Fasteners Ideal for Spacing Applications in Compact Electronics

New PEM micro self-clinching standoff fasteners introduce ideal hardware for spacing or stacking applications in compact electronic assemblies. These micro standoffs can serve as practical, cost-effective, and permanently secure solutions enabling quicker assembly of devices ranging from hand-held consumer electronics to medical equipment, among others.

PEM Type MSO4 micro self-clinching standoffs are manufactured from 400 Series stainless steel and are engineered with threads as small as M1.0 / #00 and in lengths as short as 2mm / .080”. They can be installed into sheet metal (including 300 Series stainless steel) as thin as 0.4mm / .016” with maximum hardness up to HRB 88 on the Rockwell “B” scale.

The micro standoffs clinch permanently into place by simply pressing them into a properly sized mounting hole using a punch and anvil until the fastener’s head is flush with the sheet. Upon installation, they become a permanent part of an assembly, will not loosen or fall out, and provide strong and reusable load-bearing threads. Installing them automatically can further reduce costs by accelerating production and eliminating any need to handle the small parts.

These RoHS-compliant micro standoffs are part of a growing family of PEM micro self-clinching hardware products.

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