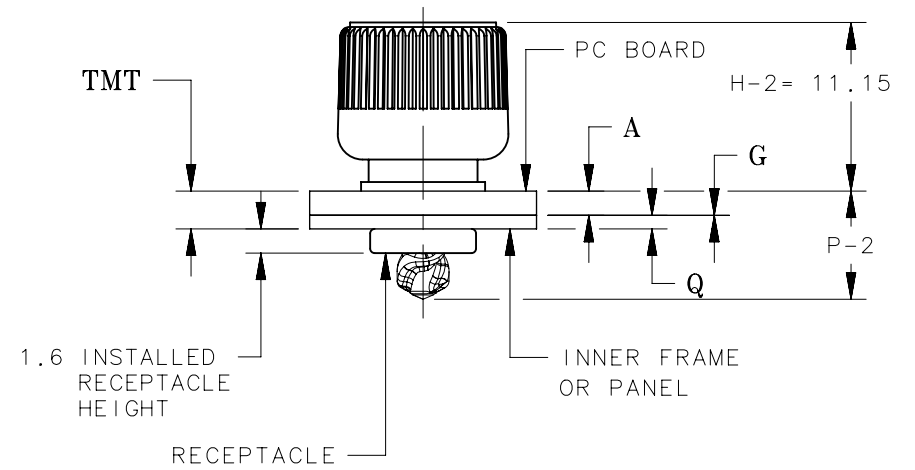
**WITH SADDLE RECEPTACLE D9-62-11
(ORDER SEPARATELY)**

$TMT = A+G+3.15$



**WITH PRESS-IN RECEPTACLE D9-63-11
(ORDER SEPARATELY)**

$TMT = A+G+Q$



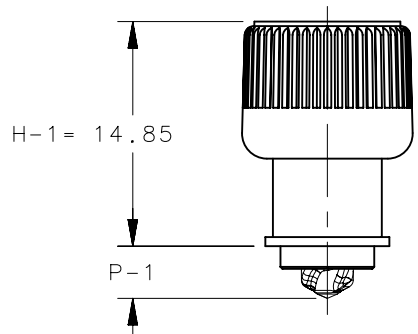
SADDLE STYLE RECEPTACLE (REEL PACKAGE SHOWN)						
STUD ASSEMBLY PART NUMBER	STUD LENGTH	P-1 MAX	P-2 MAX	TMT RANGE		
				MIN.	NOMINAL	MAX.
D9-47-2301-K-R	1	3.8	7.45	4.55	5.25	5.45
D9-47-2302-K-R	2	4.8	8.45	5.55	6.25	6.45
D9-47-2303-K-R	3	5.8	9.45	6.55	7.25	7.45
D9-47-2304-K-R	4	6.8	10.45	7.55	8.25	8.45

SEE J-D9-62 FOR SADDLE RECEPTACLE INFORMATION

PRESS-IN STYLE RECEPTACLE (REEL PACKAGE SHOWN)						
STUD ASSEMBLY PART NUMBER	STUD LENGTH	P-1 MAX	P-2 MAX	TMT RANGE		
				MIN.	NOMINAL	MAX.
D9-47-2301-K-R	1	STUD LENGTH NOT VIABLE				
D9-47-2302-K-R	2	STUD LENGTH NOT VIABLE				
D9-47-2303-K-R	3	5.8	9.45	1.8	2.5	2.7
D9-47-2304-K-R	4	6.8	10.45	2.8	3.5	3.7

SEE J-D9-63 FOR PRESS-IN RECEPTACLE INFORMATION

TMT = TOTAL MATERIAL THICKNESS
 A = 1.6 MIN PC BOARD THICKNESS
 G = GAP
 Q = 0.9 MIN FRAME THICKNESS



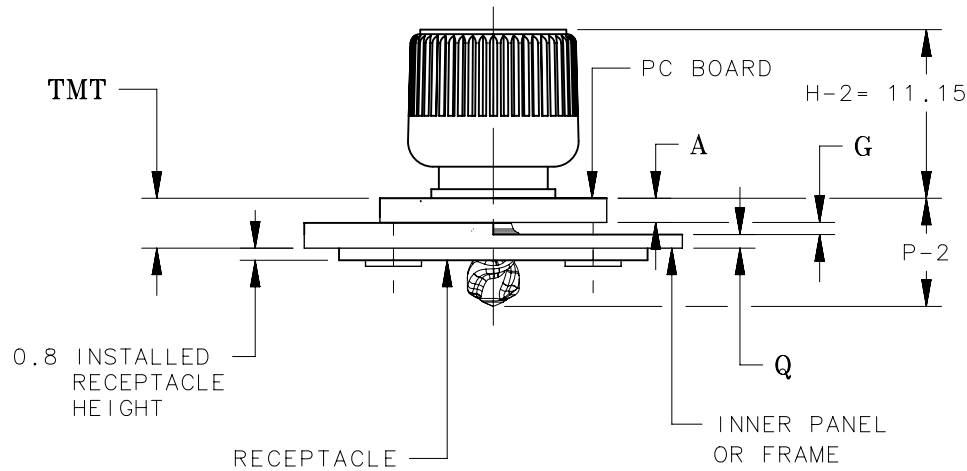
UNFASTENED

	THIRD ANGLE PROJECTION					southco [®] CONNECT • CREATE • INNOVATE			
	MILLIMETERS [IN]								
	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION				QUICK ACCESS FASTENER			
	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	D9-47 SMT STYLE, 3.5 STUD SIZE							
	PROPRIETARY ITEM	SIZE	SYSTEM	DWG NO.					
	EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	A4	NX	J-D9-47-230-K					
	PER ASME Y14.5M-1994	DRAWN BY	DATE	SCALE	SHEET				
		IR/	09 DEC 15	DNS	2 OF 4				

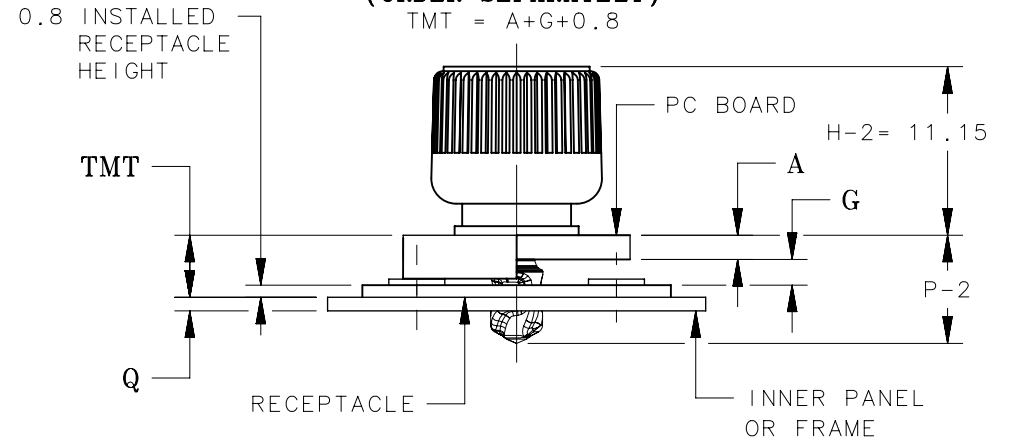
LENGTH 2 STUD SHOWN IN ALL VIEWS.

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
D	26JUL2019	ZAA/CMS	PRN: P2019-1795

**WITH FLAT RECEPTACLE D9-61-11
MOUNTED BELOW PANEL
(ORDER SEPARATELY)**
TMT = A+G+Q



**WITH FLAT RECEPTACLE D9-61-11
MOUNTED ABOVE PANEL
(ORDER SEPARATELY)**
TMT = A+G+0.8



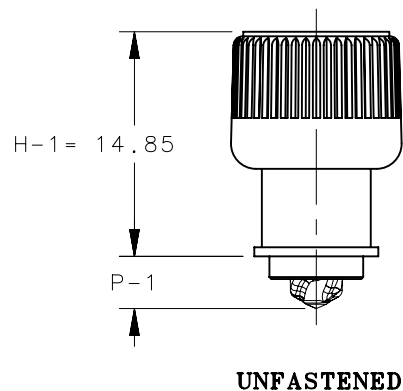
FLAT RECEPTACLE MOUNTED BELOW PANEL (REEL PACKAGE SHOWN)						
STUD ASSEMBLY PART NUMBER	STUD LENGTH	P-1 MAX	P-2 MAX	TMT RANGE		
				MIN.	NOMINAL	MAX.
D9-47-2301-K-R	1	STUD LENGTH NOT VIABLE				
D9-47-2302-K-R	2	4.8	8.45	2.4	3.1	3.3
D9-47-2303-K-R	3	5.8	9.45	3.4	4.1	4.3
D9-47-2304-K-R	4	6.8	10.45	4.4	5.1	5.3

SEE J-D9-61 FOR FLAT RECEPTACLE INFORMATION

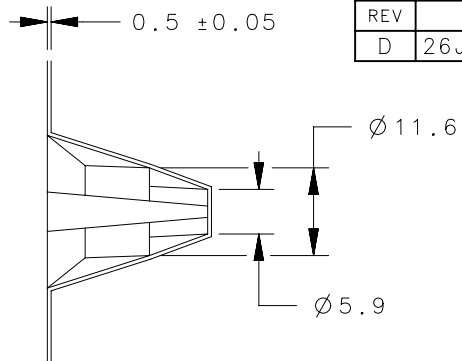
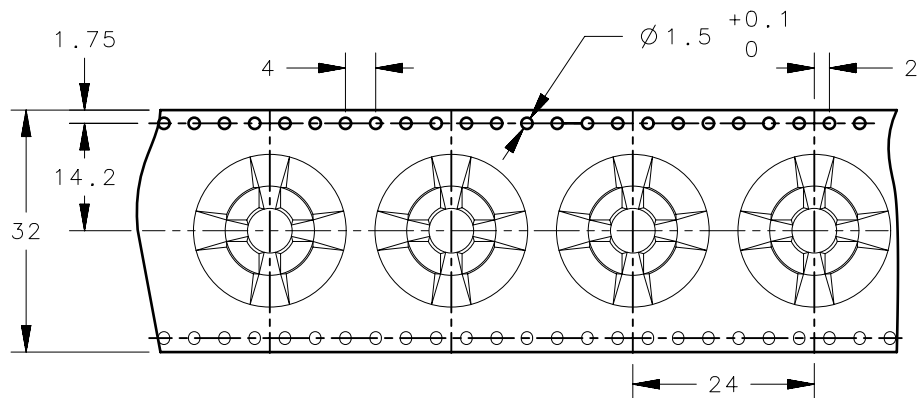
FLAT RECEPTACLE MOUNTED ABOVE PANEL (REEL PACKAGE SHOWN)						
STUD ASSEMBLY PART NUMBER	STUD LENGTH	P-1 MAX	P-2 MAX	TMT RANGE		
				MIN.	NOMINAL	MAX.
D9-47-2301-K-R	1	3.8	7.45	2.2	2.9	3.1
D9-47-2302-K-R	2	4.8	8.45	3.2	3.9	4.1
D9-47-2303-K-R	3	5.8	9.45	4.2	4.9	5.1
D9-47-2304-K-R	4	6.8	10.45	5.2	5.9	6.1

SEE J-D9-61 FOR FLAT RECEPTACLE INFORMATION

TMT = TOTAL MATERIAL THICKNESS
A = 1.6 MIN PC BOARD THICKNESS
G = GAP
Q = 0.9 MIN FRAME THICKNESS

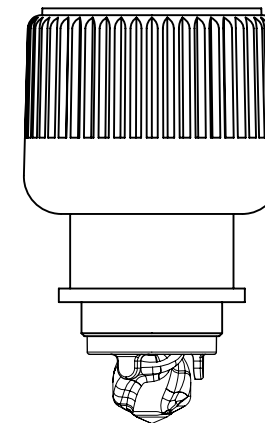


	THIRD ANGLE PROJECTION				
	MILLIMETERS [IN]				
	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION			
	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	QUICK ACCESS FASTENER D9-47 SMT STYLE, 3.5 STUD SIZE			
	PROPRIETARY ITEM EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	SIZE A4	SYSTEM NX	DWG NO. J-D9-47-230-K	
	PER ASME Y14.5M-1994	DRAWN BY IR/	DATE 09 DEC 15	SCALE DNS	SHEET 3 OF 4

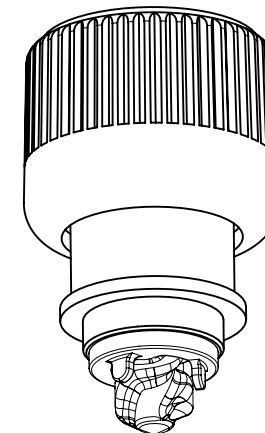


REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
D	26JUL2019	ZAA/CMS	PRN: P2019-1795

REEL PACKAGE: 13 INCH REEL TAPE PER EIA-481, 100 PIECES PER REEL
 MATERIAL: POLYSTYRENE, BLACK
 ALL TOLERANCE +/- 0.10 UNLESS NOTED



WITH RETAINER HOLDING KNOB
 IN WAVE SOLDER POSITION



	THIRD ANGLE PROJECTION	 CONNECT • CREATE • INNOVATE			
	MILLIMETERS [IN]				
	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION			
	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	QUICK ACCESS FASTENER D9-47 SMT STYLE, 3.5 STUD SIZE			
	PROPRIETARY ITEM	SIZE	SYSTEM	DWG NO.	
	EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	A4	NX	J-D9-47-230-K	
	PER ASME Y14.5M-1994	DRAWN BY	DATE	SCALE	SHEET
		IR/	09 DEC 15	DNS	4 OF 4