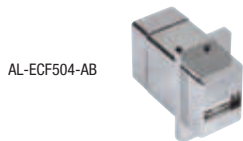
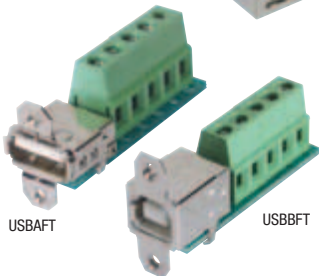
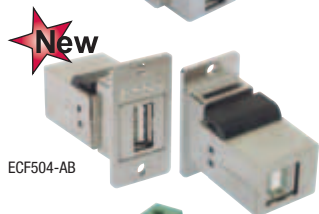
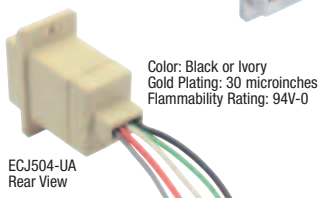


Best Seller
ECF504-UABS



Item #	Description	Color	1-9	10-24	25-99	100-249	250-499
✓RoHS Panel Mounted USB Type Couplers, 30 Microinches Gold							
These couplers are great for connecting USB style connectors into panels, etc. Available in many USB connector combinations with your choice of shielded and unshielded versions. Unshielded is available in Black or Ivory, shielded is Silver. Recommended 4-40 mounting screws must be purchased separately.							
ECF504-UAB	USB Type A - Type B Coupler	Ivory	5.95	5.83	5.59	5.24	4.46
ECF504B-UAB	USB Type A - Type B Coupler	Black	5.95	5.83	5.59	5.24	4.46
ECF504-UABS	USB Type A - Type B Coupler, Shielded	Silver	6.95	6.81	6.53	6.12	5.21
ECF504-UAAS	USB Type A - Type A Coupler, Shielded	Silver	6.95	6.81	6.53	6.12	5.21
ECF504-BAS	USB Type B - Type A Coupler, Shielded	Silver	6.95	6.81	6.53	6.12	5.21
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

✓RoHS USB Type A and B Panel Couplers with 10" Wire Leads, 30 Microinches Gold							
Similar to our ECF504 USB coupler except with wire leads in the rear to connect to equipment. Choose from USB Type A or B jacks in Black or Ivory. Wires are 20 AWG (2 power) and 24 AWG (2 signal) stranded wires with an additional drain to shield. Recommended 4-40 mounting screws must be purchased separately.							
ECJ504-UA	USB Type A Jack, 10" (25.4cm) Leads	Ivory	5.25	5.14	4.93	4.62	3.94
ECJ504-UB	USB Type B Jack, 10" (25.4cm) Leads	Ivory	5.25	5.14	4.93	4.62	3.94
ECJ504B-UA	USB Type A Jack, 10" (25.4cm) Leads	Black	5.25	5.14	4.93	4.62	3.94
ECJ504B-UB	USB Type B Jack, 10" (25.4cm) Leads	Black	5.25	5.14	4.93	4.62	3.94
ECF440	Machine Screws, 4-40 x 5/16", Pkg/100		4.35	4.00	3.65	3.31	2.96

✓RoHS USB Keystone Feed Through Coupler – Type A/B Connectors, Fully Shielded							
Our new shielded USB keystone coupler can be easily installed into typical panels, wall plate openings and enclosures. Connectors are USB A female on the front and USB B female on the back. The stamped metal shell and one piece design provides maximum protection from EMI/RFI. Contact us for aggressive pricing for your larger projects.							
UADKEY-AB	USB Keystone Coupler, Type A Female / Type B Female	Silver	8.95	8.23	7.52	6.80	6.09

✓RoHS Flanged Panel Mounted USB 2.0 Coupler - Type A/B Connectors, Fully Shielded							
This unique product combines L-com's fully shielded keystone coupler, UADKEY-AB, with a solid die-cast metal mounting frame allowing for mounting in virtually any panel thickness. 4-40 machine screws are provided.							
ECF504-AB	USB Keystone Flanged Coupler, Type A Female / Type B Female	Silver	9.95	9.15	8.36	7.56	6.77

✓RoHS USB Type A and B Female Field Termination Connector							
The USB field termination female connectors provide an easy and convenient way to perform field termination for USB applications. USB 2.0 standard A and B connector styles are available. Separate connection points are provided for all 4 positions of the connector plus the ground. Terminal block design with set screws provides reliable electrical connections utilizing no special tools. The terminal block area is clearly marked making proper termination virtually foolproof. Panel mountable using 4-40 screws provided.							
USBAFT	USB Field Termination Connector, Type A Female		6.25	5.88	5.50	5.13	4.75
USBFT	USB Field Termination Connector, Type B Female		6.25	5.88	5.50	5.13	4.75

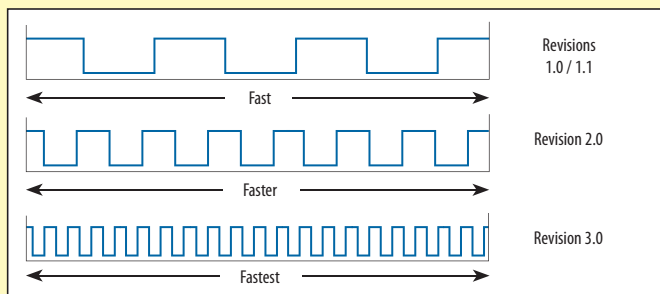
USB Surge/Lightning Protector – Type A/B Connectors, Panel Mountable							
The L-com AL-ECF504-AB USB surge protector is a commercial quality device designed to protect a computer's sensitive USB port from surges and spikes from attached devices. To ensure USB 2.0 speeds, the device uses ultra-low capacitance diodes to protect the data lines. In addition, a protection device clamps the power lines to safe levels. It can be mounted on an enclosure, panel mounted or used in-line as a stand alone product.							
AL-ECF504-AB	USB Surge / Lightning Protector, Type A/B	Silver	15.95	14.99	14.04	13.08	12.12

Tip **USB speeds:**

Revisions 1.0 / 1.1 devices operate at 12Mbps maximum. This is adequate for mice, keyboards and some printers but frustratingly slow for large amounts of data or video.

Revision 2.0 devices operate at 480 Mbps maximum. This is plenty fast enough for mice, keyboards and most printers but can still require long periods of time for large amounts of data or video.

New Revision 3.0 devices operate at 4.8 Gbps maximum, approximately 10 times faster than revision 2.0. The increased bandwidth substantially reduces the time required for transferring large amounts of data or video. For example, an HD movie that requires 14 minutes to download with USB 2.0 devices and cables takes approximately 70 seconds using USB 3.0 equipment.



Backward Compatibility:
USB 2.0 and 1.0/1.1 are fully mechanically compatible.

Type A - 3.0, 2.0 and 1.0/1.1 are mechanically compatible. The 3.0 connector adds additional contacts to achieve the higher speeds.

Type B - 2.0 and 1.0/1.1 connectors are compatible with 3.0 ports but not vice versa. This is due to the extended perimeter of the 3.0 connector.

Micro B - 2.0 and 1.0/1.1 connectors are compatible with 3.0 ports but not vice versa. The 3.0 connector adds an extended portion for the extra contacts.

The weakest link in the chain rule applies to USB systems – speed will be limited to the lowest revision host, cable or device in any given system.

See page 100 for USB connector photos.