

Surface-Mount Standoffs

FEATURES

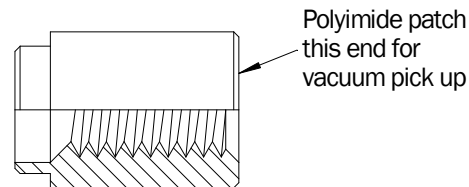
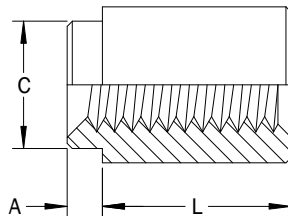
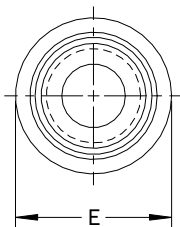
- Threaded standoffs installed on p.c. boards at the same time and method as other surface-mount technology (SMT) components.
- Reduce secondary handling of p.c. boards that may lead to potential damage.
- Packaged on tape and reel consistent with standard automated SMT installation equipment.
- Available in a wide variety of thread sizes and lengths.



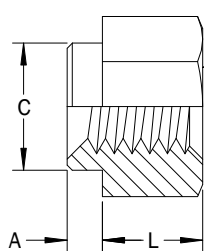
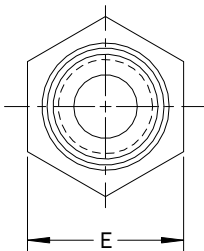
PART DESCRIPTION EXAMPLE

TCUST — 440 — .250 — TIN — MATTE

Material Code Thread Code Length

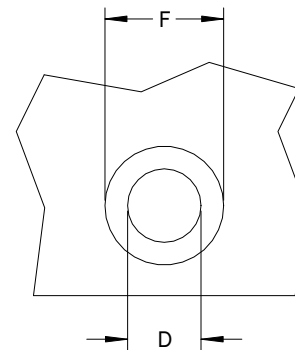


Thread sizes 2-56, 4-40, 6-32, 8-32, M2, M2.5, M3, M3.5, M4
(see note on page 3 regarding counterbore)



Polyimide patch
this end for
vacuum pick up

Thread sizes 0-80, S1, S1.2, S1.4 and M1.6



Solder Pad

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GENERAL

All dimensions in inches

INCH	Thread	Thread Code	Sheet			A Max.	C Max.	E ±.005
			Min. Thickness	D Hole Size +.003 -.000 ²	F Min. Solder Pad Dia.			
	0-80	080	.020	.098	.165	.019	.095	.125
	2-56	256	.060	.147	.244	.060	.142	.219
	4-40	440	.060	.166	.244	.060	.161	.219
	6-32	632	.060	.213	.306	.060	.208	.281
	8-32	832	.060	.250	.369	.060	.245	.344

All dimensions in millimeters

METRIC	Thread	Thread Code	Sheet			A Max.	C Max.	E ±0.13
			Min. Thickness	D Hole Size +0.08 -0.00 ²	F Min. Solder Pad Dia.			
	S1 ¹	M1	0.50	2.50	4.19	0.48	2.41	3.18
	S1.2 ¹	M1.2	0.50	2.50	4.19	0.48	2.41	3.18
	S1.4 ¹	M1.4	0.50	2.50	4.19	0.48	2.41	3.18
	M1.6 x 0.35	M1.6	0.50	2.50	4.19	0.48	2.41	3.18
	M2 x 0.4	M2	1.53	3.73	6.20	1.53	3.60	5.56
	M2.5 x 0.45	M2.5	1.53	4.22	6.20	1.53	4.09	5.56
	M3 x 0.5	M3	1.53	4.22	6.20	1.53	4.09	5.56
	M3.5 x 0.6	M3.5	1.53	5.41	7.77	1.53	5.28	7.14
	M4 x 0.7	M4	1.53	6.35	9.37	1.53	6.22	8.74

(1) Miniature threads per ISO 1501 4H6.

(2) Thru-plating not required on sheet hole.

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LENGTH

All dimensions in inches

INCH	Thread	L (Length) $\pm .005$			
	0-80	.062	.125	--	--
	2-56	.062	.125	.250 ¹	.375 ¹
	4-40	.062	.125	.250 ¹	.375 ¹
	6-32	.062	.125	.250 ¹	.375 ¹
	8-32	.062	.125	.250 ¹	.375 ¹

All dimensions in millimeters

METRIC	Thread	L (Length) ± 0.13						
	S1	1	2	3	--	--	--	--
	S1.2	1	2	3	--	--	--	--
	S1.4	1	2	3	--	--	--	--
	M1.6 x 0.35	1	2	3	--	--	--	--
	M2 x 0.4	--	2	3	4 ¹	6 ¹	8 ¹	10 ¹
	M2.5 x 0.45	--	2	3	4 ¹	6 ¹	8 ¹	10 ¹
	M3 x 0.5	--	2	3	4 ¹	6 ¹	8 ¹	10 ¹
	M3.5 x 0.6	--	2	3	4 ¹	6 ¹	8 ¹	10 ¹
	M4 x 0.7	--	2	3	4	6 ¹	8 ¹	10 ¹

(1) Standoffs of this length with material code BR have a counterbored shank.

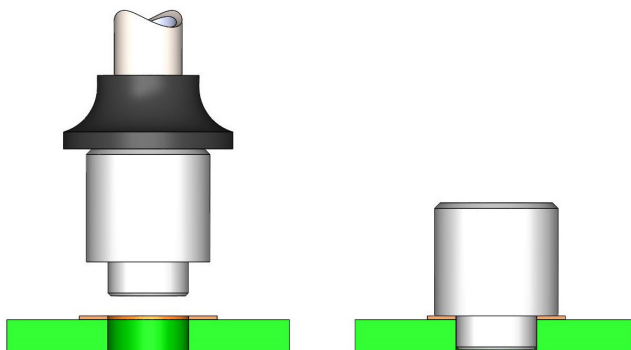
(2) Custom lengths by request.

MATERIAL AND FINISH

Material Code	Material Description	Finish Description
BR ¹	Brass	Electroplated Matte Tin per ASTM B545, Class A with Clear Preservative Coating, Annealed
ST	Carbon Steel	Electroplated Matte Tin per ASTM B545, Class A with Clear Preservative Coating, Annealed

(1) Material code BR not available for 0-80, S1, S1.2, S1.4 or M1.6 threads.

INSTALLATION



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.

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All dimensions in inches

INCH	Thread	Length			
		.062	.125	.250	.375
		Parts per Reel/Pitch			
	0-80	3500/.315	2000/.315	--	--
	2-56	1500/.472	1000/.472	650/.472	300/.630
	4-40	1500/.472	1000/.472	650/.472	300/.630
	6-32	1500/.472	1000/.472	650/.472	300/.630
8-32	1100/.630	800/.630	500/.630	300/.630	

METRIC	Thread	Length						
		1	2	3	4	6	8	10
		Parts per Reel/Pitch						
	S1	3500/8	2500/8	2000/8	--	--	--	--
	S1.2	3500/8	2500/8	2000/8	--	--	--	--
	S1.4	3500/8	2500/8	2000/8	--	--	--	--
	M1.6 x 0.35	3500/8	2500/8	2000/8	--	--	--	--
	M2 x 0.4	--	1500/12	1000/12	900/12	650/12	375/16	300/16
	M2.5 x 0.45	--	1500/12	1000/12	900/12	650/12	375/16	300/16
	M3 x 0.5	--	1500/12	1000/12	900/12	650/12	375/16	300/16
M3.5 x 0.6	--	1500/12	1000/12	900/12	650/12	375/16	300/16	
M4 x 0.7	--	1100/16	800/16	675/16	500/16	375/16	300/16	

(2) Parts available in bulk without polyimide patch by special request.



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