



ESSENTRA  
COMPONENTS

Quick Guide

# COMPONENTS FOR INDUSTRIAL ELECTRONICS

[essentracomponents.com](https://essentracomponents.com)

MAKING IT EASIER



# WHEN EVERY COMPONENT MATTERS

We're Essentra Components, a worldwide manufacturer and distributor of small, but vital parts for multiple industries and are proud that even the smallest solutions have a big part to play in Industrial Electronics. We can offer a vast array of essential components for manufacturers or system installers that can help you deliver quality products and services.

We work with many of the world's leading Industrial Electronics manufacturers, providing the highest standards of service and quality. More broadly, we work with over 70% of the world's top 100 global manufacturers.

Our reach is global with 14 manufacturing facilities around the world, yet we work hard to maintain a local understanding. For you, that means our manufacturing capabilities, experience, customer focus, and global infrastructure allow us to leverage our extensive network to deliver bespoke solutions.

We're able to bring together the best products, ideas and distribution for Industrial Electronics firms, installers, electrical contractors and OEM manufacturers.

WE WORK TO THE  
**HIGHEST  
INDUSTRY  
STANDARDS**  
WITH ISO  
ACCREDITATION

WE  
WORK WITH  
**7 OF THE  
TOP 10**  
OF THE WORLD'S  
TOP 100 GLOBAL  
MANUFACTURERS

All industrial electronics equipment must handle the technical, aesthetic, weather and security challenges posed by having critical and expensive equipment outdoors. We are here to support you with components that meet industry standards and have NEMA, IP and UL type ratings.

## PCB FAN ACCESSORIES

Achieve smooth operation with fan accessories that manage temperature and provide protection against obstructions.

Page 14

## ACCESS HARDWARE

Weatherproof and ergonomically designed access hardware that combines ease of access with the security and tamper resistance you need to secure expensive and critical industrial electronics equipment enclosed in outdoor cabinets.

Pages 4 - 5

## GASKETING, SEALS AND GROMMETS

Ensure your equipment is water tight at all enclosure entry points.

Pages 6 - 7

## ELECTRONIC COMPONENTS AND ACCESSORIES

Help you create, organize and manage your electronic installation, whether circuit boards, cables or electromechanical operations.

Pages 12 - 14

## CABLE AND FIBER MANAGEMENT

Ensure you secure, organize and terminate your cables effectively to minimize costs of assembly and installations, while reducing the risk of accidental damage or service faults.

Pages 7 - 11

**Our solutions will help you minimize maintenance, maximize safety and help you achieve a long service life.**

No matter what stage your product is at, whether you're refining your design or prototyping, our expert advice, extensive range, consistent quality and custom solutions can make all the difference.



# CABINET HARDWARE & ACCESSORIES

Our range of cabinet hardware solutions can help you with all your requirements, delivering security, controlled access.

## LATCHES & CATCHES

Maintain ease of access and save time in a busy environment using easy-open latches and catches.

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**COMPRESSION LEVER LATCHES**

An adjustable locking lever allows for compression, eliminating noise and vibration conditions. The rear-bonded seal provides IP protection against water and contaminants.

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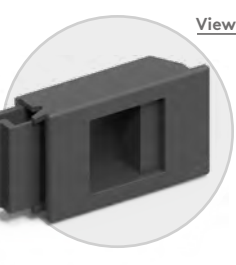
**SWINGHANDLES**

Designed to accommodate most panels and doors but especially larger sizes, which are ideal for multipoint locking for indoor and outdoor cabinets. Also eliminates the need for additional hardware, as they come with an integrated handle. Available in electronic versions or as standard key operated.

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**ROD LATCH SYSTEMS**

Used for added security by allowing incremental two and three-point locking. Includes flat and round rods, guides and catches for customized installation and security.

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**ADJUSTABLE W/ SECONDARY LOCK DRAW LATCH & KEEP**

Push-to-Close Sliding Latches

These locks feature a push-to-close operation and allow for a clean recessed installation. They offer keyed or keyless security options and are made from a durable light weight material.

## HOW ACCESS HARDWARE ADDRESSES YOUR NEEDS:

| NEED                   |                                             | SOLUTION                               |
|------------------------|---------------------------------------------|----------------------------------------|
| HINGES                 | ACCOMMODATE INTERNAL LIMITED SPACE          | EXTERNALLY MOUNTED HINGES              |
|                        | PREVENT TAMPERING                           | INTERNALLY MOUNTED HINGES              |
| LOCKS                  | EASY ACCESS IN CONTROLLED ENVIRONMENT       | EASY-TO-OPEN QUARTER-TURN LOCK         |
|                        | SECURITY                                    | CYLINDER CAM LOCK                      |
| LATCHES                | VIBRATION RESISTANCE                        | COMPRESSION LATCHES FOR BETTER SEALING |
|                        | INGRESS PROTECTION                          | IP65 RATED LATCHES                     |
| CATCHES & CATCH PLATES | KEEP DOORS AND PANELS CLOSED                | PANEL CATCHES                          |
|                        | EASY INSTALLATION                           | SNAP-IN MAGNETIC CATCHES               |
| HANDLES                | AVOID SNAGGING SKIN AND CLOTHES             | RECESSED HANDLES                       |
|                        | COMFORT OF USE                              | PULL HANDLES                           |
| GASKETS                | BARRIER AGAINST MOISTURE AND AIR            | WEATHER STRIPPING AND GASKET TAPE      |
|                        | WITHSTAND VIBRATIONS AND INGRESS PROTECTION | GASKETING                              |

## QUARTER TURN LATCHES

Outdoor cabinets can be susceptible to tampering and ingress of dirt or liquids. Our locks offer protection with unrivalled ease of motion and functionality.

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**CAM LATCHES**

Similar to quarter-turn latches but with a key-locking cylinder. Available keyed alike, keyed different, keyed Euro and keyed CH751. Also available in quick-connect, easy-fixing and different styles, such as “L”, “T” and “Wing Knob” handles.

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**QUARTER-TURN WING KNOB LATCH**

Designed to lock and secure panels and doors with a rotating cam (pawl) . Hand operated with a padlockable feature. Available in zinc alloy with chrome plated finish or natural stainless steel.

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**QUARTER-TURN CAM LATCHES**

Rotating cam (pawl) secures by engaging the frame or keeper on the back side. Available with a tool-key or hand-operated keyless or padlock versions. Spring-loaded design with added compression improves sealing for NEMA and IP-rating requirements. Comes in both fixed and adjustable grips, quick and easy-fixing options and different style,s such as “L”, “T” and “Wing Knob” handles.

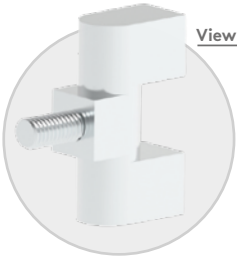
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**COMPRESSION LATCHES**

Choice of styles, such as standard round compression, T-handle, lift & turn, swell latches, and trigger and spring latches. Added compression provides a more secure seal where IP or NEMA performance is required, and improved insulation against noise and vibration conditions. Available as key-operated, tool-cylinder operated, padlock version or even keyless types.

## HINGES

Often a full, restricted or controlled range of door motion is required when accessing your application. Using the right hinge can provide increased functionality for your end users.

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**SIDE HINGES**

Exposed hinges mount from the side. They allow for a simple offset design from door to frame. Ideal for prominent doors and panels. Different material and mounting options.

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**CONCEALED HINGES**

A concealed option, allowing for standard installation on fabricated bends and curves. Features a take-apart design for easy removal of panels and doors and can be secured by fasteners and welding methods.

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**BUTT/LEAF HINGES**

Versatile hinges designed with two leaf-style plates with differing through-hole patterns and joined by a pin or rod which is secured by 3 or more overlapping knuckles. Available in a variety of different materials and finishes.

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**TORQUE/POSITION CONTROL HINGES**

Choose from a range of variable position control with detent or indexing hinges, and constant or adjustable torque-style hinges. Index and detent hinges offer pre-set opening position angles, which allows a door or lid to open and then remain in a set position. Torque hinges have internal resistance and restrict movement of your panel or door.



# CABINET HARDWARE & ACCESSORIES

## HANDLES

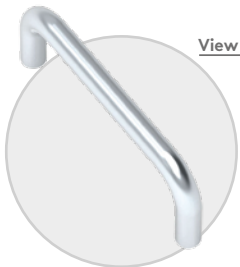
Handles come with different mounting options, in different materials or even as hand grips for health and safety applications. Choose from a range of diameters, fixing centres and projection heights to suit the environment in which your handles will be used.



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### RECESSED SNAP-IN PULL HANDLES

Designed for ease of assembly and offer a recessed mounting finish with snap-in feature to accommodate various panel thicknesses.



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### WIRE PULL HANDLES

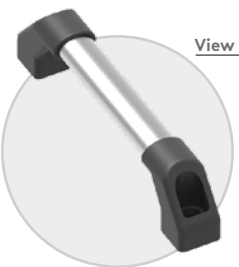
Slim and sleek design for modern industrial aesthetics. These are designed for rear mounting with threaded blind holes.



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### BRIDGE HANDLES

Bridge handles have a solid one-piece industrial design. They are available in light weight nylon, steel and stainless steel and offer easy to mount front or rear installation for a clean and functional look.



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### TUBULAR HANDLES

3-piece design with many standard and custom tube length options. These allow for a greater operating length and come with front mounting counter bored thru holes. Available in round and oval profile.

## GASKETING

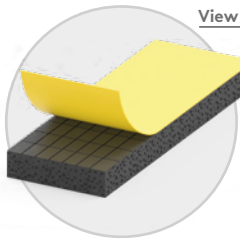
Essentra offers a wide range of gasketing, including edge protection and sealing. Used on sheet metal, they offer protection from vibrations and ingress of humidity and dirt. They provide an additional seal to enclosure boxes.



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### GASKET SEALS

Clip-on profiles offering edge protection and additional sealing when using bubble gasket profiles. Used on sheet metal, they protect against vibrations and ingress of humidity and dirt.



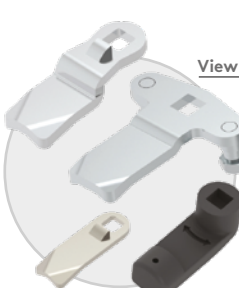
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### ADHESIVE BACKED SPONGE GASKETS

Foam sponge gasketing provides a barrier solution for moisture and dust. It also supports reduction in conditions prone to vibration and noise. Available in many different sizes, materials and shapes.

## CAMS & KEYS ACCESSORIES

YOU MIGHT ALSO NEED:



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### CAMS

Cams come in a large variety of grip configurations and accommodate standard interfacing locks. These are available in steel, stainless steel and plastic options.



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### DRIVER CYLINDER KEYS

Our driver cylinder locks and latches require a matching cylinder key. Our driver tool keys are available as needed and come in tall and short sizes.

# CABLE MANAGEMENT

Essentra offers a wide range of solutions to support telecoms equipment deployed in all environments, providing products with UV resistance and UL94-V2 to V0 flammability rating, both for standard or heavy-duty requirements.

## CABLE GLANDS & GROMMETS

Cable glands perform several important functions, from providing cable strain relief to protecting against damage.



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### CABLE GLANDS – SPIRAL

Ideal for use on electrical cabinets to provide strain relief and protect the cable from movement in application.



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### CABLE GLANDS – STRAIGHT

High-performance IP68 cable gland manufactured from UL94 V-2 rated nylon and comes with a TPE inner-sealing gland and a CR/NBR outer-sealing gland.



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### HOLE GROMMET

Snap-in design enables quick and easy installation. Suitable for harsh environments with wider operating temperature range.



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### IP67 SEALING GROMMET

Provides a dust and watertight seal, making it suitable for external applications. Easy to apply, withstands vibrations and also acts as a blanking plug until a cable is installed.

## HEAT SHRINK TUBING

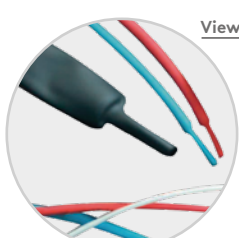
Heat shrink tubing is flexible and has excellent mechanical strength. It's used to protect a connection between a wire and a connector, while offering protection and sturdiness. It also provides strain relief for your cables, helping them perform at optimal level. If that's a priority, choose heat shrink tubing over braided cable sleeves. Available in different colors.



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### HEAT SHRINK TUBING – ADHESIVE LINED

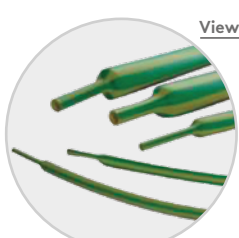
Provides insulation and sealing on applications like splices. Available in a variety of colours. UV resistant.



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### HEAT SHRINK TUBING – NON ADHESIVE

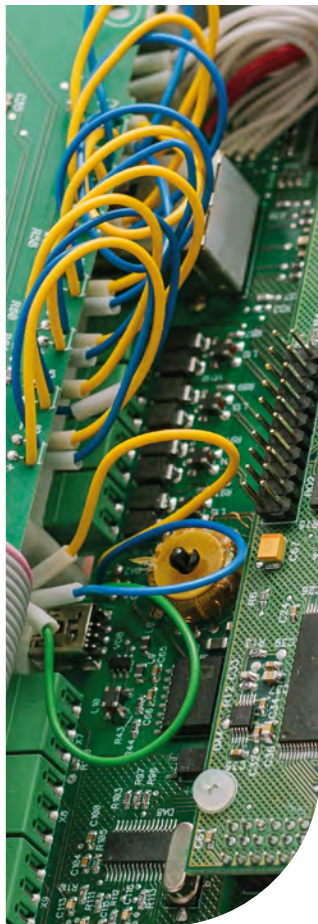
Widely used for electrical insulation, as it protects inline components, disconnects terminals and splices with its high insulation and excellent resilience. Polyolefin material. Rated UL94 V-0.



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### HEAT SHRINK TUBING – YELLOW & GREEN STRIPED

Designed to meet the standard of UL224. Free from environmentally harmful substances such as PBBs, PBBs and PBBEs. No dioxin is produced when the tubing is burnt. Widely used in the fields of communication and electronics. Highly flame retardant, UV resistant and excellent physical, chemical and electrical properties.



# CABLE MANAGEMENT

## CONDUITS & WRAPS

Our cable conduits & wraps help cables meet environmental demands while also protecting against dirt, dampness and extreme temperatures.



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### SLIT HARNESS WRAP

Perfect for organising and protecting cables, providing a durable, crush-resistant shell without restricting flexibility. Wires are easily fed into the harness with the compatible installation tool.



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### CONDUIT CLAMPS

Securely holds corrugated/convoluted tubing or other bundles. An internal rib spanning the diameter of the clamp provides a tight grip. Releasable latch for convenient maintenance. Fir-tree mount accommodates a large range of panel thicknesses. UL94 V-2.

## CABLE TIES & FIXINGS

High-quality solutions which can meet practically any challenge, helping you keep your cables organized, bundled and protected from hot components and sharp edges.



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### HEAT STABILIZED CABLE TIES

Ideal for applications where heat is generated or present. UL94 V-2, UV resistant with greater stability properties in harsh environments.



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### HOOK & LOOP CABLE TIES

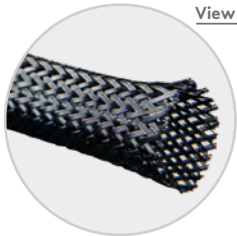
Ideal for multiple applications where re-use is necessary or bundled wires require extra care. Also available with plastic buckle.



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### SPIRAL CABLE WRAPS

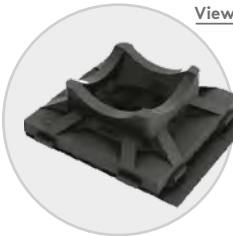
A lightweight and protective black polyethylene wrap, which provides cost-effective hose and cable protection. Crush resistant, flexible and easy to install. Protects against wear without restricting flexibility.



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### EXPANDABLE BRAIDED CABLE SLEEVES

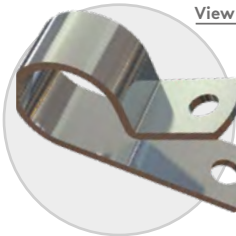
These sleeves fit a range of diameter cables and protect against abrasion in application.



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### ADHESIVE MOUNT CABLE TIE HOLDER

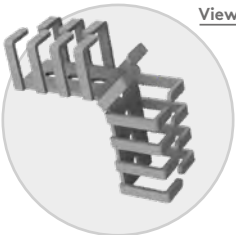
Versatile mounting options. Comes supplied with adhesive and also allows screw fixing. Available in fixed four-way cable-tie installation direction or swivel base holder. UL94 V-2.



[View online](#)

### P STYLE CABLE CLAMP

Quickly secure wires and cables in place, and provide an easily serviceable solution. Available in nylon UL94 V-2 and V-0, as well as aluminum and steel with vinyl or rubber coating for extra protection and insulation.



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### CABLE DUCT

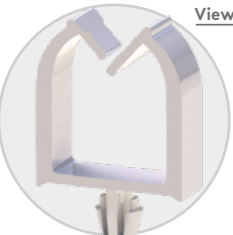
Both adhesive and screw-mounting options available. The ribbed design allows for wires to break out when necessary. UL94 V-2.



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### CABLE AND HOSE PROTECTION QUICK ASSEMBLY SLEEVES

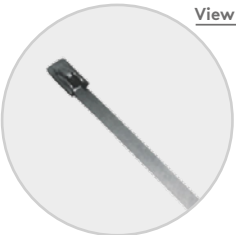
Easy to assemble or remove with hook and loop design closure, which promotes a quick and easy bundling of cable and hose groups.



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### PUSH-FIT WIRE SADDLE

Routes cables within electrical applications to keep components uncluttered and easily accessible for further assembly or repair. Manufactured with material rated UL94 V-0.



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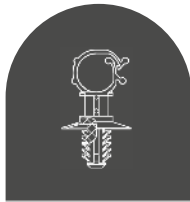
### METAL CABLE TIES

Self-locking and easily installed by hand. Resistant to extreme temperatures, they offer great strength and durability. Available in 304 or 316 stainless steel. UL E309388.

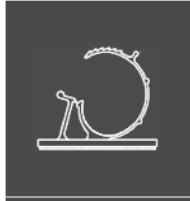


## CHOOSING THE RIGHT CABLE CLAMP

Choosing the correct cable clamp will ensure a clean, easy-to-manage cable installation. Here are some simple guidelines to get you started.



Cables raised off the panel-board surface: **STANDOFF CLAMP**



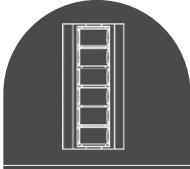
Ability to adjust for cabling changes: **ADJUSTABLE ADHESIVE DIAMETER CLAMP**



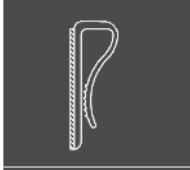
Quick and simple installation on flat, dry surfaces: **ADHESIVE-BACKED CLAMPS, D-STYLE**



Push-in-place installation for pre-drilled or non-predrilled applications: **ROUND CABLE CLAMPS, PLUG IN**



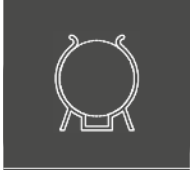
Run multiple cables or cable bundles in parallel: **MULTI-CABLE CLAMPS, SCREW-MOUNT CABLE GRIPS**



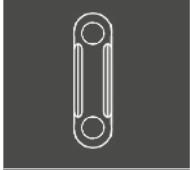
Run ribbon cables for computers and other applications: **FLAT CABLE CLAMP, ADHESIVE-MOUNT, TENSION**



Hose protection, vibration absorption and electrical insulation: **STEEL CABLE CLAMPS WITH RUBBER CUSHION**



Prevent cables from shifting and/or tipping: **U-SHAPED CLAMP, SCREW MOUNT**



Add support for strain relief: **STRAIN RELIEF CLAMP**



Route cable bundles in limited space: **HALF U SNAP-IN CABLE CLAMPS**

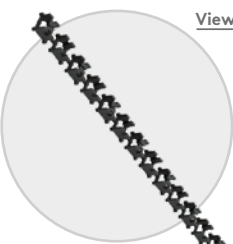


# FIBER OPTIC CABLE MANAGEMENT

To maximize network performance and minimize cost of maintenance, a good fiber-cable management solution must be in place. Our solutions will help with your key design priorities, including bend radius reduction, well-defined and organised cable routing paths and easy access to installed optical fibers.



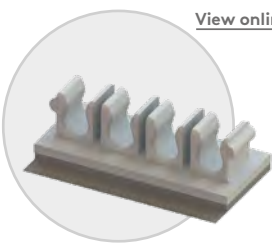
## FIBER OPTIC CABLE MANGEMENT



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### FLEXIBLE FIBER GUIDES

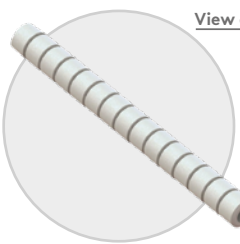
Fully modular, flexible system giving complete management and protection. Unique spine allows the guide to be oriented in all planes. Fiber can enter and exit at any point, without risk of fiber snagging or kinking. Can be cut to various lengths at flexible link sections.



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### SPLICE HOLDERS & FIBER CLIPS

Available in a variety of slot-and mounting-method configurations and can hold up to 24 splice connections.



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### FIBER BEND LIMITING TUBING

Optical fiber bend limiting tubing offers the ultimate protection to fibers, eliminating problems such as crushing, kinking and micro bending while supplying an entire self-managing solution for routing the fiber.



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### FIBER SPLICE TRAYS – SYSTEM, KIT

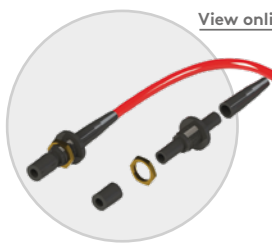
Ideal for eliminating the potential hazard of macro and micro bends, which can occur during the mishandling of optical fibers. The trays are stackable to any number and inter-tray fiber routing is possible. They can be used with splice holders, splice protectors and bend limiting tubing.



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### OPTIC FIBER BEND LIMITING CLIPS

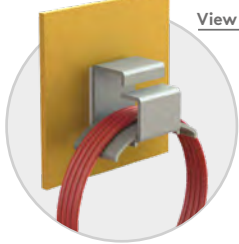
Available in three different types to provide protection from breaks and kinks in any application.



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### FIBER STRAIN RELIEF GLAND

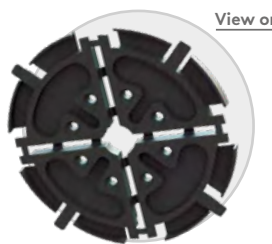
Extra protection for jacketed and bare fiber while routed through holes.



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### FIBER BRACKET – COILING CLIP

Made of two extruded clips that snap into each other to form a clip with a smooth, curved surface to accommodate fiber-optic bundles.



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### FIBER REELS

The fiber-management range supports many low-profile fiber reels for spooling excess fiber onto a PCB board. Some reels can be broken apart to form a controlled bend around a 90° or 180° turn.



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### SPIRAL CABLE WRAPS

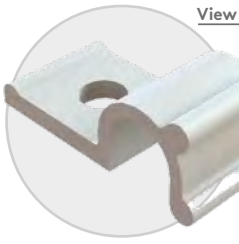
A lightweight and protective black polyethylene wrap, which provides cost-effective hose and cable protection. Crush resistant, flexible and easy to install. Protects against wear without restricting flexibility.



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### FIBER GUIDES

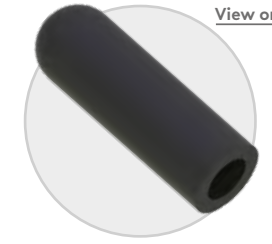
Our range offers stacking pillars and standoffs which can be used to stack multiple reels for compact spooling of multiple runs of fiber. Fiber guides are used to assist with reeling and corner guides maintain a bending radius through a 90° turn.



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### SCREW MOUNT U CLIPS

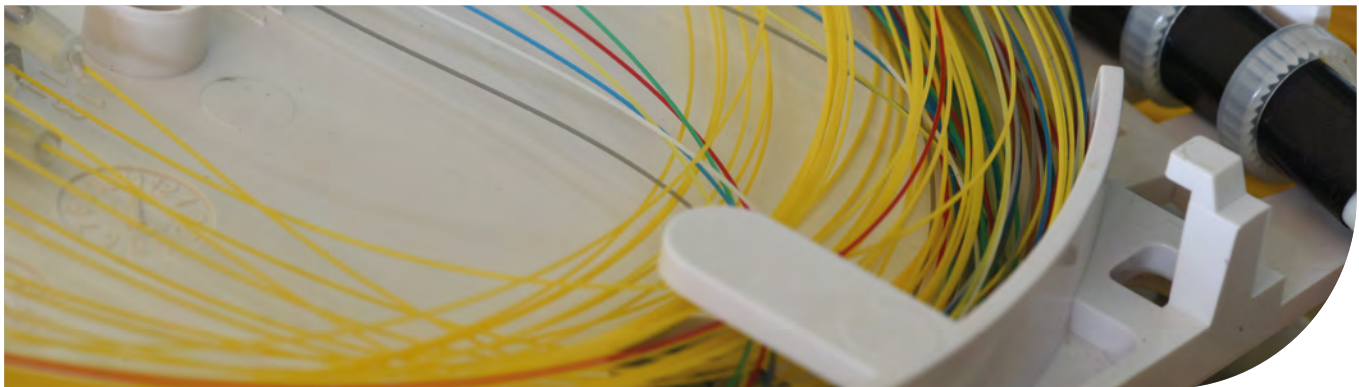
Screw mount design with a wide base offers superior vibration resistance for routing fiber optic cables, wraps, or tubing. Used in heavy duty applications, or applications where routing location is critical due to tight space requirements.



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### CONNECTOR ADAPTER DUST CAPS

These dust caps provide environmental protection for SMA, ST, and FC connector adapters. They ensure the lenses and connections are free from debris to prevent issues during field installation. Made from flexible PVC to provide a snug fit while still being easily removed by hand.



## IMPORTANCE OF GOOD CABLE MANAGEMENT

KEEPS CABLES  
IN GOOD  
WORKING ORDER



!  
AVOIDS:

DAMAGE, DOWNTIME  
AND SAFETY ISSUES



ENHANCES SYSTEM  
PERFORMANCE



!  
AVOIDS:

SIGNAL  
INTERFERENCE



MAKES  
MAINTENANCE OR  
UPGRADES EASIER



!  
AVOIDS:

COSTLY,  
TIME-CONSUMING  
WORK NEEDED



# PCB HARDWARE

When it comes to circuit board hardware, material and mounting type are key. Our PCB and electronics hardware range offers an extensive array of key solutions.

## CARD GUIDES & PULLERS

Our card guides and pullers are easy to use and provide protection from undue stress for damage-free insertions and extractions of PCBs, components and connectors.



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### HORIZONTAL CARD GUIDES

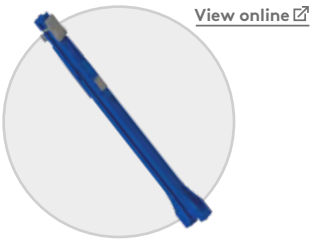
Available in nylon 6/6, allow for maximum PCB retention, and accepts PCB thicknesses of 1/16", 3/32" and 1/8". Rated UL94 V-0.



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### PCB CARD PULLERS

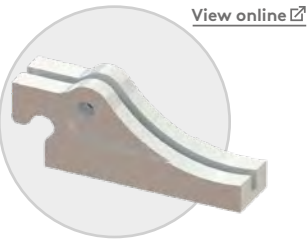
Attaches to a PCB to help pull it out and push it back into position. Curved tab for fingertip grip. Nylon 6/6 and rated UL94 V-2.



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### VERTICAL CARD GUIDE

Snap-in locking tabs hold boards in place more securely. Tension guides with double channel enable side-by-side mounting. Nylon 6/6 and rated UL94 V-2.



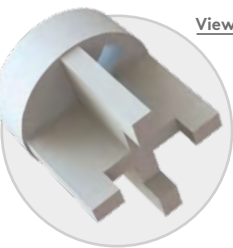
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### PCB CARD INSERTERS & EXTRACTORS

Fitted to PCBs to aid removal of the card from a restricted space so the technician can pull the board without touching any of the circuitry. Level action ejectors aid card insertion and extraction.

## LED MOUNTING HARDWARE

LED components, such as LED spacer mounts, position and restrict movement of your LED lights. LED spacers raise the LED from the board surface and provide more stability, rigidity and height conformity. This rigidity and stability make the manufacturing process easier. They're also vital when the board is serviced or when the PCB or other parts need repairs.



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### LED SPACERS

Available in two styles to fit both a T-1 and T-1 3/4 LED. They space the LED from the surface of the board. They also minimize shifting and height variation, ensuring product uniformity and production ease.



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### LED LENS COVERS

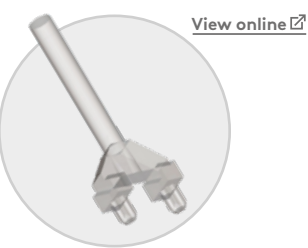
Secures a T-1 3/4 LED to a panel. It is easily snapped into standard panel holes by hand. Once the holder is snapped into the hole, the LED will lock into place when inserted from the rear of the panel. It provides a secure and attractive display.



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### LED MOUNTS

Allow LEDs to be mounted vertically or at a 90° angle. They can be mounted easily by hand. Two styles that accommodate both T-1 and T-1 3/4 LEDs.



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### LED LIGHT PIPES

Transport the light to the desired area, making it crystal clear. Made in clear polycarbonate. Available with either a flat or domed front shape and provide ESD protection by isolating the PCB from potential contact.

## PCB SPACERS & STANDOFFS

PCB standoffs and spacers help maintain space and positioning of components within your PCB. Our offer includes both hexagonal and round standoffs and spacers, and is available in a variety of different metals and thermoplastics to fit your project's design and requirements.



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### INSULATION STANDOFFS

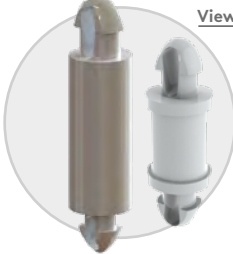
Suitable for a wide range of application and are ideal for use when high-mechanical strength is required, providing sturdy, insulated spacing for high-powered electronic applications. Both insulating and non-insulating options are available. Rated UL94 V-2. Do not require assembly equipment and can easily be installed by hand.



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### UNTHREADED NYLON SPACERS

Made from PA, or nylon, offering physical spacing for your assemblies, as well as providing thermal and electrical insulation between components. Glass-filled PA is also available for applications where higher-maximum service temperatures and improved strength and stiffness are required.



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### DUAL LOCKING SUPPORT PILLARS

These spacers lock at both ends. Available in different locking options for both ends and in different body types, making them suitable for a range of needs.



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### SELF-ADHESIVE PCB SUPPORT PILLARS – NON-LOCKING

Double-sided adhesive tape and release tab enable quick installation and removal. Three options for PCB mounting: snap locking, non-locking and flat rest.

## MOUNTING TYPES

|                                                          |                                                                                           |                                                                         |                                                            |                                                                     |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|
| <b>SNAP FIT</b><br><br>Pushes into place for secure hold | <b>THREADED</b><br><br>Holds in position with standard, undercut and self-tapping options | <b>SNAP LOCK</b><br><br>Pushes into place for secure but releasable fix | <b>BLIND HOLE</b><br><br>Fins hold securely to blind holes | <b>ADHESIVE BASE</b><br><br>Adhesive tape backing for a strong hold |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|

## KEY CONSIDERATIONS - TYPE OF PCB SUBSTRATE

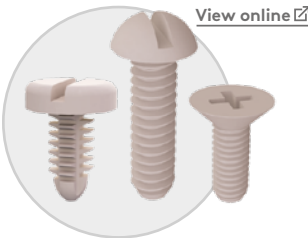
|                                                                                                                                                      |                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>FLEXIBLE MATERIAL</b><br>IDEAL: <b>Snap-in</b> or <b>Snap-fit</b> components                                                                      | <b>RIGID MATERIAL</b><br>IDEAL: <b>Push spacer</b> for support, without penetrating board   |
| <b>CONDUCTIVE OR NON-CONDUCTIVE?</b><br>MAINTAIN a circuit: choose <b>METAL</b> components<br>AVOID short circuits: choose <b>PLASTIC</b> components | <b>SPACE LIMITATIONS – STACKING PCBs</b><br>IDEAL: <b>Wing</b> or <b>arrowhead</b> supports |



# PCB HARDWARE

## FASTENERS & FIXINGS

Our fasteners are designed to work for just about every application.



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### MACHINE SCREWS

All common screw headstyles available in both metric and imperial threads, in a wide range of standard lengths. Widely available in Nylon UL94 V-2, with some sizes also available in PC, PEEK, and GFPU.



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### PUSH-IN RIVETS – SNAP

Our most popular and easiest to install plastic rivets. Simply push the head in and the grommet expands to hold it in place. Available in both black and white. Heat-stabilized material also available. Rated UL94 V-2 or UL94 V-0.



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### SCREW-IN RIVETS

Quick-release fasteners, suitable for security panels and components that need to be replaced quickly. Easily tightened and loosened using a cross-head screw driver.



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### HEX NUTS – PLASTIC

Made from natural nylon. Used in applications where the nut is required to be electrically, chemically and thermally resistant.



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### RETAINING WASHERS

The anti-loss lip is suitable for pre-assembly. Provides sealing capabilities. Resistant to corrosion and many chemicals.



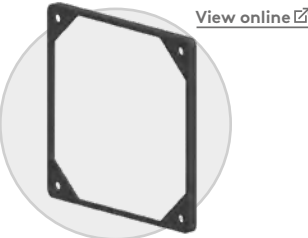
[View online](#)

### CAP NUTS - PLASTIC

Protect external thread from damage, while also insulating and providing a finished appearance. Available in locking threads for applications that require more torque.

## PCB FAN ACCESSORIES

Fans are your best option for your PCB's heat management. To enhance your fan's safety and efficiency, you'll need the right parts.



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### FAN GASKETS

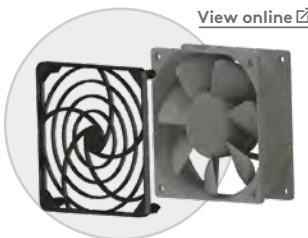
Silicone rubber material provides a tight seal while reducing transmission of noise and vibration. Prevents air leaks.



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### FAN FILTERS

Prevent dust ingress and debris falling into the fan blades, causing accidental obstruction.



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### FAN GUARDS

Protect against the fan's moving parts while blocking debris from falling into the fan blades and causing obstruction. Rated UL94-V0.



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### FAN RIVETS

Designed to mount fans, eliminating the need for a screw-nut combination. Prongs expand to hold securely. Single-operation mounting saves time and money.



# PROTECTION

Our extensive range of caps and plugs ensure maximum protection across many applications and environments to ensure your products remain operational.

## HIGH TEMPERATURE MASKING

High-Temperature masking solutions to protect areas or components from exposure to paint or powder coating during your finishing processes.



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### MASKING STRAIGHT CAPS

Typically used to mask studs and tube ends. They have excellent sealing capabilities due to the flexible material that they are manufactured from.



[View online](#)

### MASKING FLANGELESS PLUGS

Designed to mask holes without masking the surrounding surface area. Tapered design allows multiple hole diameters to be protected. Ergonomically friendly profile has a pull-tab for easy installation and removal.



## CAPS AND PLUGS

Our caps and plugs are made from a variety of materials to offer a versatile and durable solution for multiple applications throughout manufacturing, masking, storage, shipping and end-use.



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### TAPERED CAPS AND PLUGS

Designed to allow the part to plug multiple inner diameters or cap multiple outside diameters.



[View online](#)

### ROUND VINYL END CAPS

Versatile accessory that provides a clean and finished look to the ends of various cylindrical objects. Offers protection, durability and is resistant to impact, abrasion, and weathering.



# STOCK2SHIP

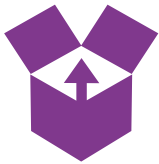
— By Essentra —

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

- 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**





**FREE SAMPLES AVAILABLE**  
TRY BEFORE YOU BUY WITH  
OUR **FREE SAMPLES PROGRAM**



**FREE CAD** DOWNLOADS



**65,000+** PRODUCTS



**SAME DAY** SHIPPING

## MANUFACTURING AND WAREHOUSE LOCATIONS

**M** Manufacturing  
**W** Warehouse

Erie, PA **M**  
Flippin, AR **M**  
Cartago, CR **M**  
Monterrey, MX **M W**  
Jaguariuna, BR **M W**

Louisville, KY **W**  
Houston, TX **W**  
Nisku, CA **W**  
Burlington, CA **W**



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