

SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability

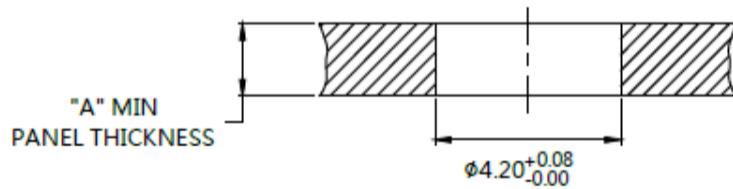
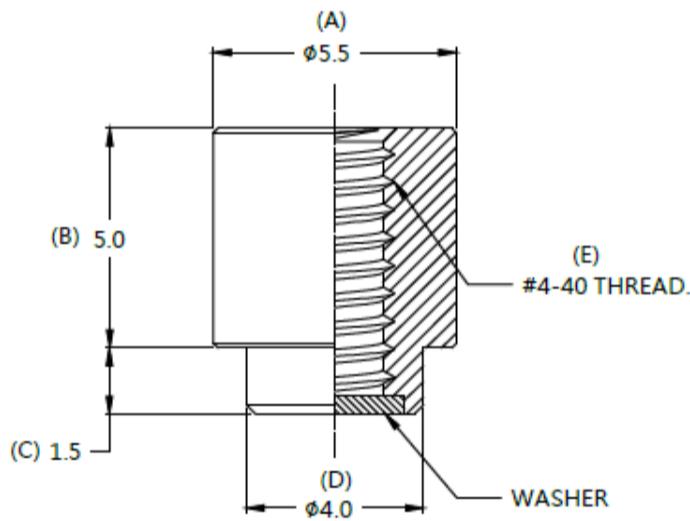
82 SERIES SMT NUT - #4-40 THREAD Patented.



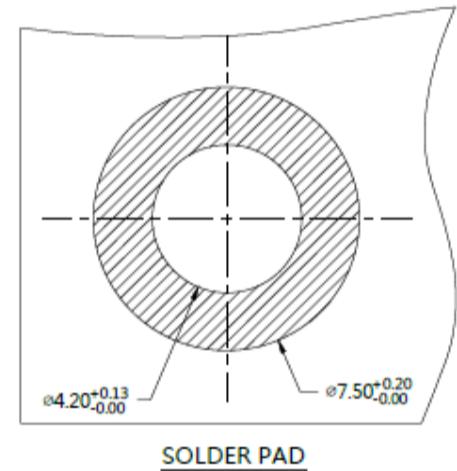
Material and Finish

Nut :
Carbon Steel, Tin Finish.
Washer :
PTFE.

■ Projection



■ Installation Style



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	P-1	P-2	A,MIN	A,MAX	"L"	"B"
~	~	~	1.6	~	~	~

SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
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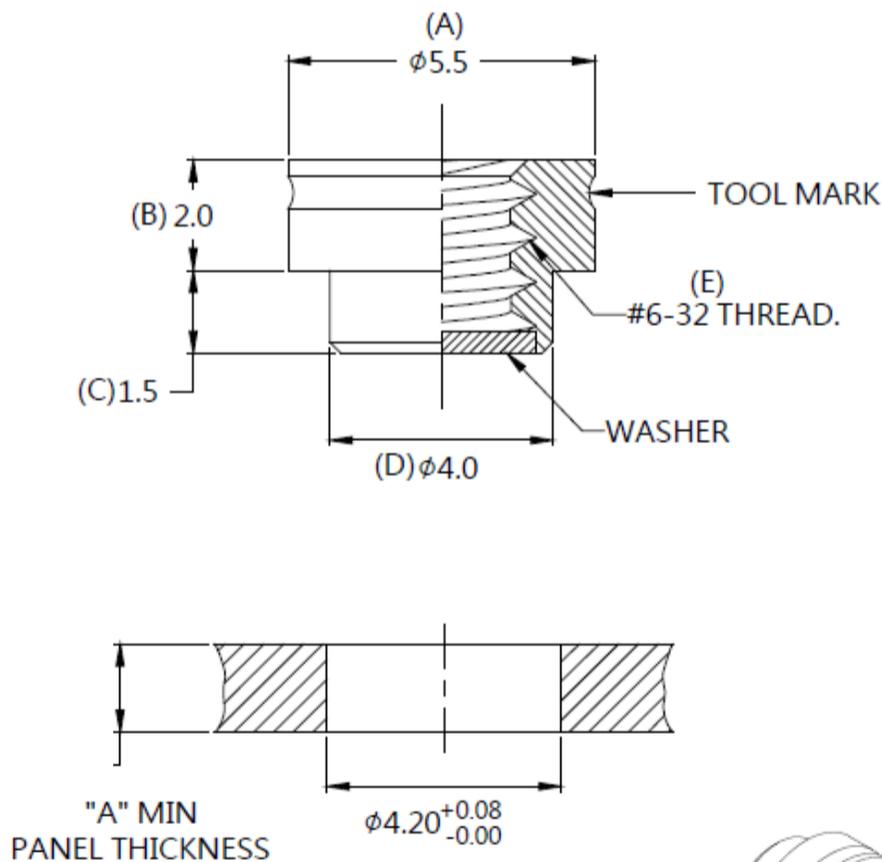
82 SERIES SMT NUT - #6-32 THREAD Patented.



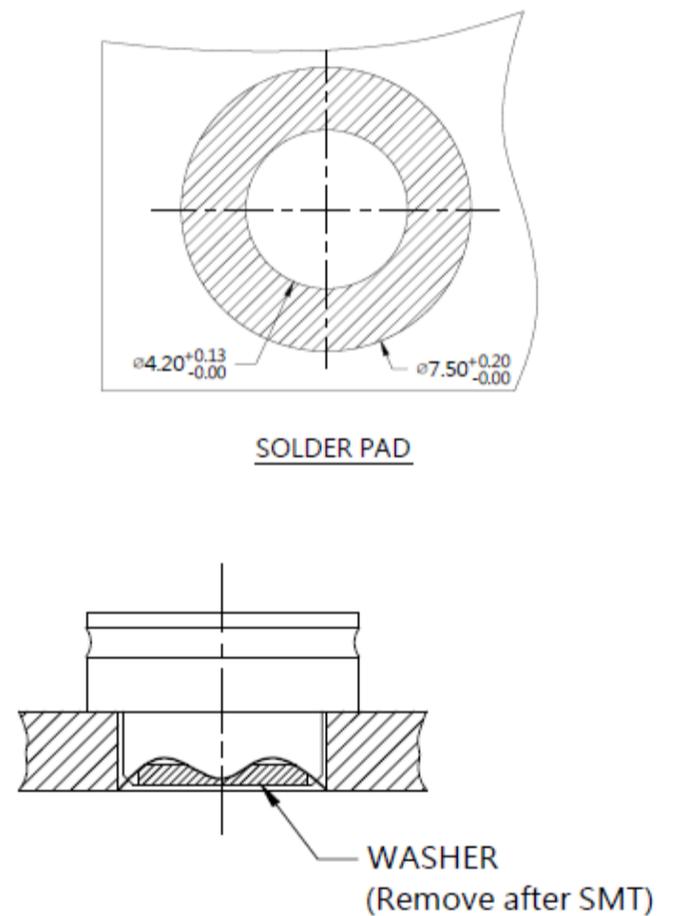
Material and Finish

Nut :
Carbon Steel, Tin Finish.
Washer :
PTFE.

■ Panel Preparation



■ Installation Style



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	P-1	P-2	A,MIN	A,MAX	"L"	"B"
~	~	~	1.6	~	~	~

SMT NUT

- SMT full automatic reflux welding process can increase stability and production efficiency.
- Welding for reinstallation can increase product reliability.

82 SERIES SMT NUT - #6-32 THREAD

Patented.



Material and Finish

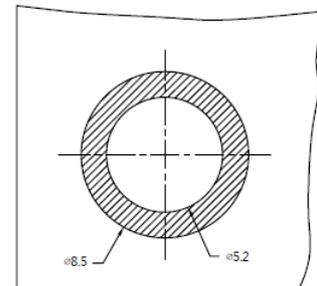
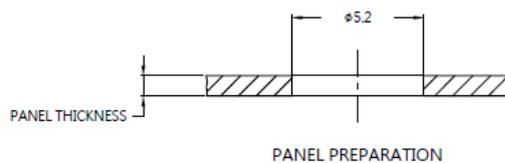
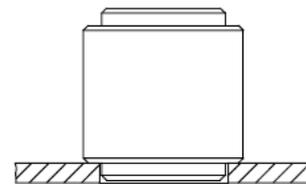
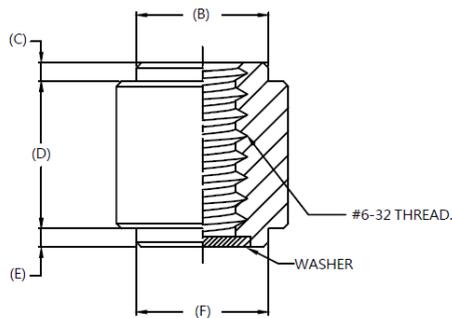
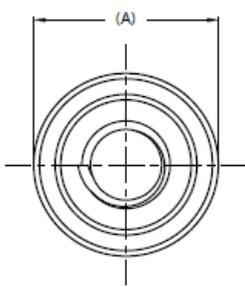
Nut :
Carbon steel, tin finish.

REEL



Panel Preparation

Installation Style



SOLDER PAD

Dimensions(mm)

PANEL THICKNESS		(A)	(B)	(C)	(D)	(E)	(F)
MIN	MAX						
0.8	~	6.5	5.0	0.7	5.6	0.7	5.0

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SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability

82 SERIES SMT NUT - #8-32 THREAD Patented.

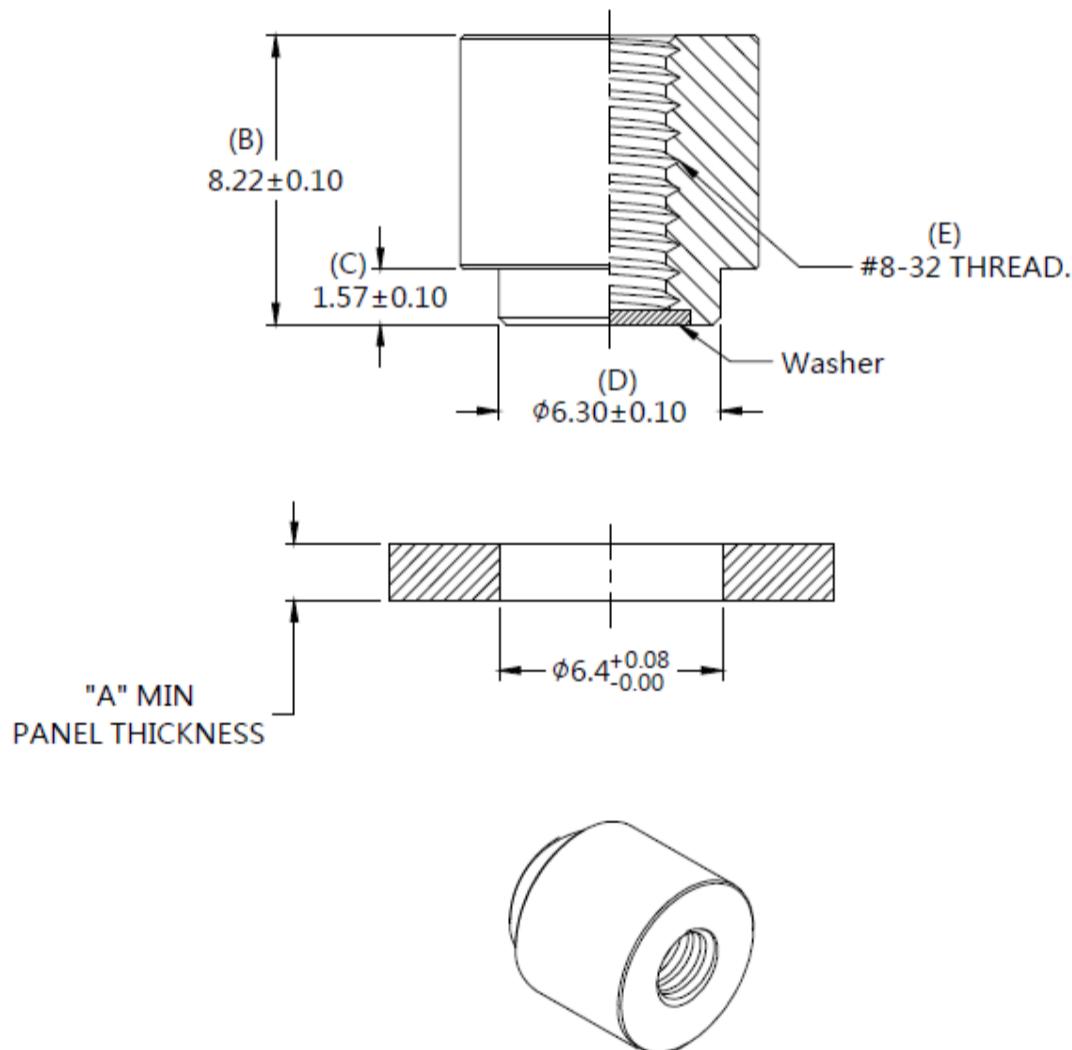


Material and Finish

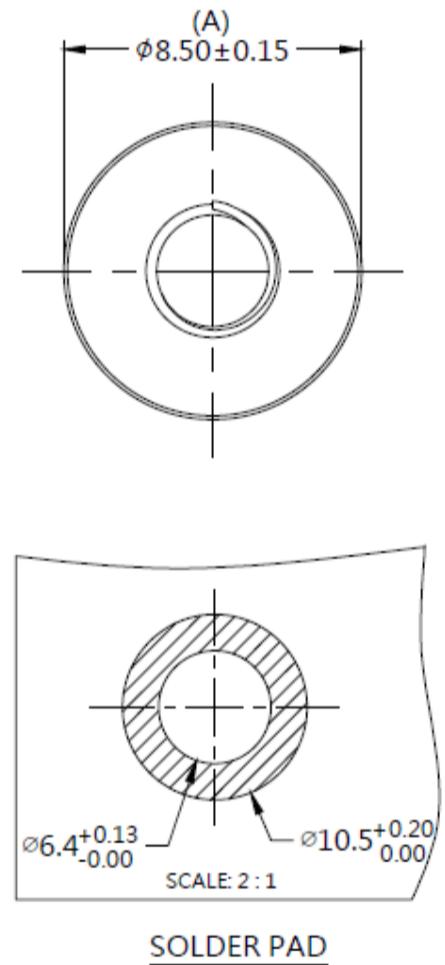
Nut :
Carbon Steel, Tin Finish.

Washer :
PTFE.

■ Panel Preparation



■ Installation



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	P-1	P-2	A, MIN	A, MAX	"L"	"B"
~	~	~	1.6	~	~	~

SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
- Welding for reinstalation can increase product reliability

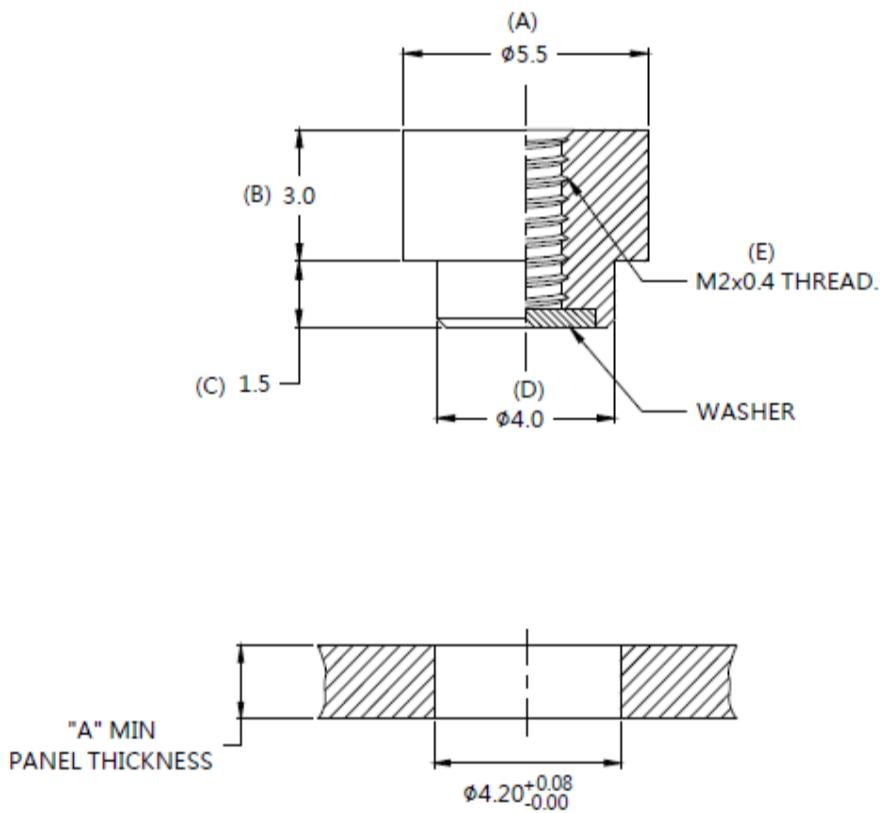
82 SERIES SMT NUT - M2 THREAD Patented.



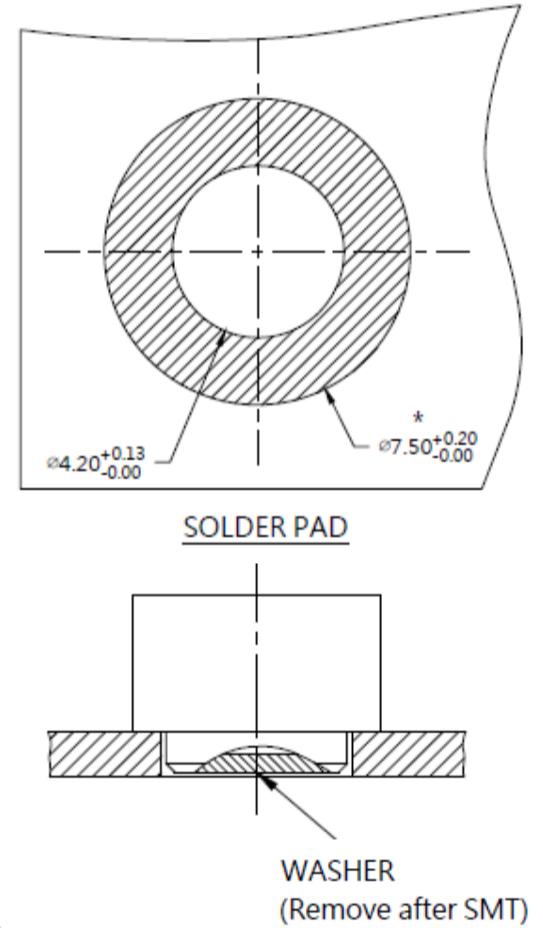
Material and Finish

Nut :
Carbon Steel, Tin Finish.
Washer :
PTFE.

■ Panel Preparation



■ Installation



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	P-1	P-2	A,MIN	A,MAX	"L"	"B"
~	~	~	1.6	~	~	~

SMT NUT & Standoff

- SMT full automatic reflux process can increase product stability and production efficiency
- Welding for reinstallation can increase product reliability

82 SERIES SMT NUT - M2 THREAD Patented.



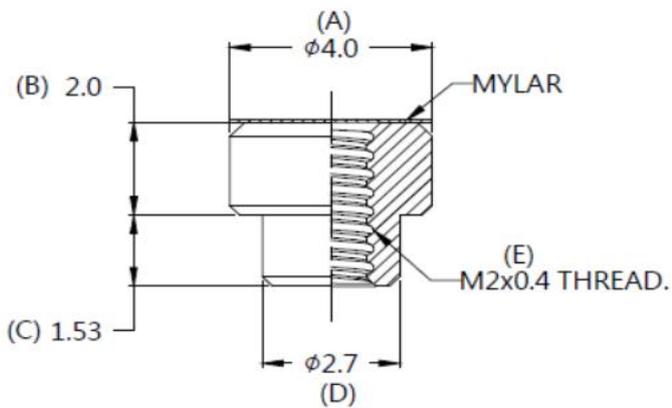
Material and Finish

Nut :
Carbon Steel, Tin Finish.
Washer :
PTFE.

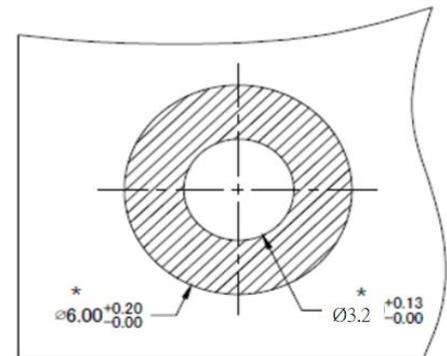
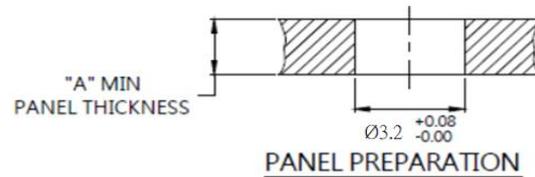
REEL



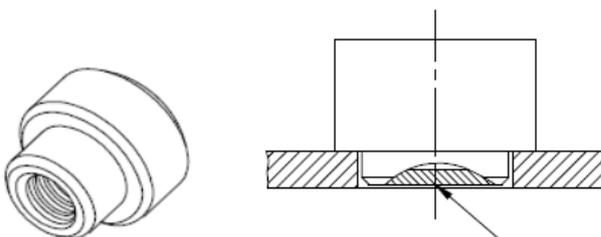
■ Panel Preparation



■ Installation



SOLDER PAD



WASHER
(Remove after SMT)

■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS	
	P-1	P-2	A, MIN	A, MAX
~	~	~	1.6	~

SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability

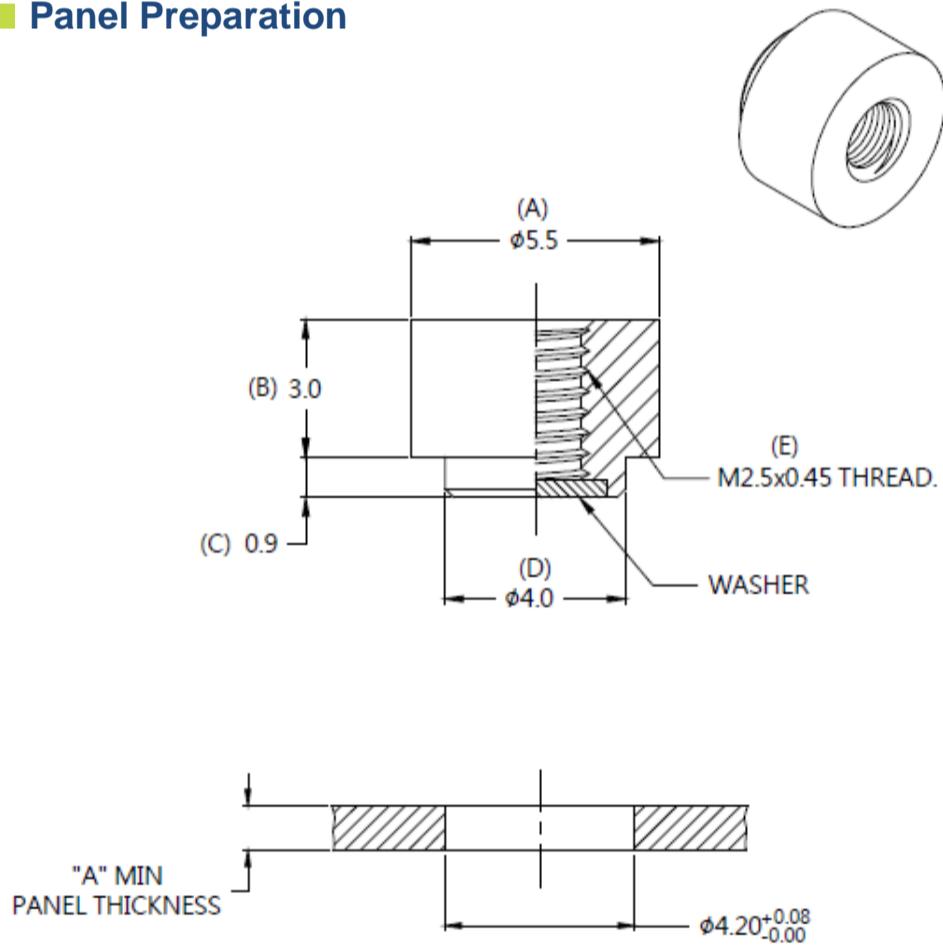
82 SERIES SMT NUT - M2.5 THREAD Patented.



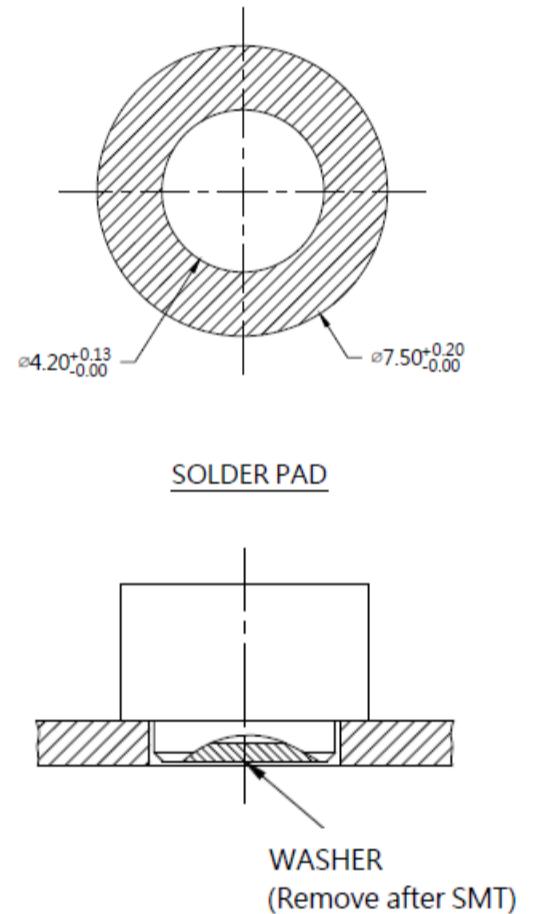
Material and Finish

Nut :
Carbon Steel, Tin Finish.
Washer :
PTFE.

■ Panel Preparation



■ Installation



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	P-1	P-2	A,MIN	A,MAX	"L"	"B"
~	~	~	1.0	~	~	~

SMT NUT

- SMT full automatic reflux welding process can increase stability and production efficiency.
- Welding for reinstallation can increase product reliability.

82 SERIES SMT NUT - M2.5 THREAD

Patented.



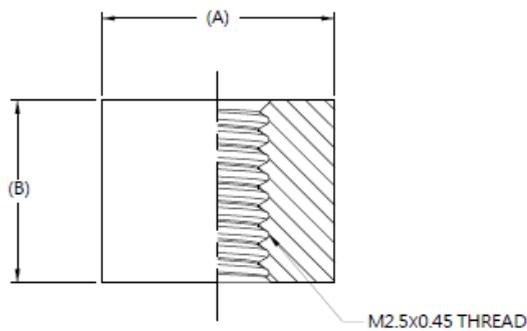
Material and Finish

Nut :
Carbon steel, tin finish.

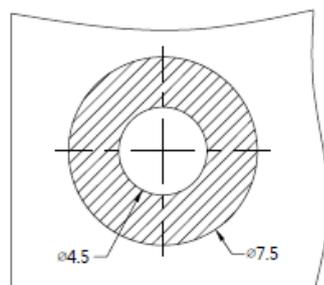
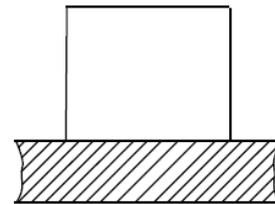
REEL



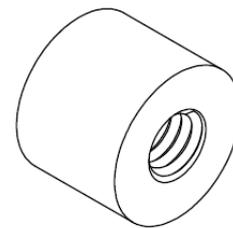
■ Panel Preparation



■ Installation Style



SOLDER PAD



■ Dimensions(mm)

PANEL THICKNESS		(A)	(B)
MIN	MAX		
~	~	5.5	4.3

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SMT NUT & Standoff

- SMT full automatic reflux process can increase production stability and production
- Welding for reinstallation can increase product reliability

82 SERIES SMT SHOULDER NUT - M3 THREAD Patented.



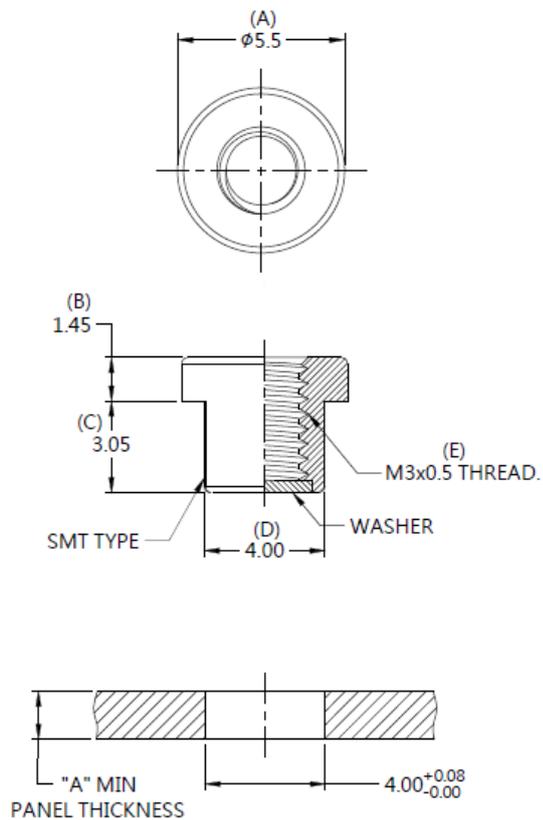
Material and Finish

Nut :
Carbon Steel, Tin Finish
Washer :
PTFE

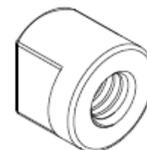
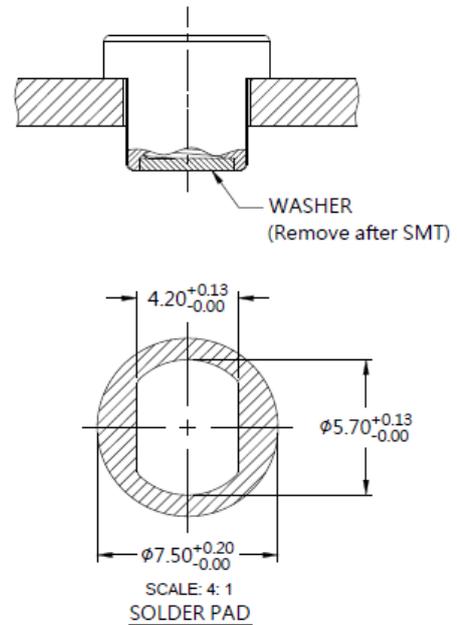
REEL



■ Panel Preparation



■ Installation



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	"P-1"	"P-2"	"A" MIN	"A" MAX	"L"	"B"
~	~	~	1.6	~	~	~

SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability

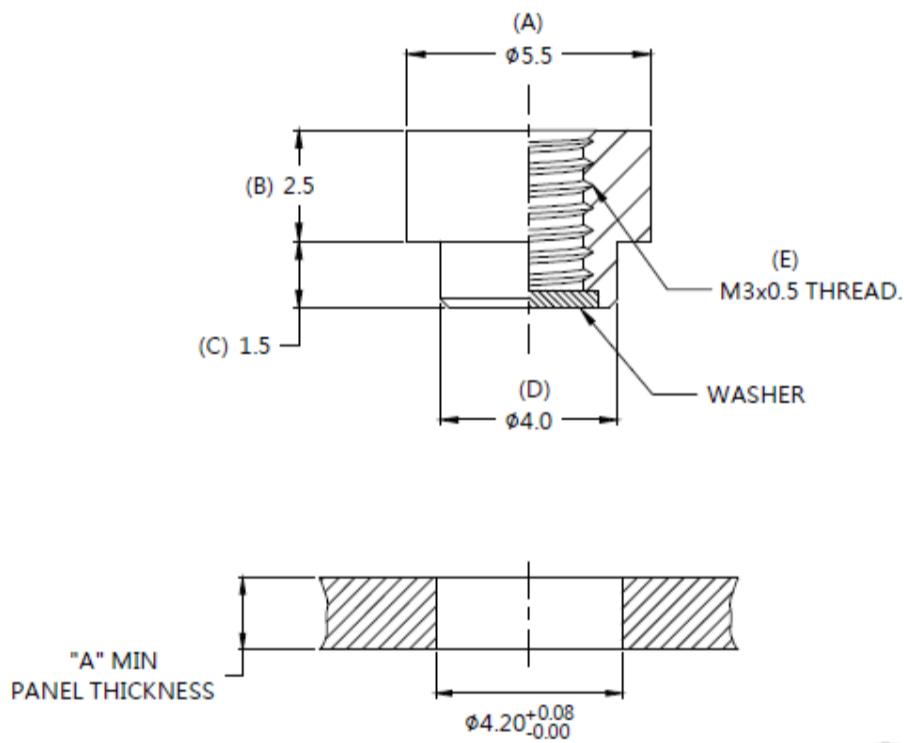
82 SERIES SMT NUT - #3 THREAD Patented.



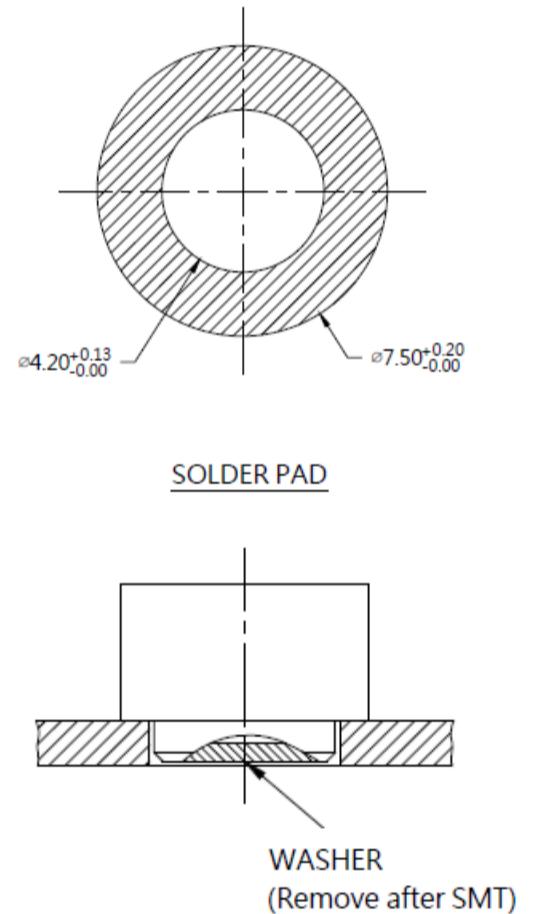
Material and Finish

Nut :
Carbon Steel, Tin Finish.
Washer :
PTFE.

■ Panel Preparation



■ Installation



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	P-1	P-2	A,MIN	A,MAX	"L"	"B"
~	~	~	1.6	~	~	~

SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability

82 SERIES SMT NUT - M3.5 THREAD Patented.

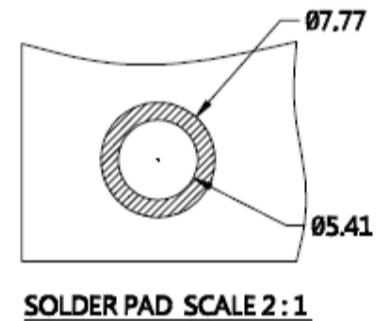
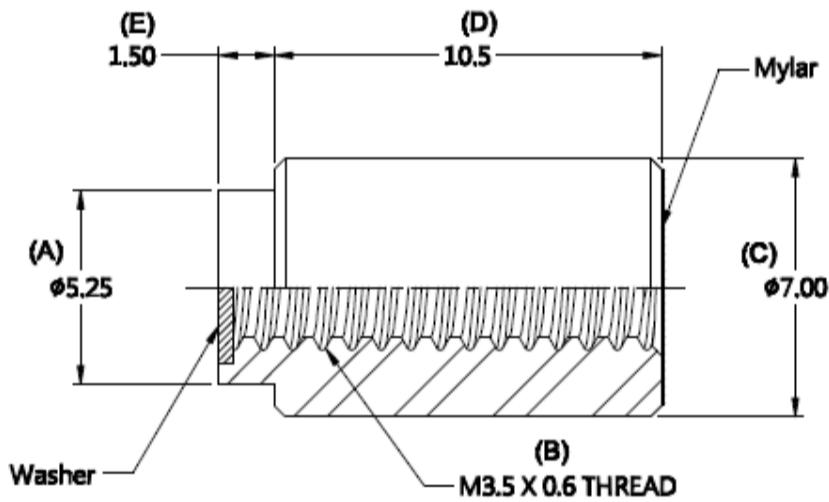


Material and Finish

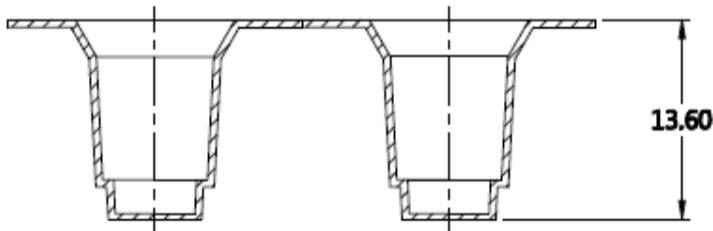
Nut :
Carbon Steel, Tin Finish.

Washer :
PTFE.

■ Panel Preparation



■ Installation



REEL SCALE 2:1

■ Dimensions (mm)

PART NUMBER	SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
		P-1	P-2	A, MIN	A, MAX	" L "	" B "
82-350-23-105-RL	~	~	~	1.6	~	-	-

SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability

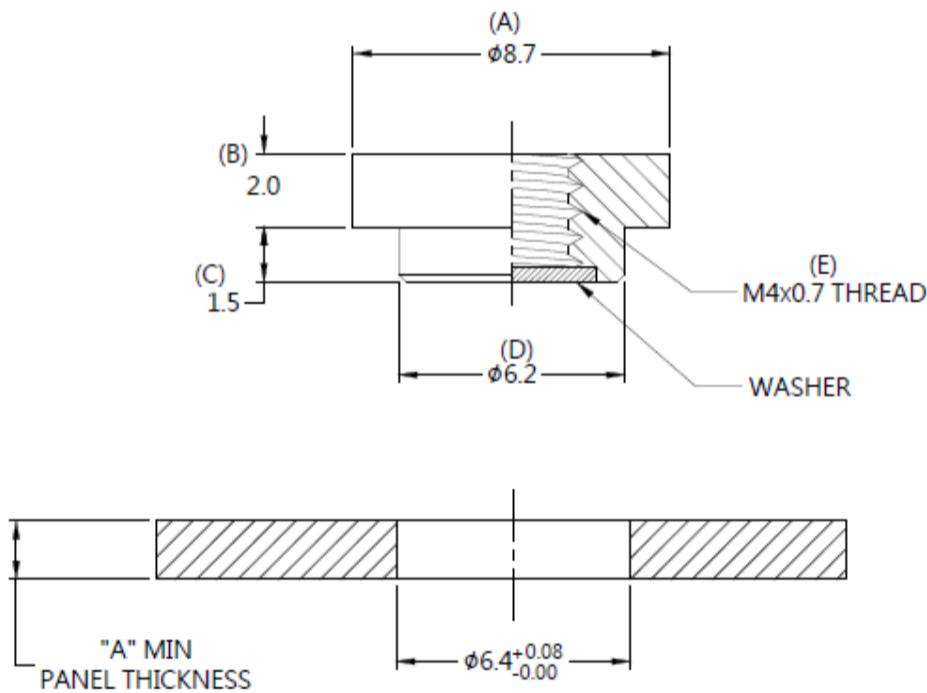
82 SERIES SMT NUT - M4 THREAD Patented.



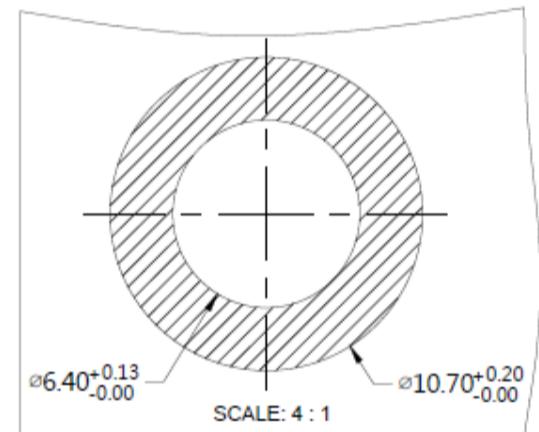
Material and Finish

Nut :
Carbon Steel, Tin Finish.
Washer :
PTFE.

■ Panel Preparation



■ Installation



SOLDER PAD



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	P-1	P-2	A, MIN	A, MAX	" L "	" B "
~	~	~	1.6	~	~	~

SMT NUT & Standoff

- SMT full automatic reflow process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability

82 SERIES SMT NUT - M6 THREAD Patented.

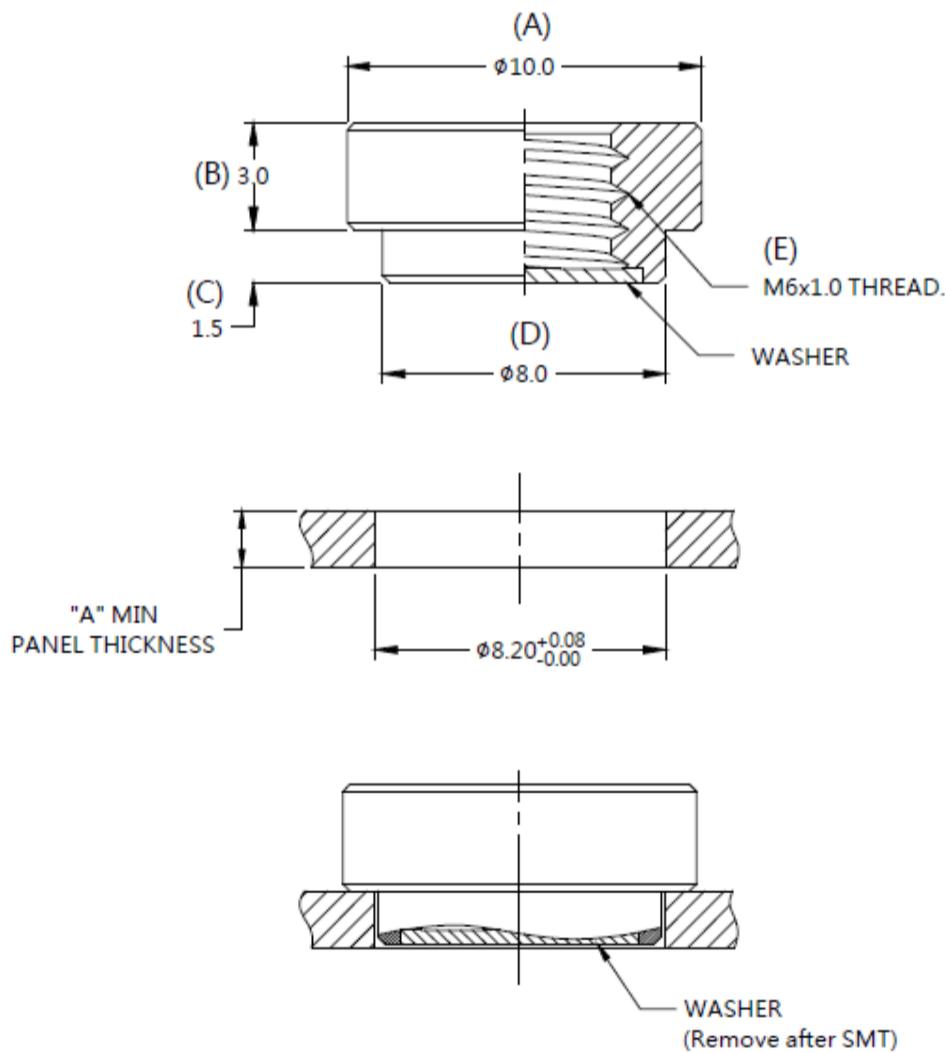


Material and Finish

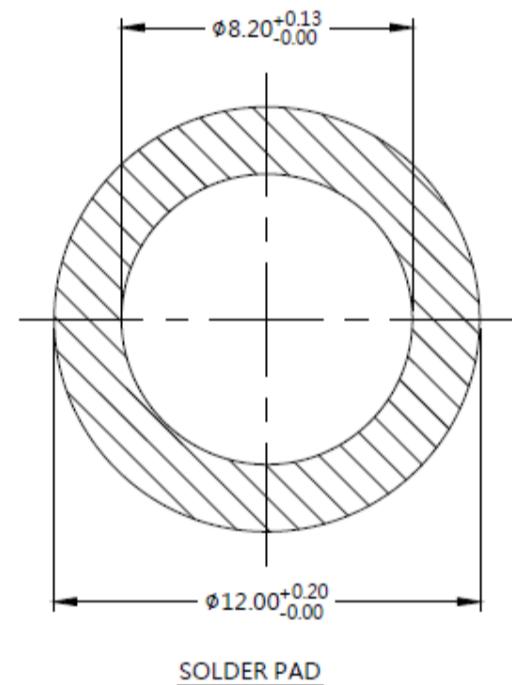
Nut :
Carbon Steel, Tin Finish.

Washer :
PTFE.

■ Panel Preparation



■ Installation



■ Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	P-1	P-2	A, MIN	A, MAX	" L "	" B "
~	~	~	1.6	~	~	~

SMT NUT

- SMT full automatic reflux welding process can increase stability and production efficiency.
- Welding for reinstallation can increase product reliability.

82 SERIES SMT NUT

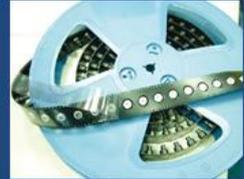
Patented.



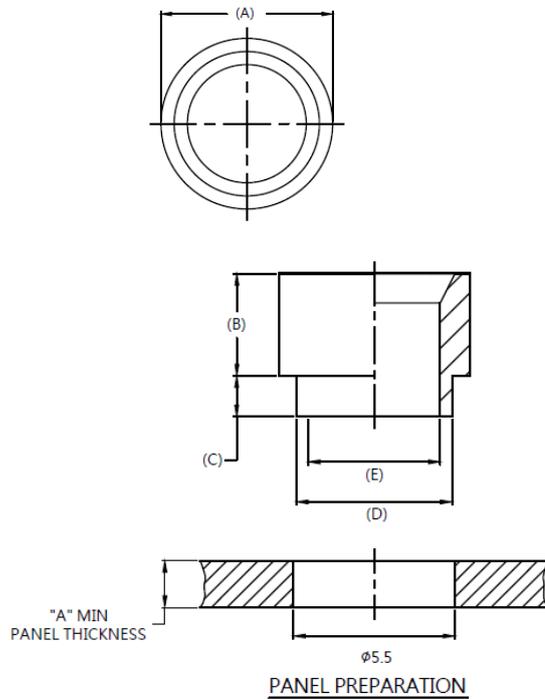
Material and Finish

Nut :
Carbon steel, tin finish.

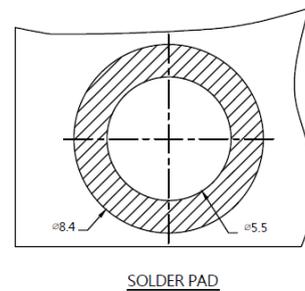
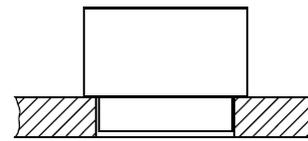
REEL



■ Panel Preparation



■ Installation Style



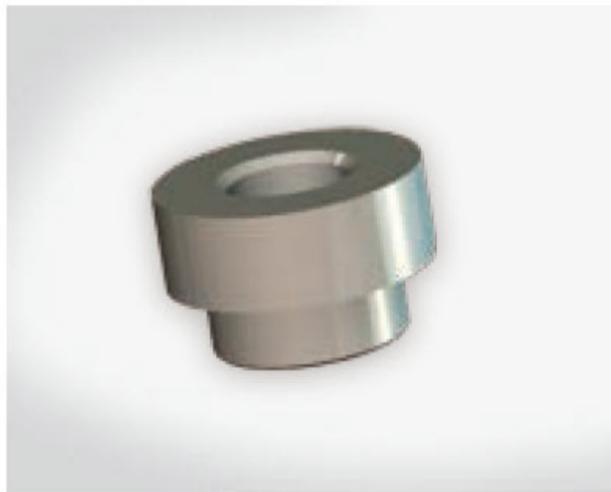
■ Dimensions_(mm)

PANEL THICKNESS		(A)	(B)	(C)	(D)	(E)
MIN	MAX					
1.6	~	5.5	3.5	1.4	4.3	3.4
1.6	~	6.5	3.5	1.4	5.3	4.5

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- SMT full automatic reflux welding process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability
- Reduce a damage risk of circuit caused during assembling
- The specification could be customized
- Functional device which prevents thread damage caused by inflow of tin in SMT process

82 SERIES SMT STYLE



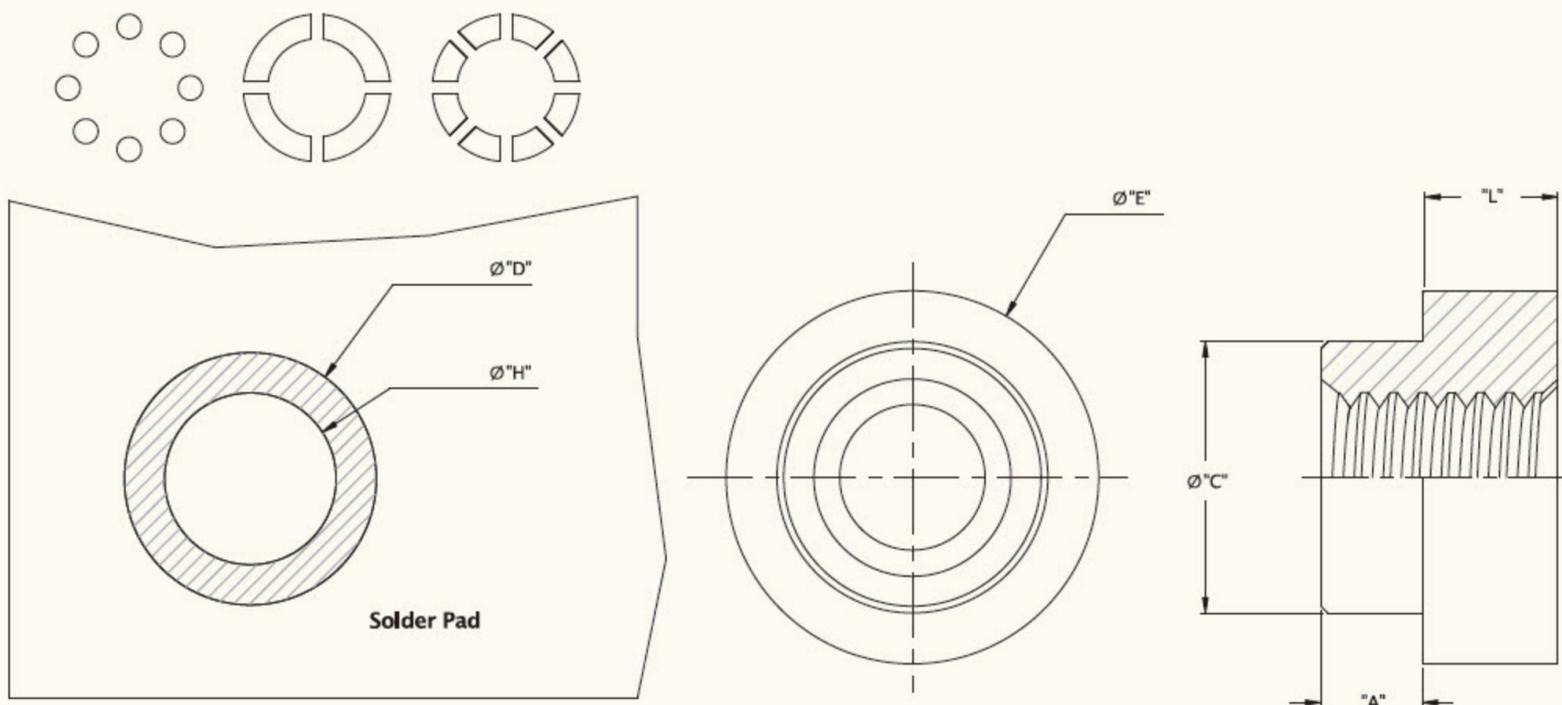
Material and Finish

Low carbon steel, tin finish.

Reel



■ Stencil Masking Examples



■ Outer Panel Dimensions 1.6mm

mm

THREAD SIZE	A MAX.	$\varnothing C \pm 0.08$	$\varnothing E \pm 0.13$	$\varnothing H$ HOLE SIZE IN SHEET +0.08	$\varnothing D$ MIN. SOLDER PAD +0.08	PART NUMBER "L" ± 0.13			
						2.0	3.0	4.0	6.0
M3	1.6	4.09	5.50	4.22	6.2	82-150-22-020	82-150-22-030	82-150-22-040	82-150-22-060
#4-40	1.6	4.09	5.50	4.22	6.2	82-250-22-020	82-250-22-030	82-250-22-040	82-250-22-060
#6-32	1.6	5.28	7.00	5.41	7.77	82-450-22-020	82-450-22-030	82-450-22-040	82-450-22-060

■ Number of Parts Per Reel/Pitch(mm) For Each Size

THREAD SIZE	LENGTH CODE			
	2.0	3.0	4.0	6.0
M3 #4-40	1500/12	-	1000/12	-
#6-32	1500/12	1000/12	900/12	650/12

- SMT full automatic reflux welding process can increase production stability and production efficiency
- Welding for reinstallation can increase product reliability
- Reduce a damage risk of circuit caused during assembling
- The specification could be customized
- Functional device which prevents thread damage caused by inflow of tin in SMT process

82 SERIES SMT STANDOFF



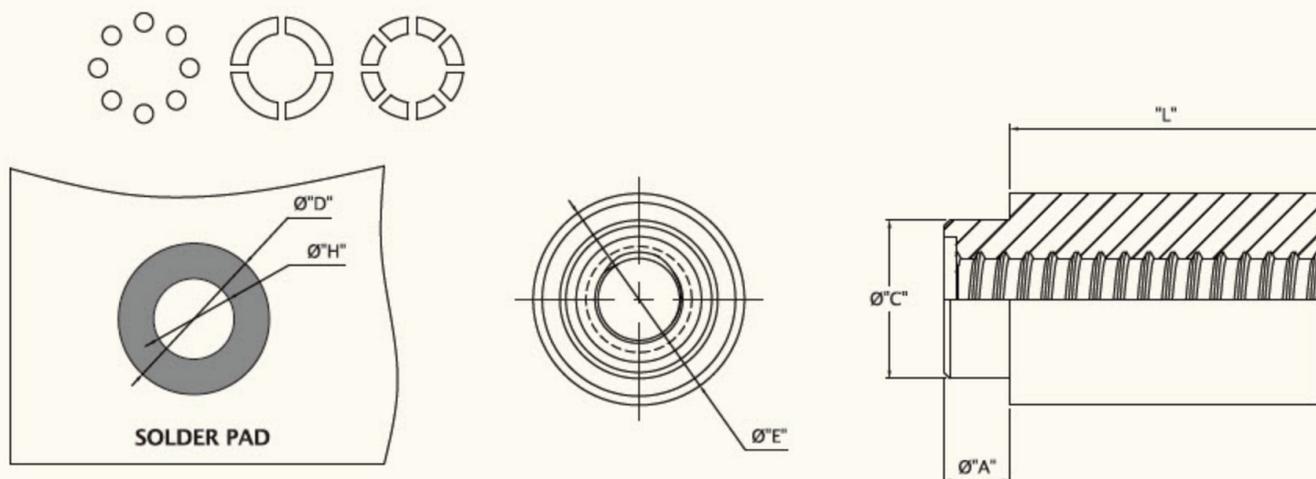
Material and Finish

Low carbon steel, tin finish.

Reel



■ Stencil Masking Examples



■ Outer Panel Dimensions 1.0mm

mm

THREAD SIZE	A MAX.	HOLE SIZE IN SHEET +0.08	Ø"D" MIN SOLDER PAD +0.08	ØC ±0.08	ØE ±0.08	PART NUMBER "L" ±0.13		
						4	8	12
M3	1.6	4.22	6.2	4.09	5.50	81-138-22-075	81-138-22-080	81-138-22-105

■ Outer Panel Dimensions 1.6mm

mm

THREAD SIZE	A MAX.	HOLE SIZE IN SHEET +0.08	Ø"D" MIN SOLDER PAD +0.08	ØC ±0.08	ØE ±0.08	PART NUMBER "L" ±0.13		
						7.5	8.0	10.5
M3.5	1.6	5.41	7.77	5.28	7.0	82-350-22-075	82-350-22-080	82-350-22-105
M3	1.6	4.22	6.2	4.09	5.50	82-150-22-075	82-150-22-080	82-150-22-105

■ Outer Panel Dimensions 2.3mm

mm

THREAD SIZE	A MAX.	HOLE SIZE IN SHEET +0.08	Ø"D" MIN SOLDER PAD +0.08	ØC ±0.08	ØE ±0.08	PART NUMBER "L" ±0.13		
						7.5	8.0	10.5
M3.5	2.3	5.41	7.77	5.28	7.0	82-351-22-075	82-351-22-080	82-351-22-105
M3	2.3	5.50	6.2	4.09	7.0	82-151-22-075	82-151-22-080	82-151-22-105

■ Number of Parts Per Reel/Pitch(mm) For Each Size

THREAD SIZE	LENGTH CODE		
	7.5	8.0	10.5
M3.5	500/13	500/13	320/13
M3			

SMT SERIES

- Automated manufacturing fully helps save labor costs and maximize productivity
- The square bottom design of Fivetech SMT STUD can prevent the material from rotating and increase the torque, providing 100% reliability
- The SMT soldering process improves product reliability

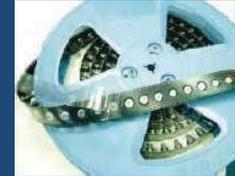
SMT STUD Patented.



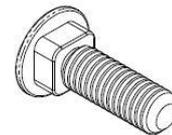
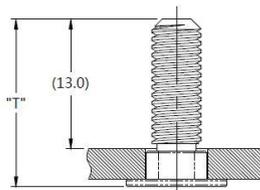
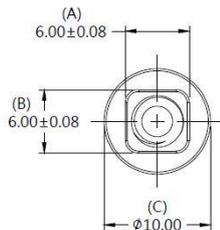
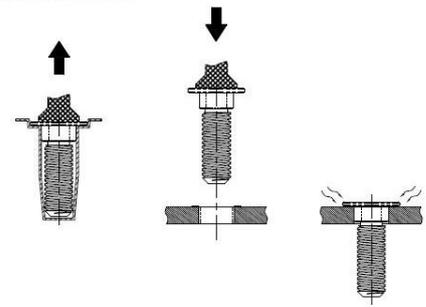
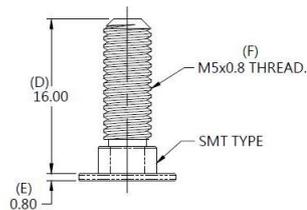
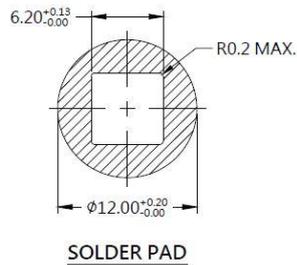
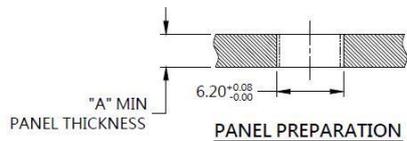
Material and Finish

Screw :
Brass, Tin Finish.

Reel



Panel Preparation



Dimensions (mm)

SCREW LENGTH "T"	SCREW PROJECTION		PANEL THICKNESS		DIMENSINOS	
	"P-1"	"P-2"	" A " MIN	" A " MAX	" L "	" B "
16.8			3.0			

SMT SERIES

- Provide the nut a floating mechanism in its space, fitting counterparts to absorb tolerances
- The bottom square anti-rotation design provides locking torque
- Locking in both directions, provides a unlimited application mode
- Automated manufacturing fully helps save labor costs enhances efficiency

SMT Floating Nut Patented.



Material and Finish

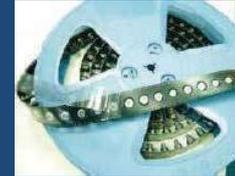
Ferrule :

Carbon Steel, Tin Finish

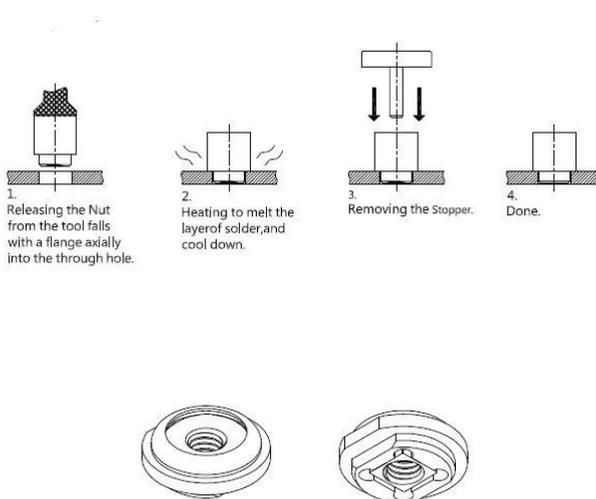
Nut :

300 Series Stainless Steel, Natural Finish

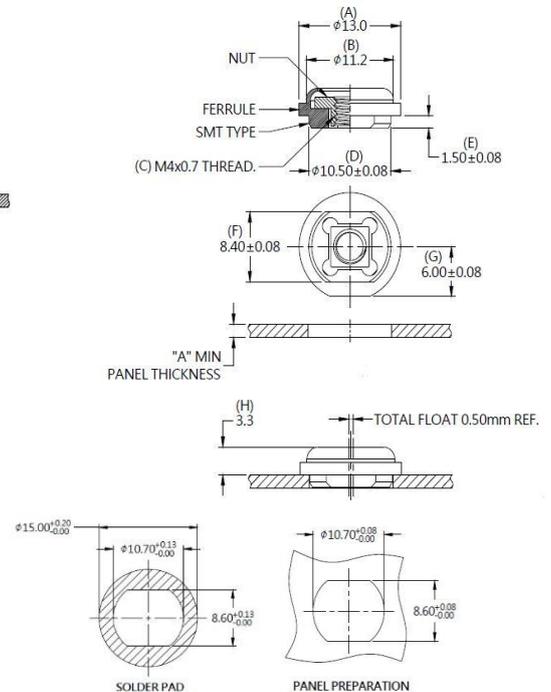
Reel



Installation



Panel Preparation



Dimensions (mm)

LENGTH "T"	PROJECTION		PANEL THICKNESS		DIMENSINOS	
	"P-1"	"P-2"	"A" MIN	"A" MAX	" L "	" B "
~	~	~	1.6	~	/	/

SMT SERIES

- The bottom cutting-edge design provides high anti-rotation reliability
- SMT soldering process improves product reliability
- Automated manufacturing production helps save labor costs and maximize productivity
- Customization available and provides a variety of specs to choose from

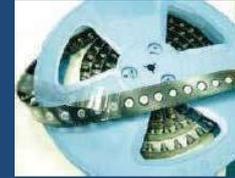
High Torque SMT Nut Patented.



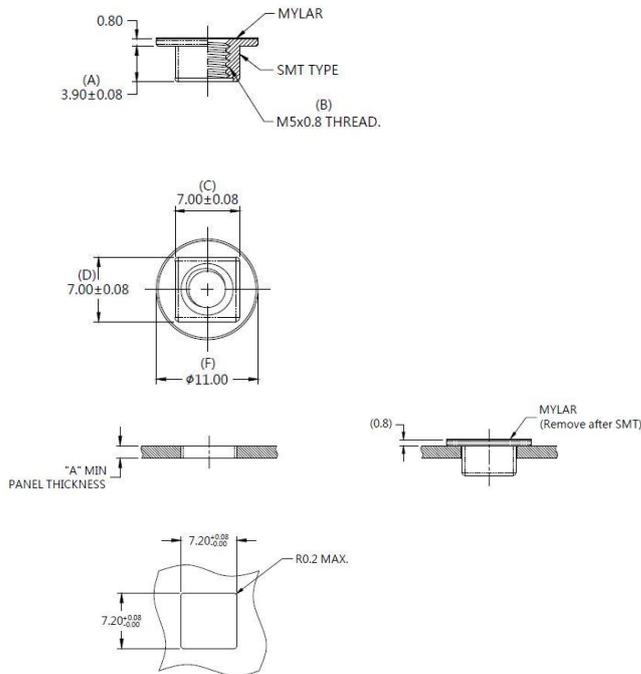
Material and Finish

Nut :
Carbon Steel, Tin Finish.

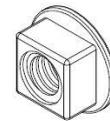
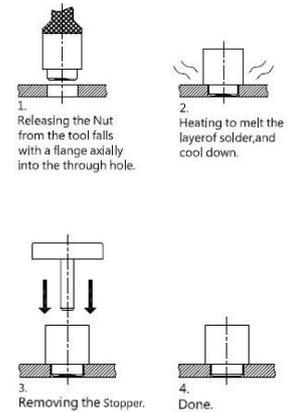
Reel



Panel Preparation



Installation Style



Dimensions (mm)

LENGTH "T"	PROJECTION		PANEL THICKNESS		DIMENSINOS	
	"P-1"	"P-2"	"A" MIN	"A" MAX	" L "	" B "
~	~	~	1.6	~	/	/