

Surface-Mount Captive Screws

FEATURES

- Captive screws installed on p.c. boards at the same time and method as other surface-mount technology (SMT) components.
- Threaded fasteners that minimize part quantities and the risk of loose hardware.
- Packaged on tape and reel consistent with standard automated SMT installation equipment.

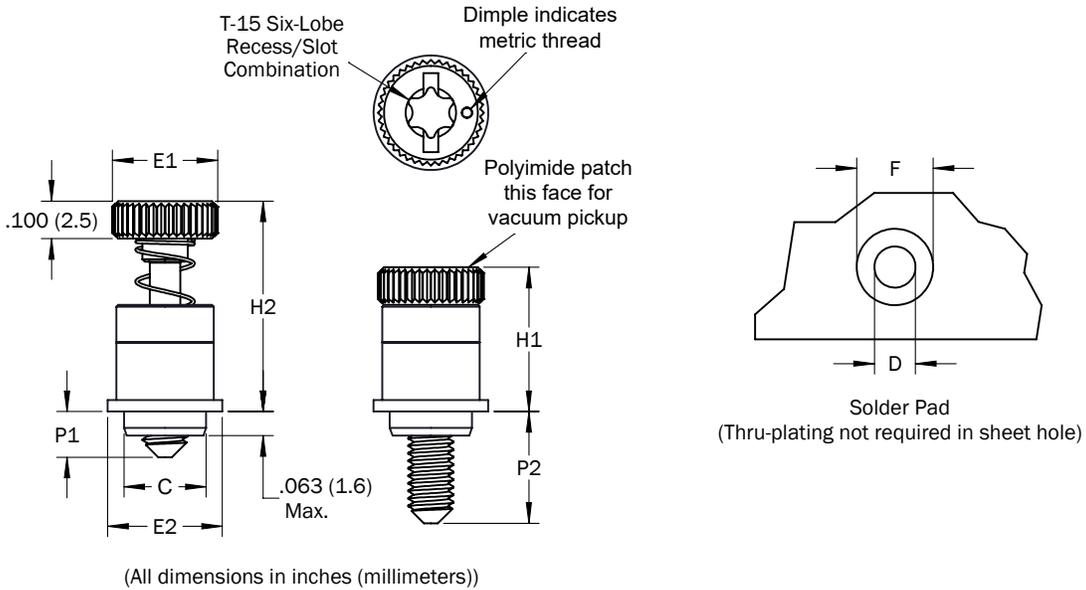


PART DESCRIPTION EXAMPLE

CMU — 440 — .040 — SL — TX — KN — STL — TIN — MATTE

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Thread Code Screw Length Code



MATERIAL & FINISH

Retainer: Carbon Steel/Electroplated Matte Tin per ASTM B545, Class A with Clear Preservative, Annealed.

Spring: 300-Series Stainless Steel/Passivated and/or Tested per ASTM A967.

Screw: Heat Treated Carbon Steel/Zinc SC1 (.0002" (5µm) Min.) and Type III Clear Chromate per ASTM B633.

CMU Surface-Mount Captive Screws

GENERAL

All dimensions in inches

INCH	Thread	Thread Code	Screw Length Code	Sheet			C Maximum
				Minimum Thickness	D Hole Size +.003 -.000	F Minimum Solder Pad Diameter	
4-40	440		.040	.063	.220	.340	.215
			.100				
6-32	632		.040	.063	.252	.400	.247
			.100				

INCH	Thread	E1 ±.010	E2 Nominal	P1 ±.025	P2 ±.025	H1 Nominal	H2 Nominal
4-40		.280	.300	.040	.210	.380	.550
				.100	.270		
6-32		.310	.320	.040	.240	.420	.620
				.100	.300		

All dimensions in millimeters

METRIC	Thread	Thread Code	Screw Length Code	Sheet			C Maximum
				Minimum Thickness	D Hole Size +0.08 -0.00	F Minimum Solder Pad Diameter	
M3 x 0.5	M3		1.00	1.60	5.60	8.60	5.46
			2.50				
M3.5 x 0.6	M3.5		1.00	1.60	6.40	10.20	6.27
			2.50				

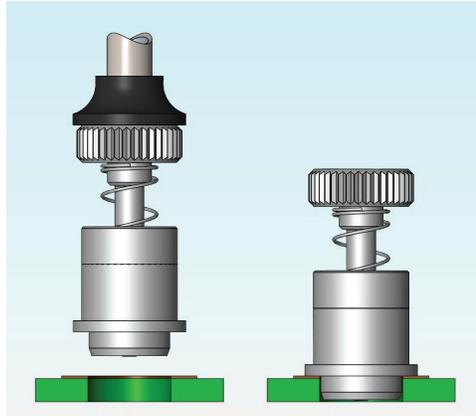
METRIC	Thread	E1 ±0.25	E2 Nominal	P1 ±0.64	P2 ±0.64	H1 Nominal	H2 Nominal
M3 x 0.5		7.11	7.62	1.00	5.30	9.60	14.00
				2.50	6.80		
M3.5 x 0.6		7.87	8.13	1.00	6.10	10.70	15.70
				2.50	7.62		

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REEL DATA

INCH	Thread	Parts per Reel
	4-40	200
	6-32	150

METRIC	Thread	Parts per Reel
	M3 x 0.5	200
	M3.5 x 0.6	150



Apply solder paste to p.c. board pad. Place fastener by gripping end with polyimide patch. Solder fastener in place using surface-mount technology (SMT) practices.