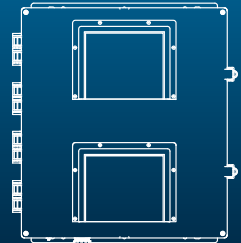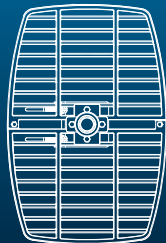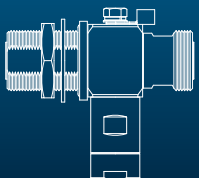# L-com™
**an INFINITe brand**

# WIRED AND WIRELESS CONNECTIVITY
## PRODUCT GUIDE

AVAILABLE FOR SAME-DAY SHIPPING

# GLOBAL LEADER IN CONNECTIVITY SOLUTIONS

L-com is a value-added supplier of high-quality connectivity solutions to global markets. We provide highly personalized customer service and technical support, complemented by a vast product inventory for off-the-shelf availability and a commitment to same-day shipments.

Our custom solutions are also available within our wired and wireless connectivity product platforms, with short lead times to meet the needs of each customer. Custom capabilities include fiber optic, coaxial and Ethernet cable assemblies capabilities, as well as adapters, antennas, weatherproof NEMA enclosures and more.

We make it easy and fast to source the products you need through the L-com website, or call us directly. Order today and meet your project needs by tomorrow with a broad array of in-stock products.

## Custom Assembly Capabilities

- Consistent, quality products that meet or exceed specifications and match exact product feature needs
- Unrivaled technical knowledge and support, with expert application assistance available
- Lower minimum order quantities for custom products

## Value-Added Services

- Strong inventory position
- Same-day shipping
- Personalized service and technical support
- Robust e-commerce website for easy ordering

## Products and Solutions for Every Need, When You Need Them

- Vast inventory of over 30,000 in-stock catalog products
- Expert technical and application support
- Modifiable, custom-designed or prototype components
- ISO 9001:2015, and GSA Registered
- Award-winning customer service
- Quick response to quotes, designs, prototypes and custom order requests
- Tutorials, product drawings, technical information and more

L-COM IS THE PREMIER SOURCE FOR THE CONNECTIVITY SOLUTIONS YOU NEED, **WHEN YOU NEED THEM**.

**SAME-DAY SHIPPING**

**CUSTOM CAPABILITIES**

**GLOBAL CONNECTIVITY**

# Audio/Video Connectors and Assemblies



L-com's audio and video products include thousands of popular audio and video cables, connectors and adapters, with the ability to adapt components and products for customer-specific cable designs. Audio and video cable interfaces include: HDMI, mini HDMI, VGA, SVGA, DVI, DisplayPort, mini-DIN, 3.5mm audio, 75 Ohm coax, and RCA. L-com guarantees fast turnaround on custom and low-volume configurations.

- **L-com exclusive:** 90º & 45º HDMI, DVI, and BNC connectors for easy access and saving space
- L-com color-coded cable assemblies indicate pin locations for each color wire
- IP67 shielded waterproof cable assemblies
- SVGA cables provide 360º shielding for superior video performance
- Ultra Thin SVGA series saves 2 inches over standard SVGA for tight fitting spaces

# D-Sub Assemblies and Connectors



L-com's extensive product offering features popular data cables, null modem cables, D-Sub connectors, high-density cables and more. Hard-to-find items include double shielded cables, armored, IP67, panel-mount and low smoke zero halogen (LSZH) jacketed cables are in stock for same-day shipping. Custom low- and high-volume D-Sub cable configuration requests.

- **L-com exclusive:** Low-profile right angle D-Sub adapters
- CS2 cable series features double-shielded cable (braid + foil) for maximum EMI protection and steel box terminal cover that provides 100% shielding
- High-density and standard D-Sub gender changers available
- Right angle and 45° angle cable options in stock
- Waterproof IP67, armored and LSZH cables available off-the-shelf
- DB9, DB15, DB25, HD15 field termination connector options
- Waterproof IP67 connectors and back shell kits
- Wide range of D-Sub crimp and solder connectors and covers

# USB Assemblies, Adapters and Connectors



Each L-com USB cable and adapter is functionally tested to provide the highest performance at competitive prices. L-com offers an extensive array of USB 2.0, 3.0 & 3.1 products for communications, entertainment, medical, military, commercial and automotive applications. Fast turnaround on requests for custom and low-volume USB cable configurations are welcome.

- **L-com exclusive:** ECF couplers and cables provide many connector combination options that fit any panel thickness for mounted or lock-down applications
- IP67 shielded waterproof cable assemblies for outdoor or industrial use
- Machine Vision, armored and high flex assemblies for specialty usage
- USB connectors, connector hoods and connector covers
- Right angle USB connectors for space-saving and cable routing
- Off-the-shelf cable assembly and bulk cable options with power conductors ranging from 20 to 28 AWG
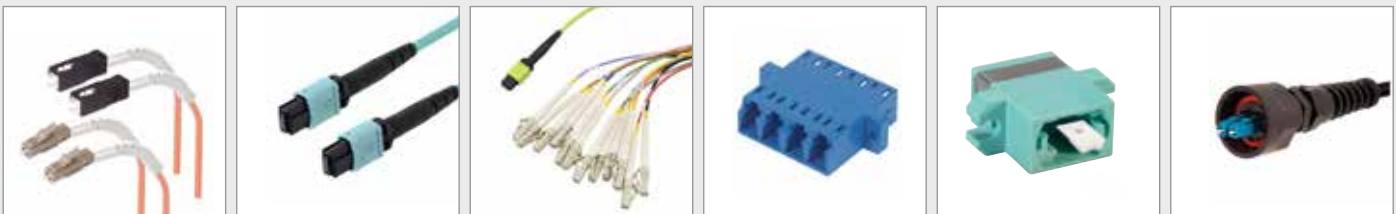
# Coaxial Connectors and Assemblies

L-com offers one of the broadest lines of coaxial cable assemblies in the industry, featuring 50 ohm, 75 ohm and 78 ohm. These configurations are ideal for use in wireless systems including GPS applications, video systems, telecommunication systems and infrastructure, as well as WISP, WAN and LAN networks. Fast turnaround for custom and low-volume coaxial cable configurations are a specialty.

- Large offering of angular/space-saving products
- Wide variety of coaxial connector types: UHF, Mini-UHF, SMB, BNC, MCX, SMC, TNC, N, SMA, QMA
- Standard and reverse polarity connectors and assemblies
- Cable types include: Standard and hi-temp RG Series, plenum-rated, digital grade, standard and ultra-flex low loss
- High performance flexible, semi-rigid and formable cable assemblies

# Fiber Optic Connectors and Assemblies

L-com offers a full line of fiber optic cable assemblies including patch cables, breakouts and conversion harnesses. These products are ideal for use in the telecom/datacom, CATV, test equipment, medical, military and aerospace markets.

- Cable assemblies featuring Riser Rated (OFNR) & Low Smoke Zero Halogen (LSZH) jackets for low toxicity and corrosion
- Single mode, multimode fiber types, as well as plastic optical fiber (POF)
  - Multimode available in OM1;OM2;OM3;OM4; or OM5 grades
- Cables, couplers, and connectors in LC, SC, ST, FC, and MPO
- Legacy connector types such as SMA, MTRJ, and MU
- IP67 shielded waterproof cable assemblies, couplers and connectors

# Ethernet Assemblies, Adapters and Connectors

L-com manufactures one of the most extensive lines of Ethernet products in the industry, including premise wiring, cable assemblies, connectors, and accessories. Our product offering includes Cat 5, Cat 5e, Cat 6, Cat 6a, Cat 7 and Cat 8, with Ethernet crossover cable assemblies, backbone telco cable assemblies, splitters, couplers, adaptors, jacks, wall plates, panels, gender changers, bulk cable and other Ethernet, Profinet and fieldbus network accessories.

- **L-com exclusive:** Patented superior performance right angle Cat 5e & Cat 6 cable assembly designs with shielded, unshielded, PVC and LSZH options available off the shelf
- True to performance Category rated adapters, couplers and keystone jacks including PoE++ rated options
- IP67 & IP68 shielded waterproof cable assemblies
- High flex, continuous motion, armored, industrial, outdoor, M8 and M12 cables for industrial and outdoor usage
- Legacy technologies such as flat silver satin modular and telco cables

# Antennas

With numerous types and configurations available, L-com's antennas operate over a wide range of frequencies and offer a variety of gain specifications, beamwidth coverage, and polarization to meet the requirements for all indoor and outdoor wireless system applications.

- Operating frequency range from 100 MHz to 5.8 GHz
- Largest selection of antenna types which includes omnidirectional, yagi, panel, grid, dish, rubber duck, sector, ceiling, mobile and portable
- Wide range of applications supported including: WLAN, celluar, DAS, land mobile radio (LMR), GPS/GNSS, ISM, LPWAN, public safety, RFID, homeland security
- Superior L-com antenna design outperforms other antennas, especially in harsh environments
- Quick turnaround on custom antenna orders

# Internet of Things (IoT)

To support Internet of Things (IoT) applications, L-com provides a selection of pressure sensors, pressure transmitters, differential pressure sensors and level transmitters that provide wide temperature compensation and long-term stability with years of trouble-free operation in harsh environments.

**Pressure Sensors** – PS781, PS783, PS8808 Series
- Ranges from 0-7 kPa to 0-70 MPa

**Pressure Transmitters** – PT989, PT9503 Series
- Multiple pressure ranges, outputs 4 mA-20 mA, 0-5 V and 0.5-4.5 V

**Differential Pressure Sensors** – PD790, PS783 Series
- Ranges from 0-35 kPa to 0-3.5 MPa; well suited for gas and liquid differential pressure measurement applications

**Level Transmitters** – LT989 Series
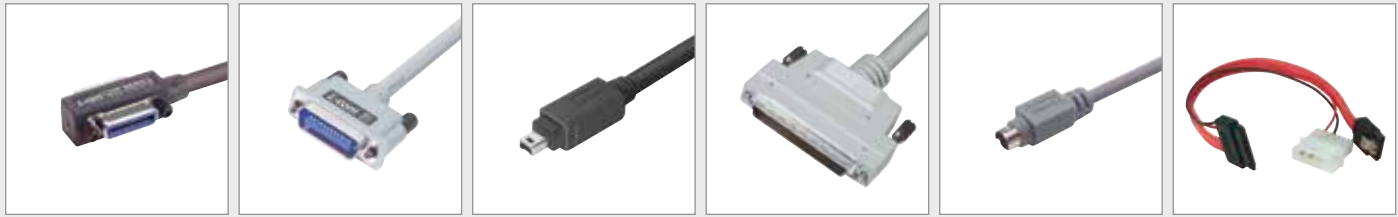- Ranges from 0-5 meter to 0-100 meter, outputs 4 mA-2 mA & 0.5-4.5 V

# Lightning and Surge Protection

L-com has the industry's widest selection of high-quality lightning and surge protectors in stock and available for same-day shipping. Solutions range from coaxial protectors for protection of wireless equipment such as access points to Ethernet data line protectors designed to protect 10/100/1000 Bias T networking equipment such as servers, PoE equipment and IP cameras.

- DC to 6 GHz coaxial protectors
- CAT 5/5e/6/6A Ethernet, PoE/PoE+/PoE++ data line protectors
- 4-20 mA current loop protectors
- RS-422/485/232 protectors
- Telephone/DSL/T1 protectors
- Audio and video protectors
- USB protectors

# IEEE 488/FireWire (IEEE 1394)/DIN & Mini-DIN/SCSI/SATA



With the industry's widest selection of legacy product cable assemblies, L-com serves legacy applications including PC-to-PC peripherals, PC drives, laptop and desktop connections to external storage (such as hard and optical drives), DVD-ROM, CD-ROM, tape and floppy drives, analog audio, mouse connections, MIDI application, and S-video, and others.

- Largest IEEE 488 product selection with four times more part numbers than the competition
- FireWire (IEEE 1394) solutions for Apple/Sony Legacy ("I-Link")
- Largest DIN & mini-DIN selection of exclusive user-friendly products
- Standard EMI SCSI solution
- Standard SCSI assemblies for 1, 2, 3, & 5 interfaces
- SATA assemblies support data transfer rates as high as 3.0 Gb/s

# NEMA Weatherproof Enclosures



L-com offers one of the most comprehensive lines of NEMA-rated weatherproof industrial enclosures. NEMA and weatherproof enclosure products feature plastic ABS, Fiberglass Reinforced Polyester (FRP), Polycarbonate, Stainless Steel and Mild Steel NEMA rated designs, and are available with a wide range of sizes and options including: heat, cooling, venting, AC or DC power, and Power over Ethernet (PoE) interfaces.

- Internal power options that include 120 VAC, 240 VAC, 12 VDC and PoE operation
- DIN rails that provide secure mounting points
- Mounting plate that allows you to securely mount equipment inside the enclosure
- UL listed enclosures available

# Patch Panels and Racks



L-Com patch panels and racks are widely used in telecom and data closets, as well as large data centers. Commercial businesses, government agencies, the military, and many other industries rely on L-com.

L-com's signature line of fully populated 1U & 2U panels complement and support our extensive cabling and connector portfolio.

- Full line of fiber optic, coaxial, RJ45, Cat 5e, Cat 6, data and serial connection interfaces in 1U (1.75") and 2U (3.5") options
- Panels made with cold-rolled steel and finished with a durable black powder coat
- Universal Rack System allows for quick and inexpensive do-it-yourself custom configurations

# EXPERTS IN WIRED & WIRELESS SOLUTIONS

| | |
|---|---|
| ACCESS POINTS | MEDIA CONVERTERS |
| ANTENNAS | PATCH PANELS, RACKS |
| AUDIO / VIDEO | POE PRODUCTS |
| COAXIAL | RF FILTERS / SPLITTERS |
| D-SUBMINIATURE | SATA, ESATA |
| ETHERNET SWITCHES | SCSI |
| FIBER OPTIC | TELECOM / MODULAR |
| FIREWIRE | USB |
| IEEE-488 GPIB | WEATHERPROOF ENCLOSURES |
| LIGHTNING & SURGE PROTECTORS | |

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