

ReelFast® Surface Mount Fasteners

SMTSOB-315

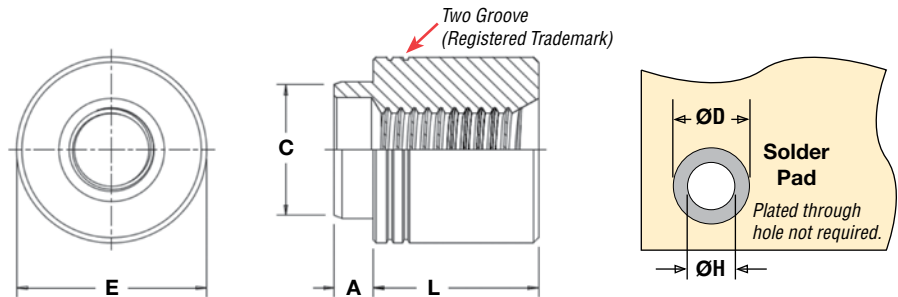
Tin Plated Brass Nuts and Spacers/Standoffs

New Type SMTSOB™ ReelFast® brass fasteners are ideal for applications which demand superior electrical/mechanical attachment points. These fasteners mount on PC boards in the same manner and at the same time as other surface mount components prior to the automated reflow solder process. The fasteners simply become another board component. These fasteners are provided on tape and reel compatible with existing SMT automated installation equipment.



Features and Benefits

- Better corrosion resistance than steel standoffs
- Higher conductivity than steel standoffs.
- Pick-n-place installation provides:
 - Faster assembly
 - Reduced scrap and handling
 - Reduced risk of board damage
- Reduced loose hardware.



All dimensions are in inches.

UNIFIED	Thread Size	Thru Hole +.004 –.003	Type	Thread or Thru Hole Code	Length Code "L" ±.005 (Length code in 32nds of an inch)				Min. Sheet Thickness	A Max.	C Max.	E ±.005	ØH Hole Size In Sheet +.003 –.000	ØD Min. Solder Pad
					.062	.125	.250	.375						
	.086-56 (#2-56)	—	SMTSOB	256	2	4	8 (1)	12 (1)	.060	.060	.142	.219	.147	.244
	.112-40 (#4-40)	—	SMTSOB	440	2	4	8 (1)	12 (1)	.060	.060	.161	.219	.166	.244
	.138-32 (#6-32)	—	SMTSOB	632	2	4	8 (1)	12 (1)	.060	.060	.208	.281	.213	.306
	.164-32 (#8-32)	—	SMTSOB	832	2	4	8 (1)	12 (1)	.060	.060	.245	.344	.250	.369
	—	.116	SMTSOB	116	2	4	8	12	.060	.060	.161	.219	.166	.244
	—	.143	SMTSOB	143	2	4	8	12	.060	.060	.208	.281	.213	.306

All dimensions are in millimeters.

METRIC	Thread Size x Pitch	Thru Hole +0.10 –0.08	Type	Thread or Thru Hole Code	Length Code "L" ±0.13 (Length code in millimeters)					Min. Sheet Thickness	A Max.	C Max.	E ±0.13	ØH Hole Size In Sheet +0.08	ØD Min. Solder Pad
	M2 x 0.4	—	SMTSOB	M2	2	3	4 (1)	6 (1)	8 (1)	10 (1)	1.53	1.53	3.6	5.56	6.2
	M2.5 x 0.45	—	SMTSOB	M25	2	3	4 (1)	6 (1)	8 (1)	10 (1)	1.53	1.53	4.09	5.56	6.2
	M3 x 0.5	—	SMTSOB	M3	2	3	4 (1)	6 (1)	8 (1)	10 (1)	1.53	1.53	4.09	5.56	6.2
	M3.5 x 0.6	—	SMTSOB	M35	2	3	4 (1)	6 (1)	8 (1)	10 (1)	1.53	1.53	5.28	7.14	7.77
	M4 x 0.7	—	SMTSOB	M4	2	3	4	6 (1)	8 (1)	10 (1)	1.53	1.53	6.22	8.74	9.37
	—	3.6	SMTSOB	3.6	2	3	4	6	8	10	1.53	1.53	5.28	7.14	7.77
	—	4.2	SMTSOB	4.2	2	3	4	6	8	10	1.53	1.53	6.22	8.74	9.37

(1) Fastener with this length code has a shank counterbore.

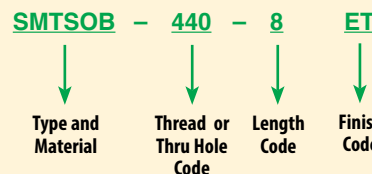
Threads: Internal, ASME B1.1, 2B / ASME B1.13M, 6H

Material: Brass

Standard Finish: ET - Electro-plated tin ASTM B 545, Class A with clear preservative coating, annealed

For use in: Any panel hardness

Part Number Designation



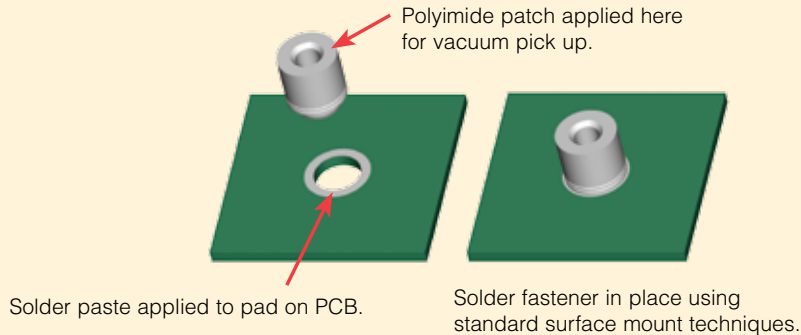
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INSTALLATION



NUMBER OF PARTS PER REEL / PITCH (MM) FOR EACH SIZE

Thread/Thru-Hole Size	Length Code						
	2	3	4	6	8	10	12
256, 440, 632, 116, 143	1500 / 12	—	1000 / 12	—	650 / 12	—	300 / 16
832	1100 / 16	—	800 / 16	—	500 / 16	—	300 / 16
M2, M25, M3, M35, 3.6	1500 / 12	1000 / 12	900 / 12	650 / 12	375 / 16	300 / 16	—
M4, 4.2	1100 / 16	800 / 16	675 / 16	500 / 16	375 / 16	300 / 16	—

Packaged on 330 mm recyclable reels.

Tape width is 24 mm. Supplied with polyimide patch for vacuum pick up. Reels conform to EIA-481.



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