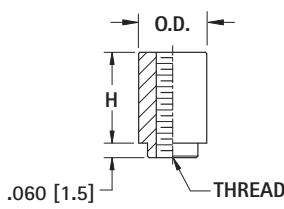


SURFACE MOUNT STANDOFFS & SPACERS

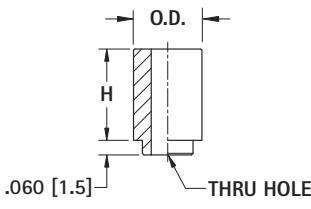
**MATERIAL:** Steel, Tin Plate**PACKAGING:** Supplied on 13 inch reels with Kapton tape added to top surface of standoff for vacuum pickup

SUPPLIED ON TAPE AND REEL

SMT Standoffs & Spacers are supplied on tape and reel with Kapton tape added to the top surface. This allows for the standoff to be placed on the circuit board using standard vacuum pick and place equipment. Attachment of the standoff to the PCB is completely controlled. Costly scrapping of populated board due to improper installation of swage or broaching spacer is eliminated.



THREADED STANDOFFS



CLEAR HOLE SPACER



Mounting Hole

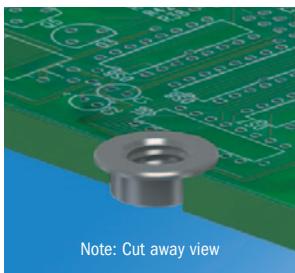


Threaded Metric Standoffs						
CAT. NO.	H HEIGHT	PARTS/ REEL	THREAD	OUTSIDE DIA. (O.D.)	MTG. HOLE	SOLDER PAD DIA.
24881	2.00 (.080)	1500	M3	5.56 (.219)	.166 (4.2)	.244 (6.2)
28442	3.00 (.118)	1000				
24883	4.00 (.157)	900				
24884	6.00 (.236)	650				
24885	8.00 (.315)	375				
24886	10.00 (.394)	300				

THREADED STANDOFFS	CLEAR HOLE SPACERS	SMT STANDOFFS & SPACERS							
		CAT. NO.	CAT. NO.	H HEIGHT	PARTS/ REEL*	THREAD	OUTSIDE DIA. (O.D.)	MTG. HOLE	SOLDER PAD DIA.
4871	—	4881	4886	.062 (1.57)	1500	2-56	.219 (5.6)	.147 (3.7)	.244 (6.2)
		4872	—	.125 (3.17)	1000				
		4873	—	.250 (6.35)	650				
4881	4886	4882	4887	.125 (3.18)	1000	4-40	.219 (5.6)	.166 (4.2)	.244 (6.2)
		4883	4888	.250 (6.35)	650				
		4885	—	.312 (7.94)	375				
		4884	4889	.375 (9.52)	300				
4891	4896	4892	4897	.125 (3.18)	1000	6-32	.281 (7.1)	.213 (5.41)	.306 (7.8)
		4893	4898	.250 (6.35)	650				
		4894	4899	.375 (9.53)	300				

SURFACE MOUNT THREADED INSERTS

SUPPLIED ON TAPE AND REEL

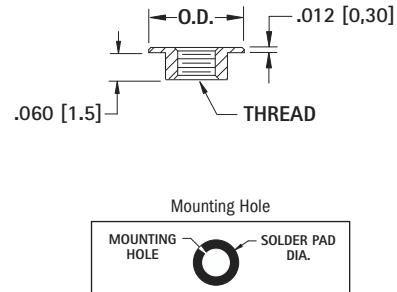


Note: Cut away view

MATERIAL: Steel, Tin Plate**PACKAGING:** Supplied on 13 inch reels with Kapton tape added to top surface of standoff for vacuum pick-up

Zero height threaded inserts sit just .012 (0.30) above the board for an easy method of adding threads to PCB. Can be installed using same equipment and processes as any SMT product.

Zero Height SMT Threaded Inserts					
CAT. NO.	THREAD	OUTSIDE DIA. (O.D.)	MTG. HOLE	SOLDER PAD	PARTS/ REEL
4929	2-56	.219 (5.6)	.147 (3.7)	.244 (6.2)	1500
4939	4-40	.219 (5.6)	.166 (4.2)	.244 (6.2)	
4949	6-32	.281 (7.1)	.213 (5.41)	.306 (7.8)	
24929	M2.5	.219 (5.6)	.166 (4.2)	.244 (6.2)	
24939	M3	.219 (5.6)	.166 (4.2)	.244 (6.2)	
24949	M4	.281 (7.1)	.213 (5.41)	.306 (7.8)	



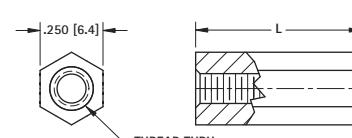
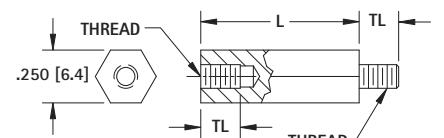
Mounting Hole



EXTREME TEMPERATURE NYLON STANDOFFS



Keystone's high performance nylon standoffs will stand up to harsh conditions such as automotive under hood applications. The standoffs are manufactured with a material that was specifically designed to survive the most extreme conditions. The plastic is designed to stay pliable and maintain its tensile strength in extreme cold and heat.

MATERIAL: High Performance Nylon 46, Black**Operating Temperature:** -20°F to 365°F (-30°C to 185°C)

HIGH PERFORMANCE MALE/FEMALE			
L LENGTH	4-40 CAT. NO.	6-32 CAT. NO.	8-32 CAT. NO.
.250 (6.4)†	4940	4970	4980
.375 (9.5)	4941	4971	4981
.500 (12.7)	4942	4972	4982
.750 (19.1)	4944	4974	4984
1.000 (25.4)	4946	4976	4986

† .140 (3.56) Internal Thread Depth

HIGH PERFORMANCE FEMALE/FEMALE			
L LENGTH	4-40 CAT. NO.	6-32 CAT. NO.	8-32 CAT. NO.
.250 (6.4)	4842	4874	4932
.375 (9.5)	4843	4875	4933
.500 (12.7)	4844	4876	4934
.750 (19.1)	4846	4878	4936
1.000 (25.4)	4848	4880	4938