



Quick Guide

ESSENTIAL COMPONENTS FOR DEFENSE

essentracomponents.com

MAKING IT EASIER



WHEN EVERY COMPONENT MATTERS

We're Essentra Components, a global manufacturer and distributor of small yet essential components that play a critical role in the defense industry. From advanced military vehicles and UAVs to precision navigation and guidance systems, our high-performance solutions are designed to withstand extreme conditions and meet the rigorous demands of mission-critical applications.

We partner with many of the world's leading defense contractors, and system integrators, delivering the highest standards of quality, service, and compliance. With 14 manufacturing facilities worldwide, we combine global reach with localized expertise, ensuring that our customers receive the best solutions, no matter where they operate.

Our extensive product range, engineering capabilities, and supply chain strength allow us to provide customized, high-performance components for manufacturers of drones, armored vehicles, and search & detection systems. Whether you need robust cable management, fastening solutions, or specialized protection components, we have the expertise and infrastructure to support your most demanding applications.

IDEAL FOR:
DRONES
ARMORED VEHICLES
NAVIGATION & INSTRUMENTATION

WE WORK TO THE
HIGHEST INDUSTRY STANDARDS
WITH ISO ACCREDITATION



KEY CHALLENGES WE HELP SOLVE

In defense applications, even the smallest components can have a big impact on performance, durability, and safety.

Essentra Components provides specialized solutions to address common challenges faced by these industries:

- Reliable **cable management** to prevent damage to wiring and ensure signal integrity in extreme environments.
- Secure and accurate cable polarization to prevent misalignment and enhance system efficiency.
- **Sealing solutions** to keep electronic components watertight, dustproof, and tamper-resistant under harsh operating conditions.
- Streamlined **assembly solutions** to simplify manufacturing and reduce production time.
- Optimized **access solutions** for enclosures and critical system components.
- Robust **fastening solutions** for military-grade enclosures, and electronic rack systems.
- Corrosion-resistant protection for **mounting hardware**, fasteners, and structural components exposed to extreme weather and operational stress.
- Shock and vibration protection to prevent microcracks, structural fatigue, and electronic failures in high-impact environments.

From drones to armored vehicles, we provide engineered solutions that enhance reliability, efficiency, and longevity.

ARMORED VEHICLES

Our components are designed to withstand extreme environments and high-impact conditions. From cable and hose protection to rugged access hardware, we help prevent damage, reduce vibration, and enhance long-term durability in armored vehicle systems.

HOSE PROTECTION

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SPIRALGUARD® HOSE PROTECTORS

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HOSE PROTECTION SLEEVES - TEXTILE

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HOSE WEAR PROTECTORS

CABLE & WIRE MANAGEMENT

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HEAVY-DUTY SUPPORT CLAMPS



PROTECTION

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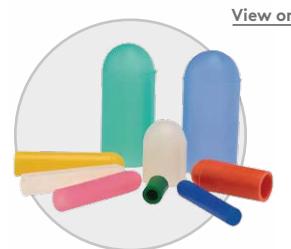
TAPERED CAPS AND PLUGS

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BLANKING PLUGS

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ROUND VINYL END CAPS

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MASKING STRAIGHT CAPS

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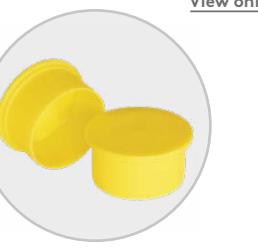
SILICONE CAPS & PLUGS

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SEALING GASKETS

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MASKING TAPES, HOOKS & BAGS

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PARALLEL PROTECTION PLUGS



ARMORED VEHICLES

LOCKS, LATCHES & HINGES


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HEAVY DUTY LATCHES


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TORQUE/POSITION CONTROL HINGES


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TOGGLE LATCHES



KNOBS, PINS & LANYARDS


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QUICK RELEASE PINS - RINGS

HANDLES


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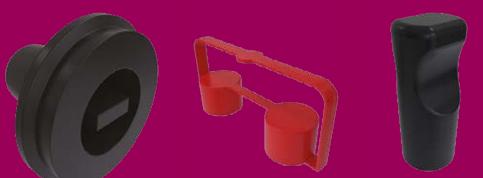
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WE MANUFACTURE CUSTOM PARTS, TOO!

We provide solutions to 50 of the top 100 largest manufacturers in the world. With over 50 years of manufacturing experience, we can customize our wide range of components for a variety of industries and applications.

3D PROTOTYPING LOCAL SERVICE & SUPPORT



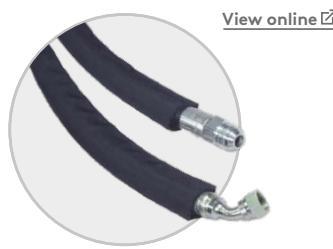
LAUNCHERS

Precision and resilience are critical in launcher systems. Our range supports secure enclosure access, hose routing, and component protection. This minimizes the risk of failure and streamlines maintenance, even in the most demanding settings.

HOSE PROTECTION



SPIRALGUARD® HOSE PROTECTORS

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HOSE PROTECTION SLEEVES - TEXTILE

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HOSE WEAR PROTECTORS

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CABLE & WIRE MANAGEMENT



HEAVY-DUTY SUPPORT CLAMPS

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LIQUID TIGHT GROMMETS

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HANDLES



MACHINE HANDLES

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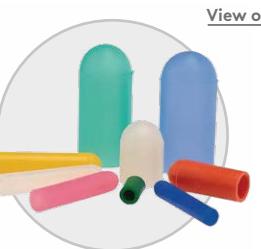

ADJUSTABLE T HANDLES - FLUSH MOUNT

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PROTECTION


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TAPERED CAPS AND PLUGS


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MASKING STRAIGHT CAPS


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SEALING GASKETS


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BLANKING PLUGS


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SILICONE CAPS & PLUGS


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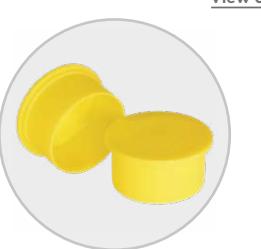
MASKING TAPES, HOOKS & BAGS


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ROUND VINYL END CAPS


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CIRCULAR CONNECTOR CAPS


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PARALLEL PROTECTION PLUGS

KNOBS, PINS & LANYARDS


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QUICK RELEASE PINS - RINGS

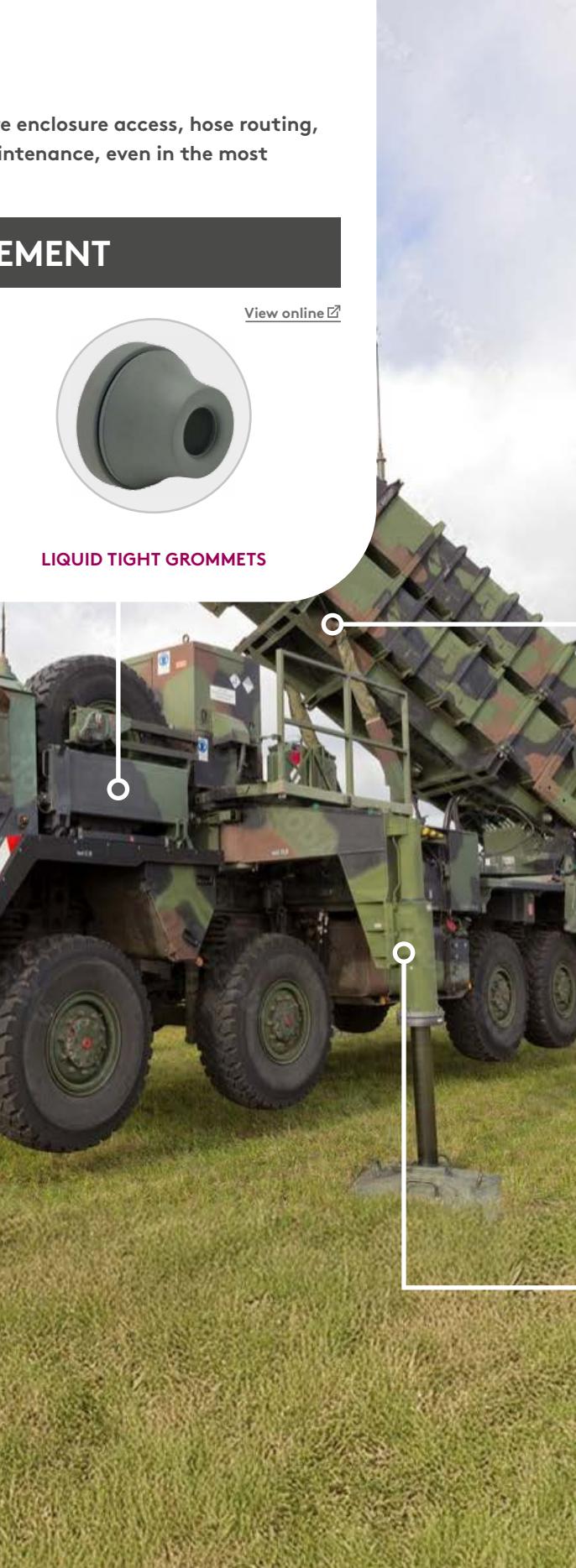

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HEAVY DUTY LATCHES


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QUARTER TURN LOCKS

LOCKS, LATCHES & HINGES



DRONES

Lightweight and efficient solutions for today's aerial systems. Our cable management, PCB hardware, and fasteners ensure signal integrity, reduce weight, and simplify assembly, without compromising performance or durability.

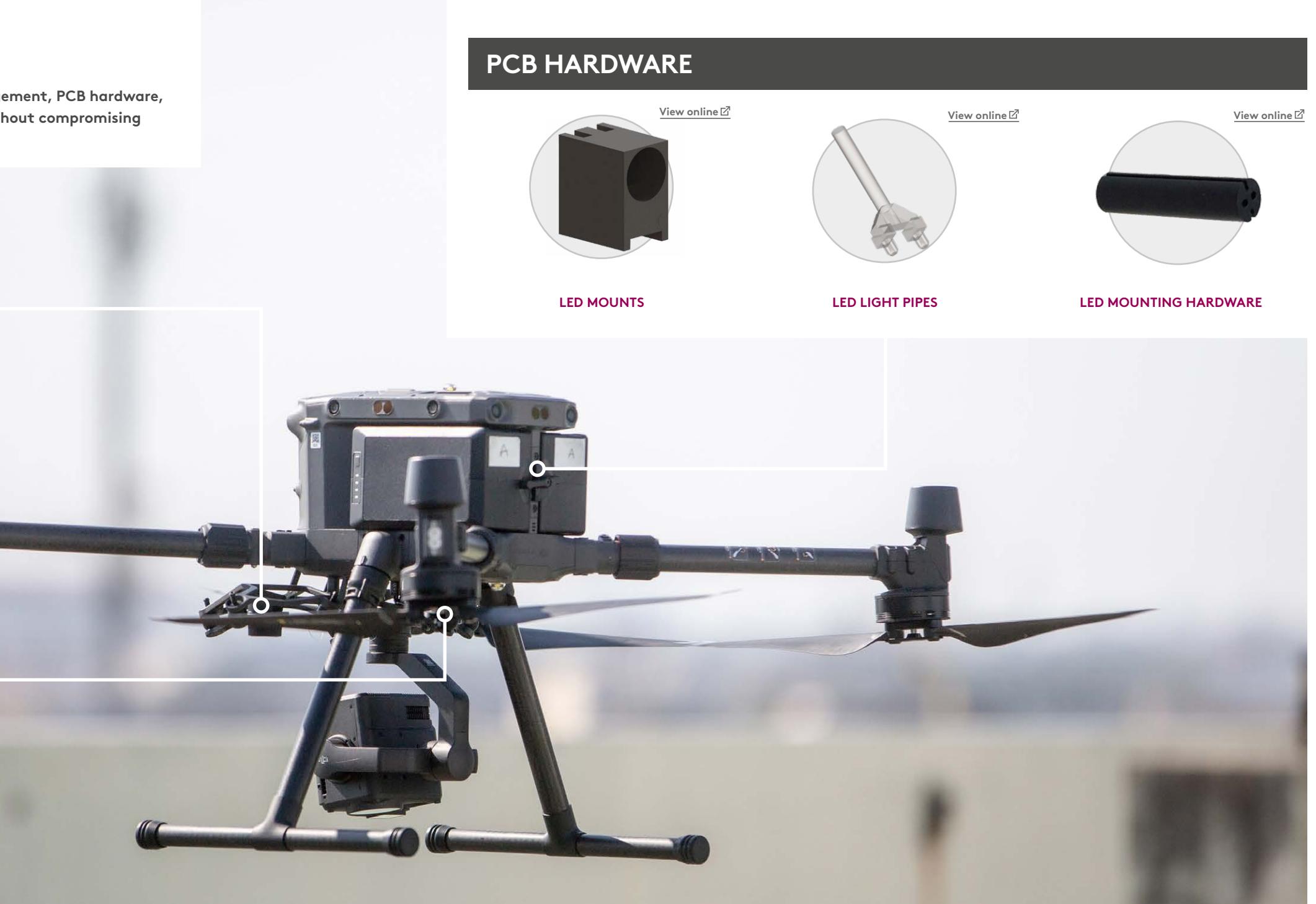
CABLE & WIRE MANAGEMENT


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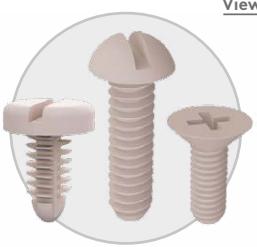
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GROMMETS

UV-RESISTANT CABLE TIES



FASTENERS


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MACHINE SCREWS


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HEX NUTS - PLASTIC

EYE BOLTS - PLASTIC EYE BOLT

PUSH-IN RIVETS - SNAP

PCB HARDWARE


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LED MOUNTS

LED LIGHT PIPES

LED MOUNTING HARDWARE


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UNSCREWING RIVETS

RETAINING WASHERS

NATURAL NYLON FLAT WASHERS

NAVIGATION

Reliable performance starts with protected, well-managed systems. Our components support signal clarity and secure assembly through advanced cable routing, vibration-resistant fasteners, and durable PCB hardware built for precision and reliability.

CABLE & WIRE MANAGEMENT


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HEAVY-DUTY SUPPORT CLAMPS

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GROMMETS


PCB HARDWARE


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LED MOUNTS
LED LIGHT PIPES
LED MOUNTING HARDWARE

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NATURAL NYLON FLAT WASHERS
UNSCREWING RIVETS
RETAINING WASHERS

KNOBS, PINS & LANYARDS


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BALL AND TAPERED KNOBS


FASTENERS


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MACHINE SCREWS

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EYE BOLTS - PLASTIC EYE BOLT
PUSH-IN RIVETS - SNAP

YOU'LL HAVE WHAT YOU NEED WHEN
YOU NEED IT:



STOCK2SHIP
— By Essentra —

- Over 15,000 popular products ready for shipping
- Includes over 90% of our catalog caps & plugs

SPEAK TO ONE OF OUR EXPERTS ABOUT
YOUR APPLICATION REQUIREMENTS



**PEEK®: HIGH-PERFORMANCE SOLUTIONS
FOR DEMANDING APPLICATIONS.**



BENEFITS FOR DEFENSE:

- **EXTREME THERMAL STABILITY:** Withstand the punishing extremes of flight and operation, maintaining structural integrity up to 350°F (180°C). Ideal for high-temperature engine components, and thermal insulation.
- **SUPERIOR CHEMICAL RESISTANCE:** Resist harsh fuels, lubricants, and corrosive environments encountered in defense operations, ensuring long-term reliability.
- **ENHANCED DURABILITY & RELIABILITY:** Experience extended service life with PEEK's exceptional strength, stiffness, and wear resistance. Critical for reducing maintenance and downtime in demanding field operations.
- **WEIGHT OPTIMIZATION:** Achieve significant weight reductions without compromising structural integrity. PEEK's lightweight properties are essential for improving fuel efficiency, payload capacity, and maneuverability.
- **UNWAVERING PERFORMANCE IN HARSH ENVIRONMENTS:** PEEK's low moisture absorption ensures consistent performance in high-pressure water, steam, and humid conditions, vital for naval and ground-based applications.
- **RADIATION RESISTANCE:** PEEK has very good radiation resistance, important for space and some defence applications.



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