

PEM® Fasteners for Printed Circuit Board Applications Enable Secure and Reliable Attachment Using Minimal Hardware

Several dedicated families of PEM® fasteners from PennEngineering® enable secure and reliable attachment for a wide range of printed circuit board applications. Depending on type and style, these fastener solutions can satisfy component-to-board, board-to-board, board-to-chassis, or stacking or spacing attachment challenges. They offer practical alternatives to loose hardware and other joining methods, install permanently without secondary operations, and ultimately can simplify and streamline assembly.

PEM ReelFast® surface mount fasteners include threaded or unthreaded nuts and standoffs, captive panel screws (spring-loaded or standard), and R'ANGLE® types uniquely providing strong re-usable threads at right angles to boards. All are supplied on tape and reel compatible with existing SMT automated installation equipment and mount in the same manner and at the same time as other surface mount components prior to the automated reflow solder process.

PEM broaching fasteners include threaded nuts, threaded or unthreaded standoffs, panel fastener assemblies, threaded studs, and SNAP-TOP® standoffs with a spring action to hold boards securely without screws or threaded hardware. All can be used in boards and in aluminum, acrylic, casting, and polycarbonate components. During installation, a specially formed axial groove in the fastener broaches into the host material to create a firm, interference-type fit resistant to rotation.

PEM broach/flare-mount standoffs for stacking or spacing applications integrate a combined broach/flare feature promoting even greater pullout performance upon installation in board materials.

The board-oriented product line has further expanded with PEM SpotFast® clinch/broach fasteners ideally suiting applications where metal must be joined to boards or plastic panels.

Detailed specifications and performance data (Bulletin K), fastener drawings, and models can be accessed at www.pemnet.com.

Headquartered in Danboro, PA, USA, and founded in 1942, PennEngineering is a global leader in the fastening industry with technical and manufacturing facilities in North America, Europe, and Asia supported by a global engineering-focused sales force and a worldwide network of authorized distributors.

For more information, visit www.pemnet.com, email info@pemnet.com, or contact Michael J. Rossi, PennEngineering®, 5190 Old Easton Road, Danboro, PA 18916-1000 USA. Phones: +1-800-237-4736 (toll-free in the U.S.) and +1-215-766-8853.