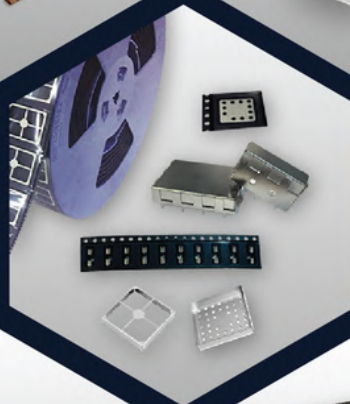
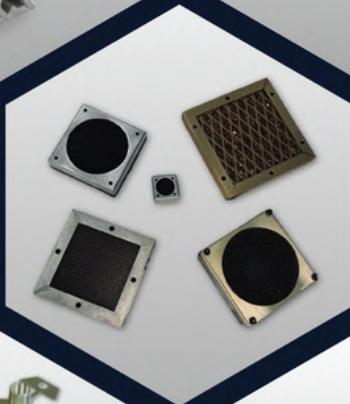
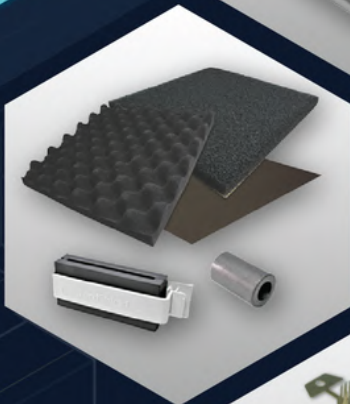
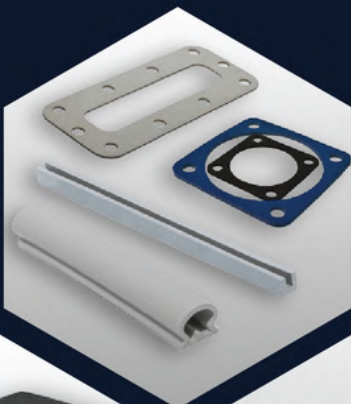


PRODUCTS & CAPABILITIES

ENGINEERING SELECTION GUIDE

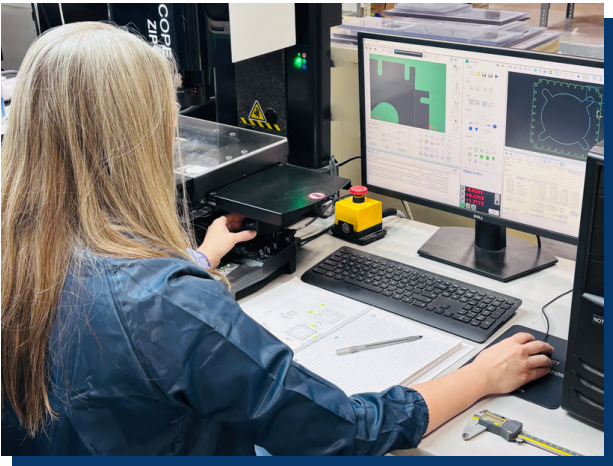




Leader Tech Inc. delivers the most trusted, reliable, and advanced EMI shielding and thermal interface solutions engineered for the world's most demanding industries.

We offer the industry's best circuit board shields along with an ever expanding line of Thermal Management Materials, Finger Stock Gaskets, Conductive Elastomers, EMI Honeycomb Vent Panels, Wire Mesh Gaskets, as well as Ferrites.

Our highly trained Engineers and Service Teams look forward to working with you on your next project. Our experts will guide you through the design and procurement process and make ordering products easy. We pride ourselves on having some of the most highly



trained and knowledgeable staff available to our customers, you will always have your calls answered by a person, not an automated machine - giving you confidence that we are a company that is responsive to your needs. To meet the ever expanding requirements

of our customers, particularly for custom applications, Leader Tech has developed an in house Research and Development department. They will guide you through the design process and provide you with a prototype within days!

We offer a truly innovative approach to the increasingly complex demands of our customers. At Leader Tech we are constantly evaluating and updating our manufacturing processes, providing greater flexibility while allowing us to drastically reduce the time to market for our products. Better designs, reduced lead times and outstanding service will ultimately make our customers more competitive and successful in their applications.



We are constantly making new investments in equipment, technology and, most of all, people to enhance our capabilities and position ourselves as your single source for Board, Enclosure, Cable Shielding and Thermal Solutions.

5 STEP COMMITMENT TO OUR VALUED CUSTOMERS



Our vision



Our mission



Our products

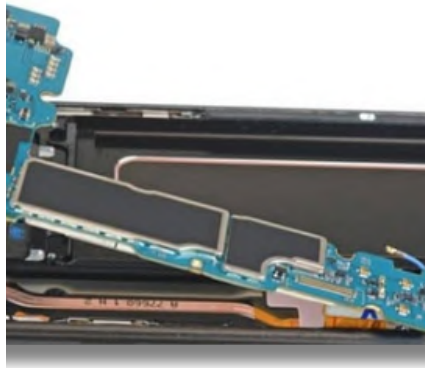


Our facilities



Our services

Visit www.leadertechinc.com to learn about our 5 step commitment



THERMAL INTERFACE MATERIALS

Gap Fillers

Thermal gap fillers are a reliable heat transfer media which conform to surface gaps and irregularities to fill the air gaps and conduct heat from a heat source to another surface, or heat sink. Available in a wide variety of shapes, sizes, and thermal conductivities, thermal gap fillers are a cost-effective solution for some of the most difficult and delicate thermal situations.

Composite Indium sheets are capable of transitioning from solid to liquid at its melting point and back to solid again at room temperature. Capable of uniform thermal resistance at compressed environments where low stress is applied.

High Performance Indium

High Performance Carbon Fiber

Carbon Fiber thermal pads are ultra-thin with low thermal resistance. This thermal pad mainly uses carbon fiber as a thermally conductive filler by producing the carbon fiber vertically arranged in the polymer matrix to form a thermal conduction path in the vertical direction, greatly enhancing the heat transfer efficiency. In addition, the carbon fiber thermal pad is highly flexible, which can be used as a replacement of thermal grease material.

Thermal greases are known for their ability to cover a surface completely and eliminate essentially all air gaps between two surfaces, providing a highly efficient heat transfer. They are typically applied using a syringe, either manually or using an automatic dispensing process for high precision and mass production.

Grease/Gel Series

High Performance Graphene

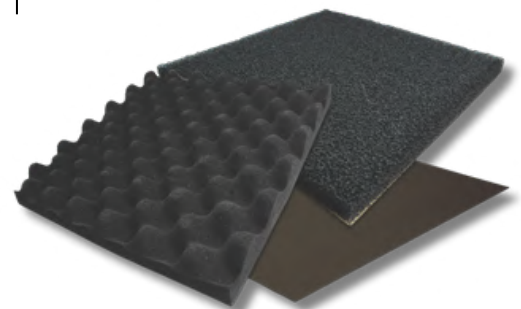
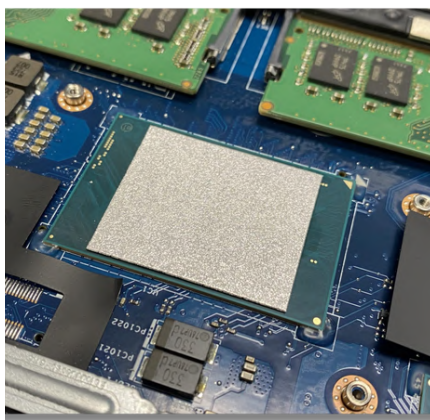
Graphene thermal pads are fabricated by combining graphene and silicone. The materials are arranged in the polymer matrix in an orderly manner to form a good thermally conductive path, which greatly improves the efficiency of heat conduction. In addition, this material has high resiliency and low density which can be used as a replacement of thermal grease materials.

Microwave absorbers are utilized to attenuate microwave energy from 500 MHz to 80 MHz. Absorbers are composed of either iron-infused silicone or carbon-coated polyurethane foam. Greatest performance is achieved when absorber thickness is comparable to a quarter of the wavelength of the offending frequency. **Thermally Conductive Absorbers**, are dual function composite material combining thermal and absorbing functions.

Microwave Absorbers

THERMAL INTERFACE MATERIALS

ABSORBERS





The Leading Edge In EMI Shielding Technology

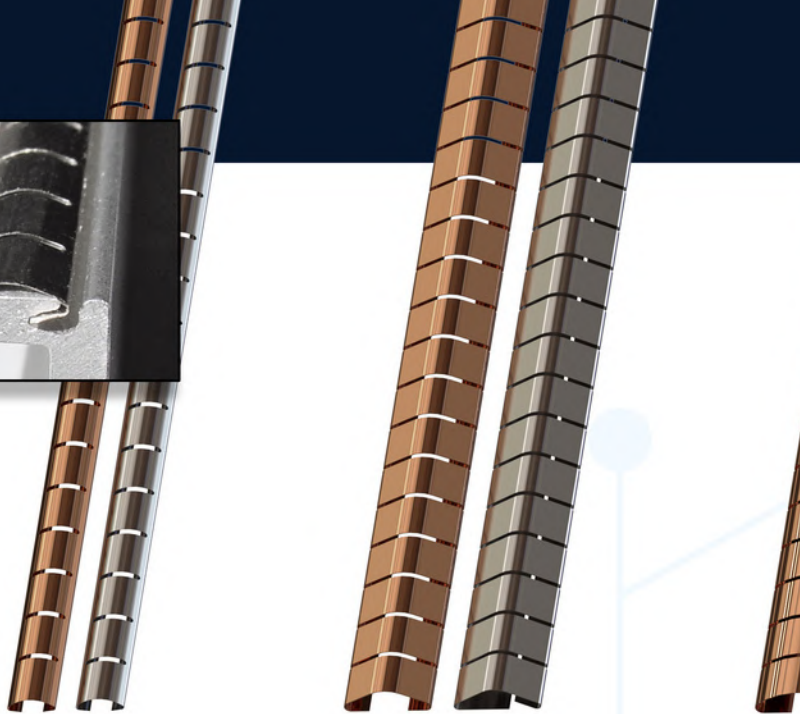
Contact us for more information at:

sales@leadertechinc.com,

813-855-6921

or visit our website at

www.leadertechinc.com



FINGER STOCK EMI GASKETS

PCI Series

High performance Compact PCI Gaskets designed for easy card insertion in rack mount applications. This gasket is available in three different sizes to accommodate different customer extrusions. They are available in both Beryllium Copper and Stainless Steel.

Slot & Adhesive Mount Series

Slot Mount Gaskets are a standard in the enclosure industry. These gaskets are used in shorter lengths as ESD contacts and in longer lengths as EMI gaskets. Easily mounted onto chassis in a variety of ways including: clipping into slots; sliding onto tracks or adhesive mounting.

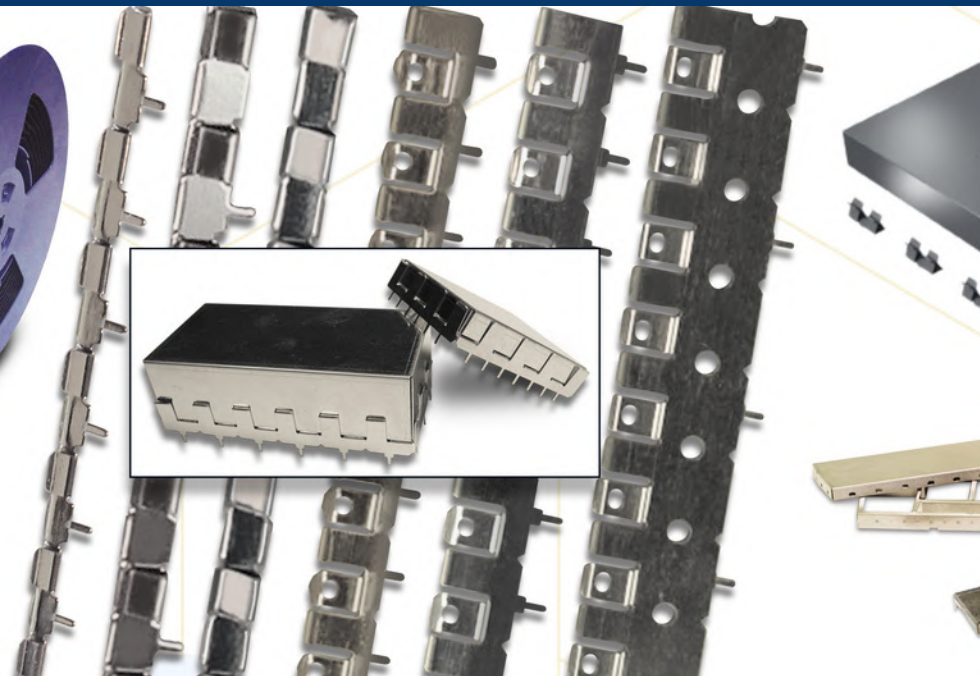
Surface Mount Shields offer a highly reliable, cost effective, off-the-shelf solution for most surface mount shielding applications. Our SMS shields are supplied in tape & reel packaging and are suited for applications with automated pick and place assembly operations.

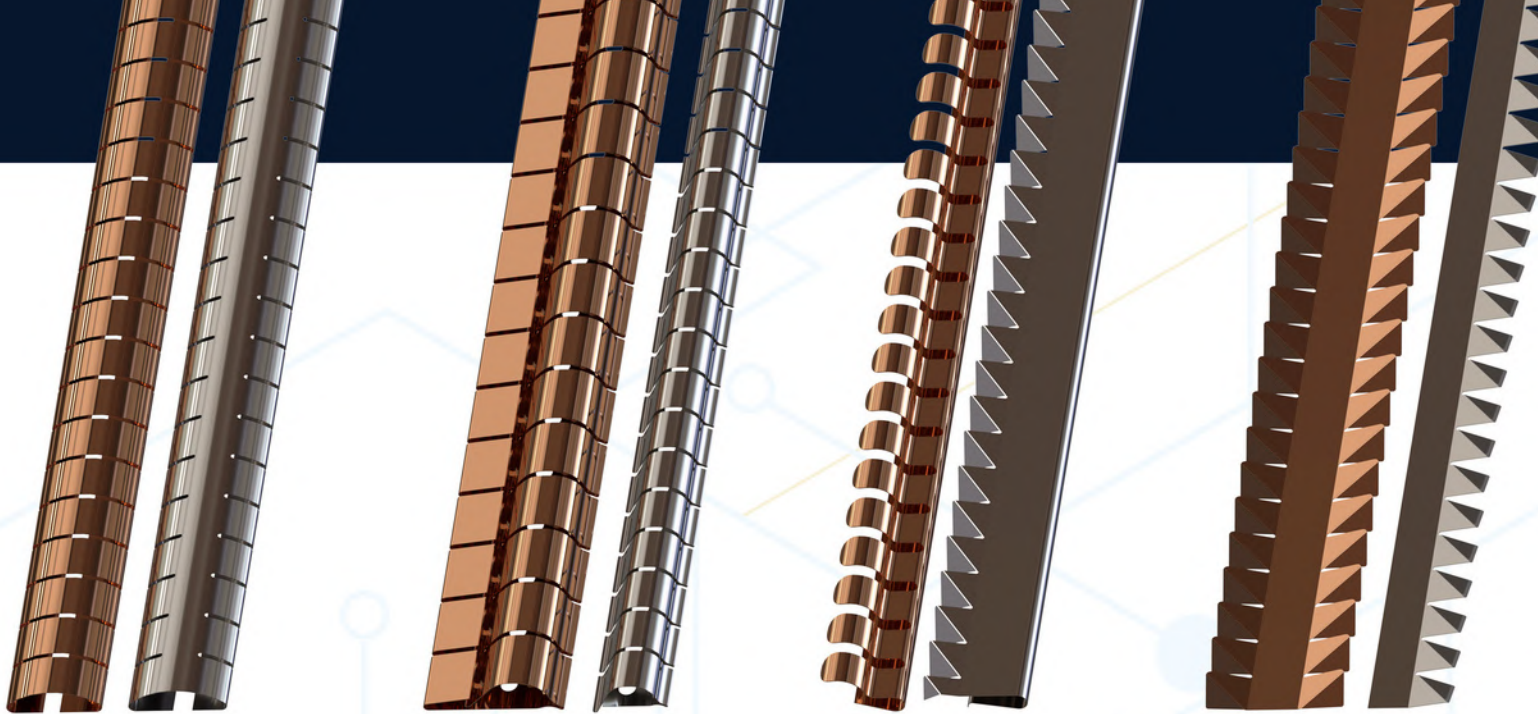
Surface Mount Shields

These shields offer the alternating finger design that assures the strongest cover retention in the industry. Our 10, 20, 40, 50 & 80 Series allows for flexibility in design while reducing lead time and cost. We offer many standard features and custom modifications to suit most applications. These fences lend themselves to both through-hole and surface mount designs. Standard material is .015" pre tin coated steel. Other materials such as Phosphorous Bronze and Copper Nickel Alloy 770, are also available.

10, 20, 40, 50 & 80 Fence Series

CIRCUIT BOARD SHIELDING





FINGER STOCK EMI GASKETS

Dome Top Series

The Dome Top Gaskets are known for their large surface area for electrical contact and smooth wiping action. Also available in a solid top profile allowing for omni-directional wiping. Together with the Slot Mount Series, the Dome Top Gaskets are a mainstay in the enclosure/chassis industries. Commonly mounted with adhesive tape.

Folded Series

Folded Gasket series are industry standard general-purpose gaskets that allow a large range of deflection and compression forces. These gaskets are available with or without tape for alternate attachment methods. Also available in a snag-free version where, under compression, the leading edge of the gasket slides into an extended and folded base which prevents possible damage to the gasket.

Clip-On Series

Clip-On Gaskets are used in enclosures, shielded cabinets, and on circuit cards as ESD contacts and EMI gaskets. For edge mount applications, close attention must be given to clip size, lance requirements, deflection parameters and finger configuration. Leader Tech provides application assistance in the development specifications.

Twist Series

The twist series gaskets are designed for demanding compression applications. These will compress to material thickness and provide excellent shielding performance. Profiles include standard flat, right angle, double twist and clip-on.

The Tech Clip is a cost effective EMI board shield clip solution that allows for EMI shield placement on a PCB without post soldering. Tech Clips eliminate the need for hand soldering, as the parts are delivered in tape & reel packaging and are compatible with high speed automated placement equipment.

As close to custom as you can get...without the cost! Slot-Lok™ shields are designed and manufactured using proprietary methods that increase shield design flexibility while reducing lead time and total product cost. If you need a cost-effective shielding solution with near limitless design flexibility, Slot-Lok™ is the option of choice.

Leader Tech is the worldwide leader in standard off the shelf Circuit Board Shielding technology. When applications do not permit the use of our standard CBS products, our design team works with customers to develop innovative and cost effective solutions. Utilizing our in house fabrication techniques from prototype to production, designs can range from modified standards to complex shapes and multi-cavity configurations.

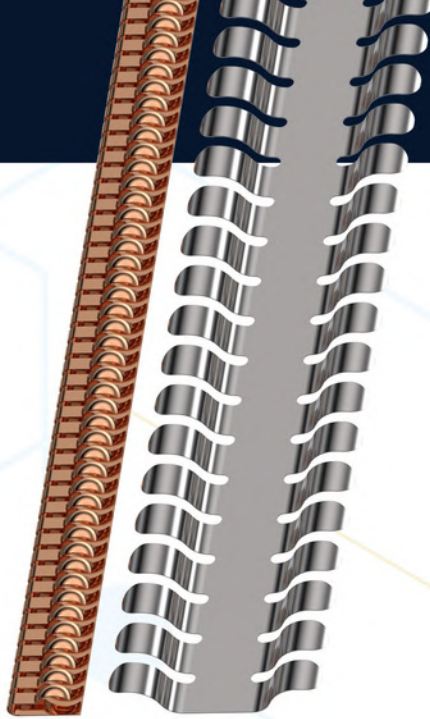
Tech Clip

Slot-Lok™

Custom Shields

CIRCUIT BOARD SHIELDING





FINGER STOCK EMI GASKETS

Contact Series

Contact gaskets are primarily used for grounding and shielding in high frequency applications. These gaskets provide engineers and designers with flexibility to solve their shielding and grounding issues. They are available in a variety of different lengths, widths and profiles.

CUSTOM STAMPINGS

Precision Metal Stampings

For over 20 years, Leader Tech has been supplying customers with high quality precision custom prototypes and stampings. Our in-house tool & die design and build expertise, combined with our extensive manufacturing capabilities, allow us to manufacture custom precision components for many applications. Our expertise is not limited to just the stamping portion of the application but can include value added operations such as the addition of insulating materials, hardware and other required features. From prototype to production runs Leader Tech can meet your custom needs with the shortest and most reliable lead times in the industry.

Leader Tech's range of Multi Cavity circuit board shields (CBS) saves space, weight, assembly costs and time-to-market. These shields typically consist of multiple internal cavities sharing connecting walls, from simple two cavity shields to more complex, multiple cavity applications. With the current trend for decreasing circuit board sizes, space is at a premium. Design Engineers now require solutions that will provide superior shielding effectiveness while still focusing on size and weight requirements. Standard material is Nickel Copper Alloy 770.

Multi Cavity Shields

Fabric Shielding Gaskets (FSG) Fabric Over Foam structure is a combination of a highly conductive nickel/copper ripstop fabric and a resilient polyurethane foam core. FSG products have superior shielding properties and ensure long performance life all in a cost effective manner. **Hi-temp FSG also available.**

Fabric Shielding Gaskets

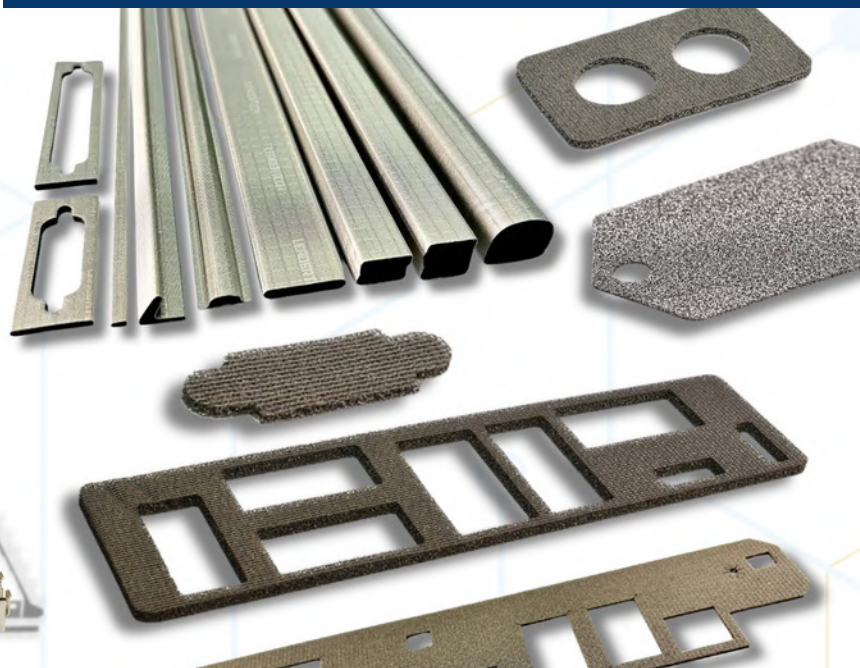
CFS Material consists of resilient Nickel-Copper polyurethane foam which is layered between two pieces of conductive polyester fabric. This CFS Conductive Foam is ideal for applications that require low compression forces but excellent shielding effectiveness.

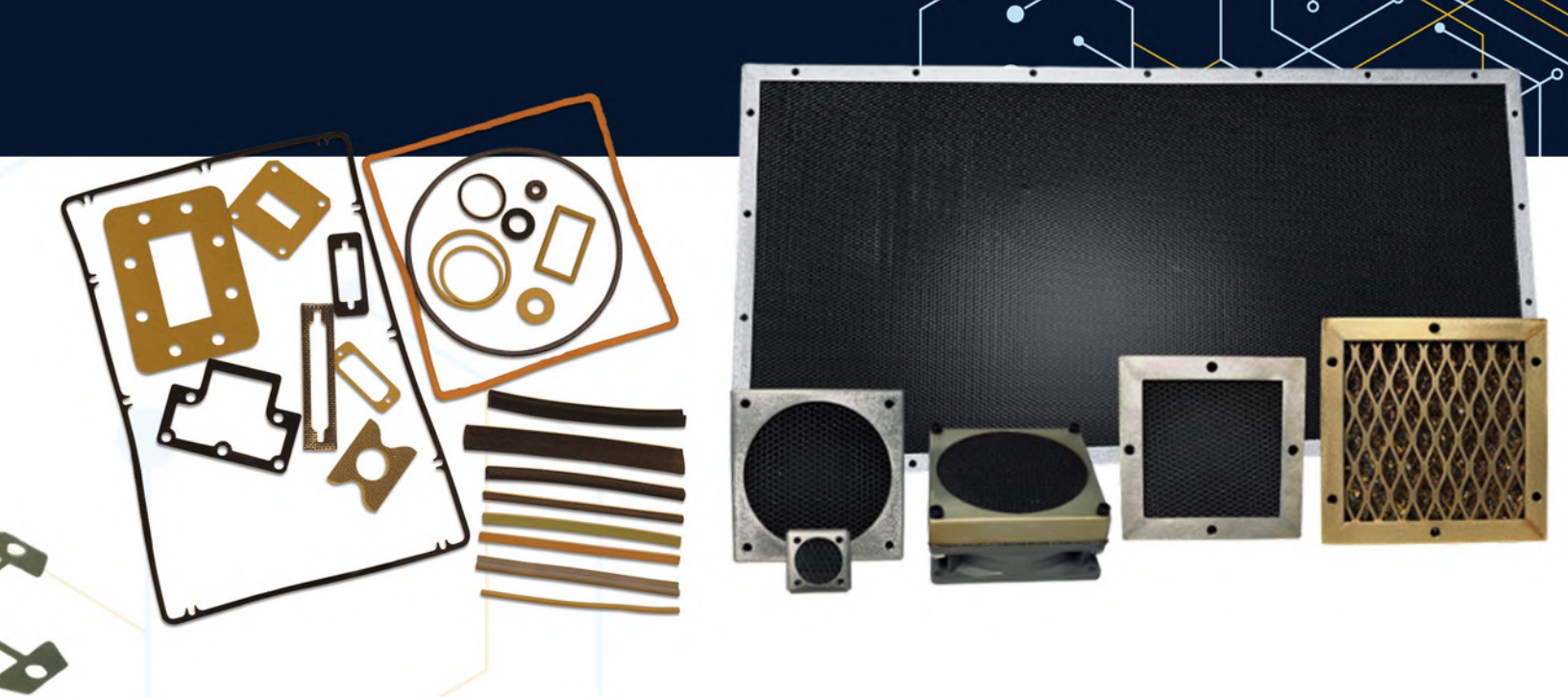
Conductive Foam Shielding

CIRCUIT BOARD SHIELDING



ENCLOSURE SHIELDING PRODUCTS





ADDITIONAL EMI SHIELDING GASKETS

TechSIL Conductive Elastomer Products

Leader Tech's TechSIL Electrically Conductive Elastomer materials are ideal for customer applications requiring both excellent EMI shielding and environmental sealing across a wide temperature range. Conductive Elastomer compounds are available in standard and custom configurations including extruded, molded, sheet stock, and die cut gaskets.

Wire mesh gaskets are designed to offer a high level of attenuation. Their knit construction offers enhanced long lasting resiliency and is an ideal material for highly sensitive components where environmental sealing is not a concern. These gaskets are available in a variety of materials.

TechMESH Wire Mesh Gaskets

Tech Vent EMI/RFI Vent Panels

EMI vent panels are the perfect solution to shield openings for heating and ventilation against electromagnetic interference. The Tech Vent EMI vent panels are constructed with aluminum honeycomb to maximize shielding effectiveness as well as airflow performance. These panels are manufactured with a rigid aluminum frame and pre-drilled to meet your mounting specifications. They utilize EMI gasketing as well as weather sealing material for grounding to an enclosure and providing environmental protection.

FerriShield Ferrites are one of the most versatile and cost-effective cable shielding methods available today. Our ferrites attack unwanted RF right on the circuit wiring, eliminating the need for more costly forms of RFI control. Available in solid and bisected designs, each style can make the task of regulatory compliance quicker and less troublesome.

FerriShield Ferrite Suppressors

ENCLOSURE SHIELDING PRODUCTS



CABLE SHIELDING





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Board
Level Shielding



Thermal
Gap Fillers



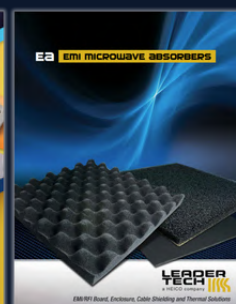
Conductive
Elastomers



Enclosure
Shielding



FerriShield
Ferrites



EMI Microwave
Absorbers

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