

PennEngineering®

PEM[®]LINE

Fastening Products, Systems, and Applications from the Industry Pioneer

NEW FASTENER SOLUTION

ReelFast® microPEM™ FASTENERS FOR NUT/STANDOFF APPLICATIONS INSTALL ON P.C. BOARDS WITH OTHER SURFACE MOUNT COMPONENTS

New ReelFast® microPEM™ (Type SMTSO™) fasteners for compact electronic assemblies install permanently 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. A unique hex-shaped barrel provides a larger solder area and, upon installation, the steel fasteners become another board component. The fasteners can serve equally well as nuts or standoffs to space or stack P.C. boards, mount boards, or attach components.

Their use can reduce the risk of damage to boards (and resulting scrap) that may occur when conventional fasteners are improperly installed with off-line equipment, minimize the number of loose parts, reduce board handling, and promote quicker assembly by eliminating secondary operations. The fasteners are offered in thread sizes as small as M1 / #0-80 and lengths as short as 1mm / 0.62". All can be installed in boards as thin as 0.5mm / .020". Fasteners are packaged on 13" recyclable reels measuring 16mm in width. Reels conform to EIA-481 standards and are compatible with existing SMT automated installation equipment. A supplied polyimide patch for the end of the fastener allows for vacuum pickup.



Detailed specifications (Bulletin MSMT) and free part drawings (PEM CAD Library) for these RoHS-compliant fasteners can be accessed at www.pemnet.com. These fasteners join a growing family of microPEM™ fasteners and capabilities.



www.pemnet.com

WEBSITE ADDITIONS

New Atlas® videos and tool selector chart

New operational videos have been added for the complete line of Atlas® blind threaded rivet installation tools. To view go to http://www.pemnet.com/fastening_products/atlas/tools.html



To help you choose the proper insertion tool for Atlas blind threaded rivet products we now include a Tool Selector Chart at http://www.pemnet.com/fastening_products/atlas/Selector_Guide.html



New animations

Several new fastener installation animations have been added to the Video and Animation Library. Specifically we have added microPEM™ pins and standoffs to the collection.

To see all of the library go to: http://www.pemnet.com/design_info/animation_library.html



New translated catalog PDF's

We now have complete catalogs in French, Italian and German on our site at http://www.pemnet.com/comp_lit_files/. These can be viewed in a new flip page format PDF viewer.

Catalogue en Francais



Kataloge in Deutsch



Catalogo in Italiano



TECH UPDATES AND TIPS

FREE! PEM® WEBINAR Sponsored By The Fabricator Magazine

PennEngineering will present “Self-clinching fasteners: A Tutorial” in partnership with The Fabricator. Some of the topics covered will be, the basics of self-clinching along with information on installation, materials and performance.

When: Wednesday, May 23, 2012 @ 2:00pm (EST)

To register go to: <http://media.thefabricator.com/webcasts.cfm>

TECH TIP

PEM® - REF / SURFACE FINISHING SHEET METAL ASSEMBLIES

Subject: Surface Finishing Sheet Metal Assemblies with Self-Clinching Fasteners

Steel and aluminum panels in assemblies often will undergo surface finishing for reasons ranging from cosmetics to performance, while stainless steel panels may require passivation. For any assembly subject to surface finishing and requiring self-clinching hardware, a central question will arise: How and when should a metal panel be surface finished without degrading the installed performance of the self-clinching fasteners? A basic understanding about self-clinching fastener technology and the issues associated with surface finishing can help guide the way toward best practices. To read or download the entire Tech Sheet go to:

http://www.pemnet.com/design_info/articles/Surface_Finish.pdf

NEWS

3V Fasteners Wins Prestigious Platinum Supplier Award From Spirit Aerosystems

3V Fasteners Company, Inc., a PEM® Company, has been awarded the prestigious “2011 Platinum Supplier Award” by Spirit AeroSystems, Inc. in recognition of overall customer satisfaction and excellent performance. 3V Fasteners became one of only 13 companies – and the only fastener manufacturer – selected from Spirit’s entire worldwide supplier base to win the award. All 13 suppliers were honored recently at Spirit’s Inaugural Supplier Recognition Event in Wichita, KS.

Selection for the award was based on key criteria including quality, on-time delivery, support, and willingness to partner with Spirit for overall improvement in value both to Spirit and its customers. 3V Fasteners notably earned high marks on quality and delivery – 100% defect-free quality acceptance and zero late deliveries.

Spirit AeroSystems, Inc., based in Wichita, KS, is one of the world’s largest non-OEM designers and manufacturers of aerostructures for commercial aircraft. Core products include fuselages, pylons, nacelles, and wing components, and aftermarket customer support services include spare parts, maintenance/repair/overhaul, and fleet support services.

3V Fasteners Company, Inc., an AS9001:2008 and AS9100C certified company based in Corona, CA, is a subsidiary of PennEngineering® and has been a leading manufacturer of precision aerospace fasteners since 1982.

<http://www.3VFasteners.com>

Announcing New Distributor in Brazil/ Novo distribuidor no Brasil

We would like to introduce our new authorized PEM® distributor in Brazil:

Rivex Coml. e Importadora Ltda.

Rua Guaipá, 363 - Sala 01

Vila Leopoldina

S.Paulo – SP, Brazil

CEP 05089-001

Phone: +55 [11] 3641.4189 • Fax: +55 [11] 3641.4403

E-mail: ivar.benazzi@rivex.com.br

www.rivex.com.br

Upcoming Tradeshow

PennEngineering will be exhibiting 3V®, QRP® and aeroPEM™ fastener aerospace/aircraft products at the:

Farnborough International Airshow (Farnborough, UK)
July 9 - 15, 2012

<http://www.farnborough.com/airshow-2012>

For additional PEM® product tradeshow listings worldwide go to: http://www.pemnet.com/trade_show_calendar/

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PennEngineering® develops and manufactures PEM® brand fasteners, 3V® brand precision aerospace fasteners, SI® inserts for plastics, ATLAS® blind threaded inserts and QRP® brand quick release pins.

Fastener installation systems include PEMSERTER® automatic and manual precision presses, In-Die and robotics capabilities, and the StickScrew® System for small-screw insertion.

PennEngineering®



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Visit our PEMNET™ Resource Center at www.pemnet.com