



**PennEngineering**  
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**Part # KFE-M3-4ET, Broaching Standoffs - Types KFE, KFSE - Metric**

No matter how sophisticated or advanced, electronic components must be attached reliably and securely if they are to deliver optimum performance. We offer several fastener products for use with PC boards to satisfy component-to-board, board-to-board, and board-to-chassis attachment needs.

Broaching fasteners can also offer practical alternatives to “loose” hardware. They install permanently in all types of PC boards, as well as aluminum, acrylic, casting and polycarbonate components. A broaching

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Specifications

<b>Thread Size x Pitch</b>	M3 x 0.5	
<b>L - Length ± 0.13</b>	4 mm	
<b>A (Shank) Max.</b>	1.53 mm	
<b>Min. Sheet Thickness</b>	1.53 mm	
<b>Hole Size in Sheet + 0.08</b>	4.22 mm	
<b>C ± 0.08</b>	4.68 mm	
<b>E ± 0.13</b>	5.56 mm	
<b>F</b>	4.00 mm	
<b>Min. Dist. Hole C/L to Edge</b>	4.40 mm	
<b>For Use in Sheet Hardness<sup>1</sup></b>	HRB 70 / HB 125 or Less	PC Board
<b>Thread Specification</b>	Internal, ASME B1.13M, 6H	
<b>Fastener Material</b>	Carbon Steel	

<b>Standard Finish</b>	Electro-Plated Tin, ASTM B545, Class B with Clear Preservative Coating, Annealed
<b>CAD Supplier</b>	PennEngineering® (PEM®)

<sup>1</sup> HRB - Hardness Rockwell "B" Scale. HB - Hardness Brinell.