



# FASTENING SOLUTIONS FOR AUTOMOTIVE ELECTRONICS.

*DRIVEN FORWARD.*





## PEM® FASTENERS

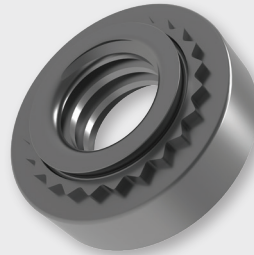
The innovation behind PEM® self-clinching fastening solutions can add significant value and cost savings to your most complex automotive electronics requirements. Our portfolio is one of the largest and most diverse in the industry.

### SEE HOW THE INNOVATIVE THINKING BEHIND PEM® FASTENING SOLUTIONS CAN MOVE YOU FORWARD

Over 80% of today's top automakers rely on the high performance and engineering excellence of PEM® fastening solutions.

From airbags to infotainment systems, PEM® and microPEM® products are found in a variety of automotive electronics systems throughout a vehicle. And whatever the application, they help move you forward with bigger cost savings, greater reliability, and eco-friendly performance.

*Lightweighting*  
*Reduced Fastener Footprint*  
*Less Assembly Time*  
*SafetyCritical Reliability*  
*Clean Performance*



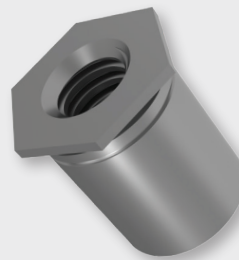
Self-Clinching Nuts



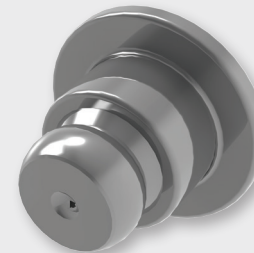
Cable-Tie Mounts and Hooks



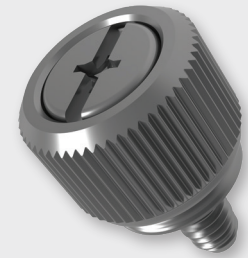
Self-Clinching Studs and Pins



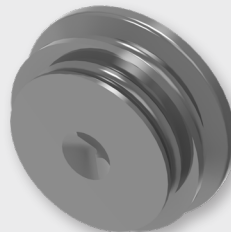
Self-Clinching Standoffs



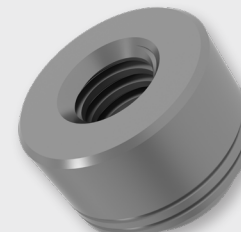
microPEM® Fasteners



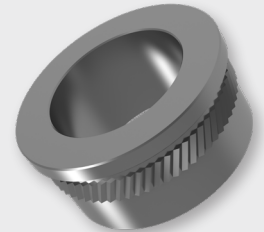
Captive Panel Screws



Sheet Joining Fasteners



PCB Mounting Fasteners



SI® Compression Limiters

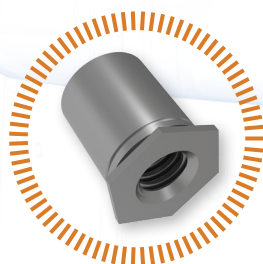


## DESIGN ENGINEERED FOR CRITICAL AUTOMOTIVE ELECTRONIC APPLICATIONS

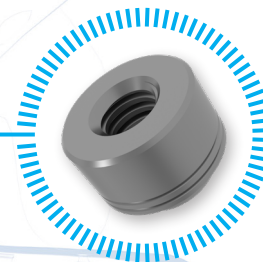
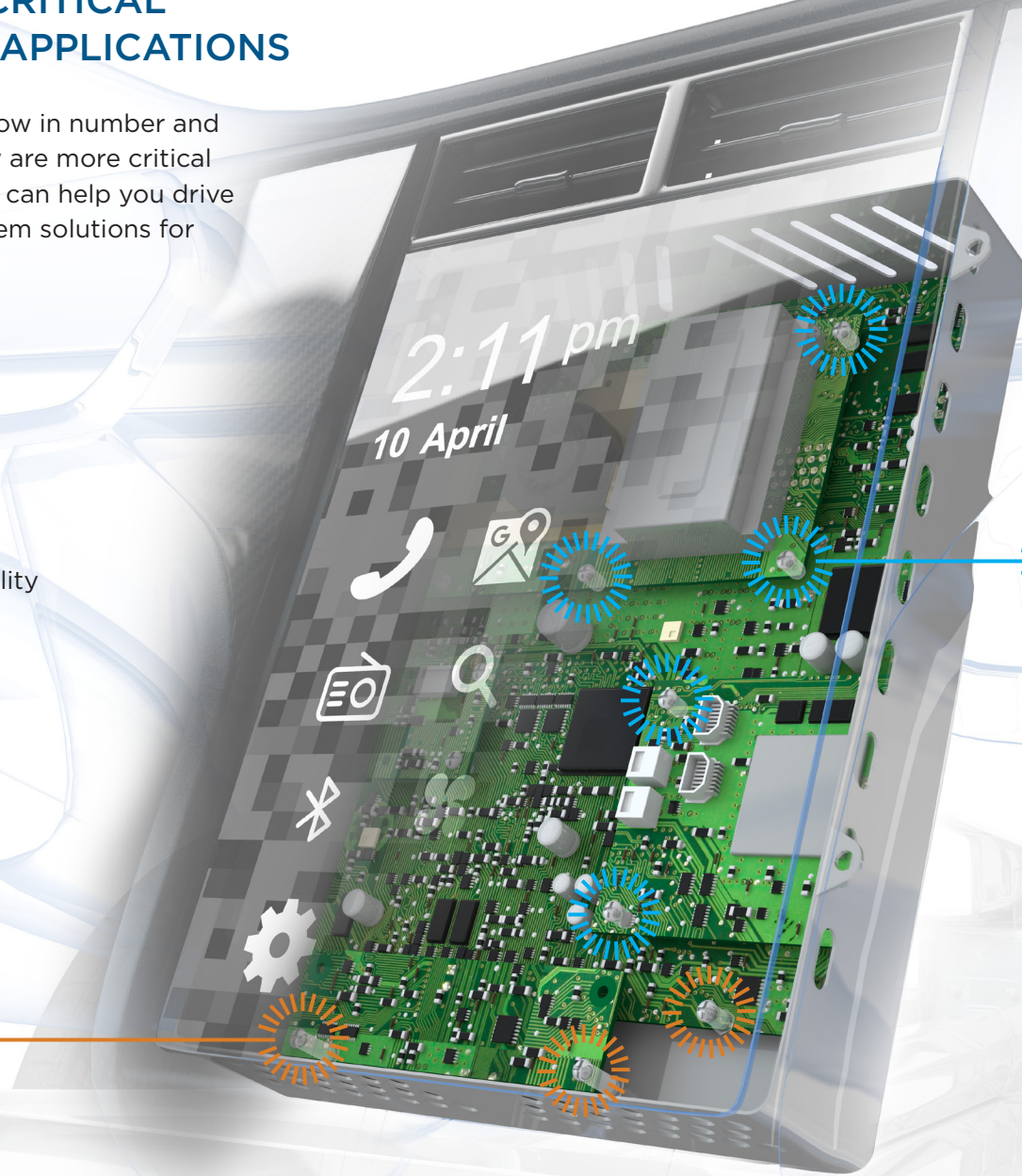
As electronics-based systems in vehicles grow in number and complexity, high performance and reliability are more critical than ever. Our design engineering expertise can help you drive innovation with custom parts and total system solutions for practically any application you have.

- Infotainment
- Navigation
- Communication
- Driver Assistance
- Safety and Security
- Wireless Connectivity
- Electric Powertrain

Meet tomorrow's challenges today with quality PEM® brand fasteners.



**Self-Clinching  
Standoffs**



**PCB Mounting  
Fasteners**



## PEM® CLEAN LAB

The demand for technical cleanliness in the automotive electronics industry has risen sharply in recent years. As system components become more compact, even the smallest particle contamination can put performance at risk.

To ensure the technical cleanliness of PEM® fastening solutions, our PEM® Clean Lab uses the most sophisticated cleaning and testing processes to meet today's clean requirements.

Our state-of-the-art Clean Lab equipment tests for technical cleanliness in accordance with customer specifications and ISO 16232 and VDA 19 standards.

## GLOBAL CONTACT INFORMATION

### NORTH AMERICA

Danboro, Pennsylvania USA  
info@pemnet.com  
+1-215-766-8853  
800-237-4736 (USA)

### EUROPE

Galway, Ireland  
europe@pemnet.com  
+353-91-751714

### ASIA/PACIFIC

Singapore  
singapore@pemnet.com  
+65-6-745-0660

### SHANGHAI, CHINA

china@pemnet.com  
+86-21-5868-3688

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