

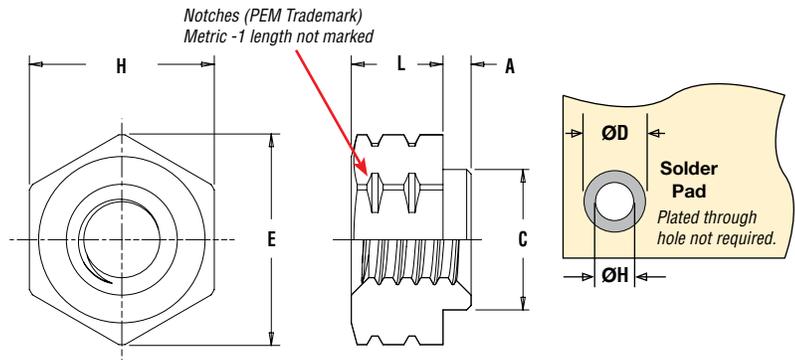
microPEM[®] Surface Mount Fasteners

New surface mount ReelFast[®] microPEM[®] (Type SMTSO[™]) fasteners for compact electronic assemblies attach to P.C. Boards for nut/standoff applications. These fasteners mount on P.C. 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.



Features and Benefits

- Hex shaped barrel provides larger solder area.
- Provided on tape and reel.
- Reduces board handling.
- Smallest thread size: M1 / #0-80.
- Minimum sheet thickness 0.5 mm / .020".
- RoHS compliant.



All dimensions are in inches.

UNIFIED	Thread Size	Type	Thread Code	Length Code	Min. Sheet Thickness	A Max.	C Max.	E Ref.	H Nom.	L ±.003	ØH Hole Size In Sheet +.003 - .000	ØD Min. Solder Pad
	.060-80 (#0-80) ⁽¹⁾	SMTSO	080	2	.020	.019	.095	.144	.125	.062	.125	.098
			4									

All dimensions are in millimeters.

METRIC	Thread Size	Type	Thread Code	Length Code	Min. Sheet Thickness	A Max.	C Max.	E Ref.	H Nom.	L ±0.08	ØH Hole Size In Sheet +0.08	ØD Min. Solder Pad
	S1 ⁽²⁾	SMTSO	M1	M1	1	0.5	0.48	2.41	3.66	3.18	1	2.5
2					2							
3					3							
S1.2 ⁽²⁾	SMTSO	M1.2	M1.2	1	0.5	0.48	2.41	3.66	3.18	1	2.5	4.19
				2						2		
				3						3		
S1.4 ⁽²⁾	SMTSO	M1.4	M1.4	1	0.5	0.48	2.41	3.66	3.18	1	2.5	4.19
				2						2		
				3						3		
M1.6 x 0.35 ⁽³⁾	SMTSO	M1.6	M1.6	1	0.5	0.48	2.41	3.66	3.18	1	2.5	4.19
				2						2		
				3						3		

Threads: (1) Unified ASME B1.1, 2B
(2) Miniature ISO 1501, 4H6
(3) Metric ASME B1.13M

Material: Carbon steel

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

Optional Finish: DT - Electro-plated matte tin ASTM B 545, Class A with clear preservative coating, annealed

For use in: P.C. Board

Part Number Designation

SMTSO - 080 - 2 ET

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Type Thread Code Length Code Finish Code

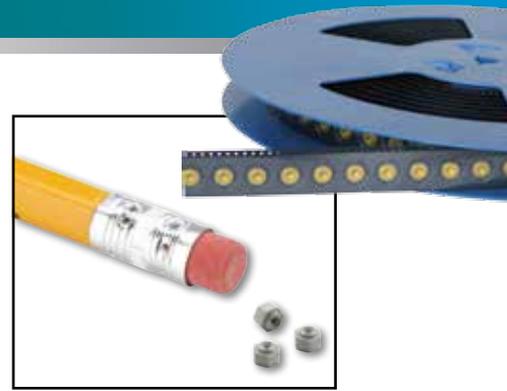


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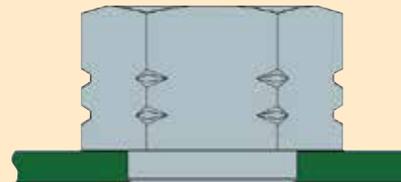
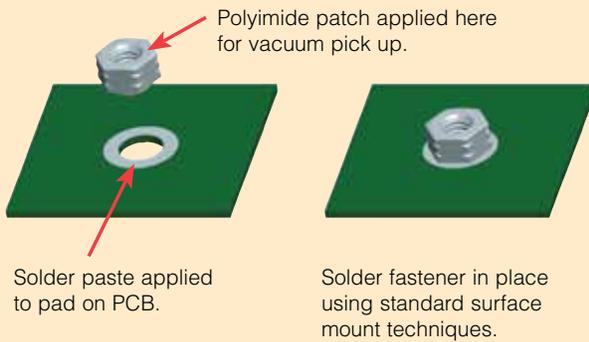
NUMBER OF PARTS PER REEL / PITCH (MM) FOR EACH SIZE

Thread Size	Length Code			
	1	2	3	4
080	—	3500 / 8	—	2000 / 8
S1, S1.2, S1.4, M1.6	3500 / 8	2500 / 8	2000 / 8	—

Packaged on 13" recyclable reels. Tape width is 16 mm.
Supplied with polyimide patch for vacuum pick up.
Reels conform to EIA-481.

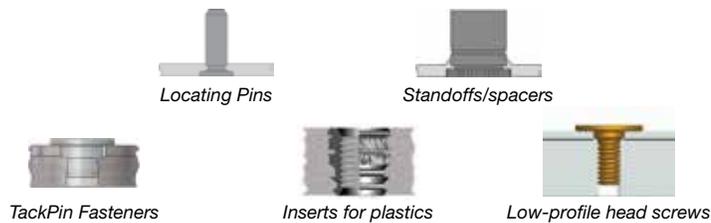


Installation



ReelFast[®] SMT product performance data is listed on our web site for general comparison purposes only because product performance is dependent upon application variables. We will be happy to provide samples for you to install. If required, we can also test your installed hardware and provide you with specific performance data.

To see our complete line of microPEM fasteners and capabilities go to our website and click on the microPEM button.



microPEM[®] FASTENERS

RoHS compliance information can be found on our website.
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Specifications subject to change without notice.
See our website for the most current version of this bulletin.

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