INSULATED PC SPACER/SUPPORTS

- Board will be electrically insulated, eliminates need for insulating washers • No tool required for installation
- Easy snap-in assembly• One pieces design eliminates the need for additional screws and nuts
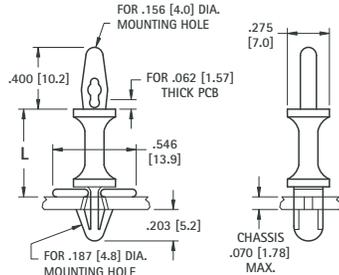- Fits snug onto board • Accommodates varying board thicknesses • Flame retardant

SLIMLINE TENSION-FIT

.156 (4.0)
.187 (4.8)

- One end permanently attaches to .070 (1.78) max. thick chassis
- Other end tension fits to .062 (1.57) max. thick PC board
- Board is easily releasable for repairs or upgrades
- Low insertion force

FOR .156 [4.0] DIA. MOUNTING HOLE
.400 [10.2]
FOR .062 [1.57] THICK PCB
.546 [13.9]
.203 [5.2]
FOR .187 [4.8] DIA. MOUNTING HOLE
.275 [7.0]
CHASSIS .070 [1.78] MAX.

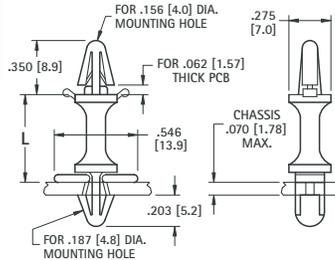| CAT. NO.	L LENGTH
1927A	.250 (6.4)
1928A	.375 (9.5)
1929A	.500 (12.7)
1930A	.625 (15.9)
1931A	.750 (19.1)
1932A	.875 (22.2)
1933A	1.000 (25.4)

MATERIAL: Nylon 6/6, UL Rated 94V-0

SLIMLINE LOCK-IN

.156 (4.0)
.187 (4.8)

- One end permanently attaches to .070 (1.78) max. thick chassis
- Other end permanently attaches to .062 (1.57) max. thick PC board
- Low insertion force
- Small footprint frees up board space.

FOR .156 [4.0] DIA. MOUNTING HOLE
.350 [8.9]
FOR .062 [1.57] THICK PCB
.546 [13.9]
.203 [5.2]
FOR .187 [4.8] DIA. MOUNTING HOLE
.275 [7.0]
CHASSIS .070 [1.78] MAX.

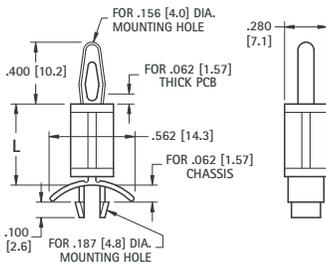| CAT. NO.	L LENGTH
1927B	.250 (6.4)
1928B	.375 (9.5)
1929B	.500 (12.7)
1930B	.625 (15.9)
1931B	.750 (19.1)
1932B	.875 (22.2)
1933B	1.000 (25.4)

MATERIAL: Nylon 6/6, UL Rated 94V-0

STURDY TENSION-FIT

.156 (4.0)
.187 (4.8)

- One end permanently attaches to .031(.79) - .078 (2.0) thick chassis
- Other end tension fits to .062 (1.57) max thick PC board
- Board is easily releasable for repairs or upgrades
- Sturdy support due to high contact area

FOR .156 [4.0] DIA. MOUNTING HOLE
.400 [10.2]
FOR .062 [1.57] THICK PCB
.562 [14.3]
FOR .062 [1.57] CHASSIS
.100 [2.6]
FOR .187 [4.8] DIA. MOUNTING HOLE
.280 [7.1]

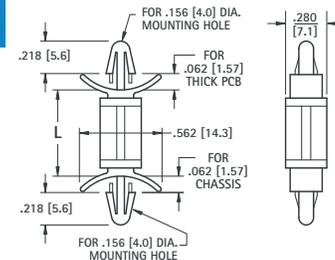| CAT. NO.	L LENGTH
8800	.187 (4.7)
8801	.250 (6.4)
8802	.375 (9.5)
8803	.500 (12.7)
8804	.625 (15.9)
8805	.750 (19.1)
8806	.875 (22.2)

MATERIAL: Nylon 6/6, UL Rated 94V-0

STURDY LOCK-IN

.156 (4.0)
.156 (4.0)

- Both ends permanently attaches to .031 (.79) - .078 (2.0) thick chassis or board
- Sturdy support due to high contact area

FOR .156 [4.0] DIA. MOUNTING HOLE
.218 [5.6]
FOR .062 [1.57] THICK PCB
.562 [14.3]
FOR .062 [1.57] CHASSIS
.218 [5.6]
FOR .156 [4.0] DIA. MOUNTING HOLE
.280 [7.1]

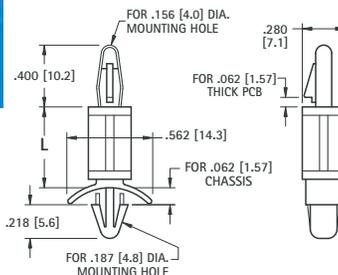| CAT. NO.	L LENGTH
8815	.187 (4.7)
8816	.250 (6.4)
8817	.375 (9.5)
8818	.500 (12.7)
8819	.625 (15.9)
8820	.750 (19.1)
8821	.875 (22.2)

MATERIAL: Nylon 6/6, UL Rated 94V-0

STURDY LOCK-IN RELEASE

.156 (4.0)
.187 (4.8)

- Locks onto .062 (1.57) thick PC board
- Board is positively locked until manually released
- Board is easily releasable for repairs or upgrades
- Sturdy support due to high contact area with chassis

FOR .156 [4.0] DIA. MOUNTING HOLE
.400 [10.2]
FOR .062 [1.57] THICK PCB
.562 [14.3]
FOR .062 [1.57] CHASSIS
.218 [5.6]
FOR .187 [4.8] DIA. MOUNTING HOLE
.280 [7.1]

CAT. NO.	L LENGTH
8807	.187 (4.7)
8808	.250 (6.4)
8809	.375 (9.5)
8810	.500 (12.7)
8811	.625 (15.9)
8812	.750 (19.1)
8813	.875 (22.2)
8814	1.000 (25.4)

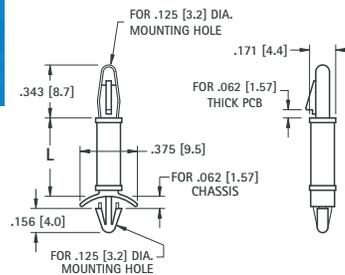**MATERIAL:** Nylon 6/6, UL Rated 94V-0

SLIMLINE LOCK-IN RELEASE

.125 (3.2)
.125 (3.2)

- Locks onto .062 (1.57) thick PC board
- Board is positively locked until manually unlocked
- Board is easily releasable for repairs or upgrades
- Compact design uses smaller mounting holes

FOR .125 [3.2] DIA. MOUNTING HOLE
.343 [8.7]
FOR .062 [1.57] THICK PCB
.375 [9.5]
FOR .062 [1.57] CHASSIS
.156 [4.0]
FOR .125 [3.2] DIA. MOUNTING HOLE
.171 [4.4]

CAT. NO.	L LENGTH
8871	.187 (4.7)
8872	.250 (6.4)
8873	.375 (9.5)
8874	.500 (12.7)
8875	.625 (15.9)

MATERIAL: Nylon 6/6, UL Rated 94V-0

INSULATED PC SPACERS/SUPPORTS

- Board will be electrically insulated, eliminates need for insulating washers • Easy snap-in assembly
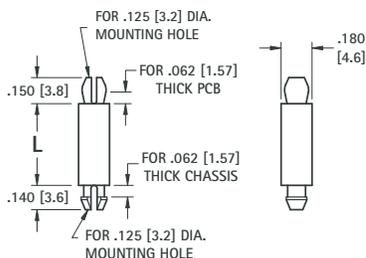- No tool required for installation • Designed for .062 (1.57) thick boards

- One piece design eliminates the need for additional screws and nuts • Slim design frees up board space

TENSION-FIT

.125 (3.2)

.125 (3.2)

- One end permanently attaches to chassis
- Other end secures board with tension fit.
- Board easily releasable for repairs or upgrades

FOR .125 [3.2] DIA. MOUNTING HOLE
FOR .062 [1.57] THICK PCB
.150 [3.8]
FOR .062 [1.57] THICK CHASSIS
.140 [3.6]
FOR .125 [3.2] DIA. MOUNTING HOLE
L
.180 [4.6]

CAT. NO.	L LENGTH
8879	.125 (3.2)
8880	.187 (4.7)
8881	.250 (6.4)
8882	.375 (9.5)
8883	.500 (12.7)
8884	.625 (15.9)
8885	.750 (19.1)
8886	.875 (22.2)
8887	1.000 (25.4)

MATERIAL: Nylon 6/6, UL Rated 94V-0

EASY LOCK-IN

.100 (2.6)

.100 (2.6)

- Both ends permanently attach to chassis and board
- Teardrop style mounting end eases assembly
- Low protrusion above board and under chassis

FOR .100 [2.6] DIA. MOUNTING HOLE
FOR .062 [1.57] THICK PCB
.150 [3.8]
FOR .062 [1.57] THICK CHASSIS
.150 [3.8]
FOR .100 [2.6] DIA. MOUNTING HOLE
L
.171 [4.4]
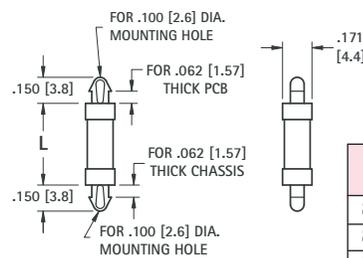
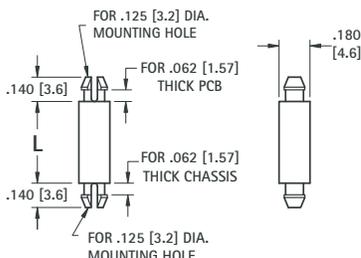| CAT. NO.	L LENGTH
8888	.125 (3.2)
8889	.187 (4.7)
8890	.250 (6.4)
8891	.375 (9.5)
8892	.500 (12.7)
8893	.625 (15.9)

MATERIAL: Nylon 6/6, UL Rated 94V-0

LOCK-IN

.125 (3.2)

.125 (3.2)

- Both ends permanently attach to chassis and board
- Secure mounting end design allows for taller spacing

FOR .125 [3.2] DIA. MOUNTING HOLE
FOR .062 [1.57] THICK PCB
.140 [3.6]
FOR .062 [1.57] THICK CHASSIS
.140 [3.6]
FOR .125 [3.2] DIA. MOUNTING HOLE
L
.180 [4.6]

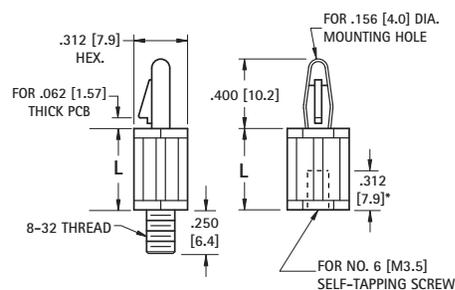| CAT. NO.	L LENGTH
9018	.125 (3.2)
9019	.187 (4.7)
9020	.250 (6.4)
9021	.375 (9.5)
9022	.500 (12.7)
9023	.625 (15.9)
9024	.750 (19.1)
9025	.875 (22.2)
9026	1.000 (25.4)

MATERIAL: Nylon 6/6, UL Rated 94V-0

THREADED

.156 (4.0)

THREAD

- One end attaches to chassis with screw or tapped hole
- Other end snap locks onto .062 (1.6) board
- Board is releasable for easy repair or upgrades

.312 [7.9] HEX.
FOR .062 [1.57] THICK PCB
FOR .156 [4.0] DIA. MOUNTING HOLE
.400 [10.2]
L
L
8-32 THREAD
.250 [6.4]
.312 [7.9]*
FOR NO. 6 [M3.5] SELF-TAPPING SCREW

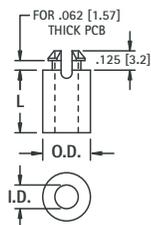| MALE CAT. NO.	L LENGTH	FEMALE CAT. NO.
9048	.250 (6.4)	9041
9049	.375 (9.5)	9042
9050	.500 (12.7)	9043
9051	.625 (15.9)	9044
9052	.750 (19.1)	9045
9053	.875 (22.2)	9046
9054	1.000 (25.4)	9047

MATERIAL: Nylon 6/6, UL Rated 94V-0

THRU HOLE SPACERS

One end locks into panel. Clear hole designs for #4, #6 or #8 screw.

- Base has larger surface area. Will not deform under heavy pre-load.

FOR .062 [1.57] THICK PCB
.125 [3.2]
L
O.D.
I.D.

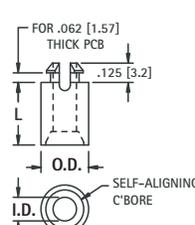| CAT. NO.	L LENGTH	Outside Diameter	Inside Diameter	Mounting Hole	Screw Size
9027	.125 (3.2)	.260 (6.6)	.125 (3.2)	.187 (4.7)	#4
9028	.187 (4.7)				
9029	.250 (6.4)				
9030	.375 (9.5)				
9031	.500 (12.7)				
9032	.625 (15.9)				
9033	.250 (6.4)	.281 (7.1)	.153 (3.9)	.234 (5.9)	#6
9034	.375 (9.5)				
9035	.500 (12.7)				
9036	.625 (15.9)				
9037	.250 (6.4)	.281 (7.1)	.169 (4.3)	.234 (5.9)	#8
9038	.375 (9.5)				
9039	.500 (12.7)				
9040	.625 (15.9)				

MATERIAL: Nylon 6/6, UL Rated 94V-0

STACKING SPACERS

One end locks into panel. Clear hole designs for #4, #6 or #8 screw.

- Spacers can be stacked for multiple level PC board applications
- Self-aligning

FOR .062 [1.57] THICK PCB
.125 [3.2]
L
O.D.
I.D.
SELF-ALIGNING C'BORE

CAT. NO.	L LENGTH	Outside Diameter	Inside Diameter	Mounting Hole	Screw Size
8829	.125 (3.2)	.260 (6.6)	.125 (3.2)	.187 (4.7)	#4
8830	.187 (4.7)				
8831	.250 (6.4)				
8832	.375 (9.5)				
8833	.500 (12.7)				
8834	.625 (15.9)				
8835	.250 (6.4)	.312 (7.9)	.153 (3.9)	.234 (5.9)	#6
8836	.375 (9.5)				
8837	.500 (12.7)				
8838	.625 (15.9)				
8839	.250 (6.4)	.312 (7.9)	.169 (4.3)	.234 (5.9)	#8
8840	.375 (9.5)				
8841	.500 (12.7)				
8842	.625 (15.9)				

INSULATED PC SPACERS/SUPPORTS

Tel (718) 956-8900 • Fax (718) 956-9040
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31-07 20th Road – Astoria, NY 11105-2017

77

- Board will be electrically insulated, eliminates need for insulating washers
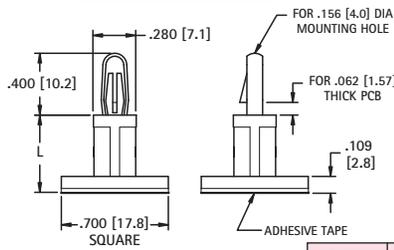- No tool required for installation • Easy snap-in assembly

ADHESIVE LOCK-IN RELEASE SUPPORTS

- One end attaches to chassis with self adhesive pads
- No drilling to chassis required leaving outside in perfect condition
- Other end snap into .062 (1.57) board
- Board is easily releasable for repair or upgrade
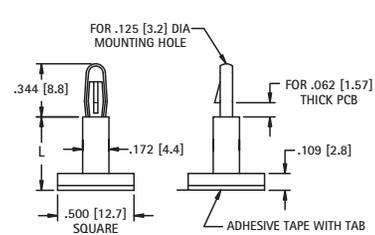
.156 (4.0)

STURDY SUPPORT

.280 [7.1]
.400 [10.2]
FOR .156 [4.0] DIA MOUNTING HOLE
FOR .062 [1.57] THICK PCB
.109 [2.8]
.700 [17.8] SQUARE
ADHESIVE TAPE

.125 (3.2)

SLIMLINE SUPPORT

.344 [8.8]
FOR .125 [3.2] DIA MOUNTING HOLE
FOR .062 [1.57] THICK PCB
.172 [4.4]
.109 [2.8]
.500 [12.7] SQUARE
ADHESIVE TAPE WITH TAB

CAT. NO.	L LENGTH
9080	.187 (4.7)
9081	.250 (6.4)
9082	.375 (9.5)
9083	.500 (12.7)
9084	.625 (15.9)

Material: Nylon 6/6, UL Rated 94V-0

CAT. NO.	L LENGTH
9070	.187 (4.7)
9071	.250 (6.4)
9072	.375 (9.5)
9073	.500 (12.7)
9074	.625 (15.9)

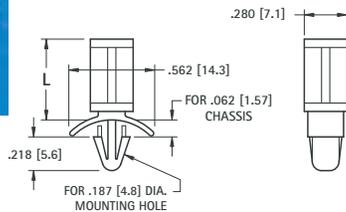**Material:** Nylon 6/6, UL Rated 94V-0

PC SPACER SUPPORTS

- One end locks into chassis • Other end supports the PC Board • Ideal for mid supports of large boards
- Simplifies assembly for multiple support applications • Reduces the amount of holes required in PC board

STURDY SUPPORT

- One end permanently attaches to .062 (1.57) chassis
- Accommodates varying board thicknesses
- Sturdy support due to large contact area

.187 (4.8)

.280 [7.1]
.562 [14.3]
FOR .062 [1.57] CHASSIS
.218 [5.6]
FOR .187 [4.8] DIA. MOUNTING HOLE

SLIMLINE SUPPORT

- One end permanently attaches to .062 (1.57) chassis
- Low protrusion under chassis
- Small diameter frees up space on PC board

.100 (2.8)

.171 [4.4]
.150 [3.8]
FOR .062 [1.57] THICK CHASSIS
FOR .100 [2.6] DIA. MOUNTING HOLE

CAT. NO.	L LENGTH
8822	.187 (4.7)
8823	.250 (6.4)
8824	.375 (9.5)
8825	.500 (12.7)
8826	.625 (15.9)
8827	.750 (19.1)
8828	.875 (22.2)

Material: Nylon 6/6, UL Rated 94V-0
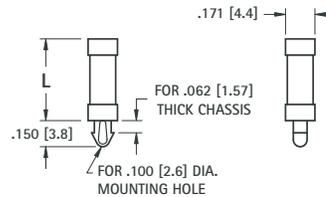
CAT. NO.	L LENGTH
9055	.125 (3.2)
9056	.187 (4.7)
9057	.250 (6.4)
9058	.375 (9.5)
9059	.500 (12.7)
9060	.625 (15.9)

Material: Nylon 6/6, UL Rated 94V-0
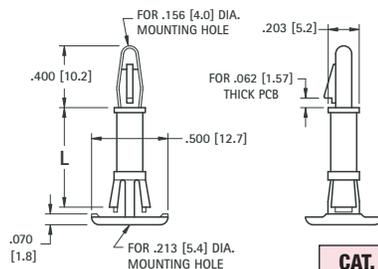
REVERSE CHASSIS MOUNT SUPPORTS

- Permanently attaches to .059 (1.51) - .065 (1.65) thick case from outside
- Provides flat clean cosmetic appearance • Ideal for low clearance applications or for mounting directly to case walls

.156 (4.0)

LOCK-IN RELEASE

- End locks onto .062 (1.57) PC board
- Board is positively locked until manually released
- Board is easily releasable for repairs or upgrades

.213 (5.4)

FOR .156 [4.0] DIA. MOUNTING HOLE
.203 [5.2]
.400 [10.2]
FOR .062 [1.57] THICK PCB
.500 [12.7]
.070 [1.8]
FOR .213 [5.4] DIA. MOUNTING HOLE
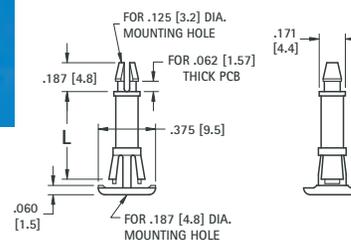
.125 (3.2)

SLIMLINE LOCK-IN

- End permanently attaches to .062 (1.57) PC board
- Small footprint frees up PC board space

.187 (4.8)

FOR .125 [3.2] DIA. MOUNTING HOLE
.171 [4.4]
.187 [4.8]
FOR .062 [1.57] THICK PCB
.375 [9.5]
.060 [1.5]
FOR .187 [4.8] DIA. MOUNTING HOLE

CAT. NO.	L LENGTH
9061	.250 (6.4)
9062	.375 (9.5)
9063	.500 (12.7)
9064	.625 (15.9)

Material: Nylon 6/6, UL Rated 94V-0

CAT. NO.	L LENGTH
9065	.250 (6.4)
9066	.375 (9.5)
9067	.500 (12.7)
9068	.625 (15.9)

Material: Nylon 6/6, UL Rated 94V-0