

# EDAC INC

Standard Products and  
Custom Engineered Solutions



## PRODUCT CAPABILITIES SELECTION GUIDE

**OUR** engineering team can go from a concept to a completed drawing typically within 24 hours, and we can produce accurate samples in as little as two weeks. Virtually every product Edac makes can be customized into a wide variety of custom styles. Perhaps you need pin headers that are color coded. Or you would like RJ45s with an unusual color combination of LEDs. Maybe you need a pin compliant press-fit connector with a built-in make before break (MBB) capability, to allow for backup systems to activate as a circuit

board is pulled from an active critical system. Perhaps you need a card edge connector that is not listed as one of the 435,000 variations that are available from Edac. Or maybe you are looking for a special PDA cable assembly, a V.35 interface, a laptop docking station connector, or a D-Subminiature with an extra long frame. These items, and many others, have been successfully engineered by Edac and can be found today on some of the most common and advanced products around the world.



**EDAC** Inc has extensive experience and success in the design and engineering of economical interconnect products. For the past twenty-five years our North American offices have been creating custom engineered solutions for a wide variety of applications and a broad base of customers. Today, we combine the advantages of our North American engineering with our Asian-based high-volume manufacturing capability. This combination produces parts that have been manufactured economically but engineered to the strict standards of Europe and North America. This results in products of high quality and low price. We can often produce custom products faster and cheaper than other manufacturers can for their standard products. We will often provide custom solutions to those who cannot get custom product from their traditional suppliers. Edacs' custom engineering capability is well known and well accepted in the electronics marketplace, because we provide cost-effective superior-quality solutions.

**OUR** engineers can visit your site to assist you in determining your needs in complex applications. We can perform the product process from initial design and drawings, through to tooling, dies, molds, stamping, production, assembly, marking, quality control, packing, and shipping.

If you require a high-volume and/or custom solution for an interconnect device, just give Edac a call. Please view the product families in this brochure to see what we do best. All of these families have a range of standard products that are available off-the-shelf through our global distribution network. All of these products can be customized to your needs by our factory network, and delivered to your door anywhere in the world.

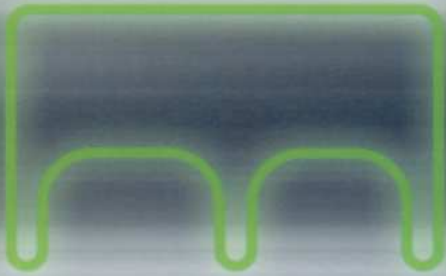
Please visit our website at  
[www.edac.net](http://www.edac.net)



**EDAC** Inc. is committed to providing its customers with products that are of a high quality, are competitively priced, and delivered on time. Our quality control commitment is utilized throughout our operations under ISO 9001. Our internal ISO 9001 team ensures that our quality control standards are followed at all times, and all operations are routinely audited.



**OUR** custom engineered solutions are also subject to our rigorous quality standards and our flexible manufacturing system. Custom products can often be manufactured at a price comparable to a standard product, within a time window that has about the same delivery as a standard product, and with a level of quality that is the same as our standard products.



**EDAC** has an experienced team of quality assurance technicians based in both Asia and North America. These technical teams perform continuous test and measurement of all finished products as they are manufactured. Edacs' quality assurance labs utilize the latest machines to perform these test procedures, and inspection staff are continuously involved in physically inspecting every part. All products manufactured and exported from Asia are tested twice through two separate Edac facilities - one in Taiwan and one in Canada - to ensure that the products meet rigorous North American and European quality standards.

**EDAC's** manufacturing resources include an integrated facility capable of high volume production with precision molding, stamping, plating, and assembly. Quality control extends to our tools, dies and molds. Tool design and maintenance is controlled by Edac, as is all of the dies and molds used to make our products. Our flexible system of connector manufacturing allows us to meet diverse requirements within a sustainable production window. Edac also has additional capacity and quality-approved subcontracting resources readily available through a network of long term manufacturing partnerships that span across the globe.

**EDAC's** extensive customer support system includes dedicated inside sales, free factory samples, highly trained field support, and a global distributor network that can coordinate the timely delivery of Edac products to any factory in any country. Our distributor network can support the sale of custom products by special arrangement. We also work in partnership with many contract manufacturers to ensure that the Edac product that is designed into your assembly is the one that is used by your subcontractor during the mass production process - ensuring that Edac quality extends into your final end product.



## CUSTOM SOLUTIONS



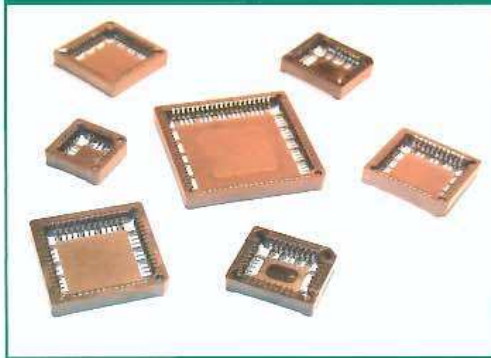
### SERIES E

- Custom products can be manufactured for every product family in this brochure
- Complete North American engineering and design services including custom tooling
- Mid volume production facilities in Canada for smaller runs and prototyping
- High volume production facilities in Asia to manufacture at an economical price
- All products inspected using ISO 9001 standards. Dual inspection for all products exported from Asia
- From concept to samples in as little as two weeks. Drawings provided as quickly as 24 hours
- High volume low cost solutions, including color variations and custom configurations

### SERIES

Custom products can be made for any EDAC series.

## PLCC SOCKETS



### SERIES D

- Industry standard PLCC sockets in standard packaging sizes
- Available in arrays of 20, 28, 32, 44, 52, 68, and 84 contacts
- Contact plating of tin/lead over nickel, gold flash, or gold plated
- SMT contact tails are plated in tin lead and fit the standard PCB footprint
- Packaged in plastic tubes or in standard tape and reel for automated insertion
- UL94V-0 rated polyphenylene sulfide composition
- Low profile style provides for a maximum height on board of 0.183 inches (4.65mm)

### SERIES

D00: PLCC sockets

## USB & FIREWIRE



### SERIES 690

- USB And IEEE 1394 FireWire products available in single or ganged styles
- Right angle mount parallel with board, vertical mount perpendicular to board
- Contacts are gold flash or gold plated (USB), gold plated on 1394 (to meet IEEE specification)
- USB Type A available in stacked right angle versions
- Terminates with thru-hole PCB, SMT, or a variety of cable styles (with crimp pins)
- Type I, Type II and Type V crimp contacts available for cable variations
- Complete overmolded cable assemblies available in various lengths

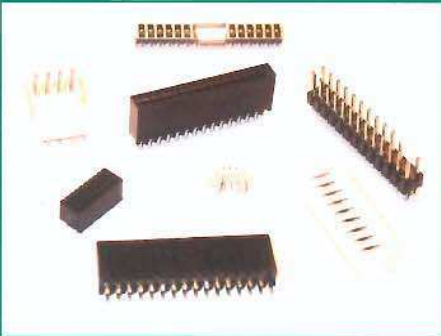
### SERIES

690: USB for PCB  
691: USB for cable  
692: Mini USB  
693: FireWire



# Main leader in standard, cus

## PIN HEADERS



### SERIES 150

- Industry standard pin headers and sockets in a variety of spacing, colors and styles
- Thru-hole PCB in vertical or right angle mount, or SMT vertical, or cable type with crimp contacts
- Contact plating is tin/lead over nickel, gold flash or gold plate
- Headers available with various pin heights and board depths, with square posts or round pins
- Packaged loose in boxes or on tape and reel for automated insertion
- Optional shrouds available with locking or non-locking mechanisms
- Wide variety of customization, including color variations and precise pin lengths

### SERIES

151: Pin headers 0.100 spacing  
151: Pin sockets 0.100 spacing  
153: Pin headers 0.050 spacing  
153: Pin sockets 0.050 spacing  
156: Pin headers 0.156 spacing  
156: Pin sockets 0.156 spacing

## RJ45 / TELECOM



### SERIES A

- RJ45 single or stacked units with or without LEDs, with shielding and mounting options
- Right angle mount or vertical mount in thru-hole PCB; some styles available in SMT
- Gold flash or gold plated contacts, including high thickness gold plating for telecom
- Shielded front ground, shielded rear ground, unshielded, or face shielded versions
- Up to 12 ports ganged single row or 24 ports stacked as a dual row
- Optional pair of LEDs in mixed combinations of green, orange, red, or yellow on receptacle face including bi-color variations
- Low or high profile types, keyed or unkeyed, with or without mounting flange

### SERIES

A00: RJ45 Receptacles, no LEDs  
A10: RJ45 Plugs  
A20: RJ45 Receptacles with LEDs

## STANDARD D-SUB



### SERIES 600

- D Subminiature connectors in standard, video, half pitch and high density formats
- Wide variety of footprints in vertical or right angle thru-hole PCB styles
- Gold flash or gold plated contact surfaces. Machined contact versions available
- Metal shells provide EMI and RFI shielding. Plastic/metal or all-metal versions available
- From 9 to 50 pins (std), 15 to 78 pins (Hi-D), 26 to 100 pins (Halfpitch), or 29 pin (DVI)
- Dual port stacked right angle connectors available, with matched or mixed connectors
- Digital Video (DVI) Half Pitch (050) and VESA/VGA styles available (series B10)

### SERIES

621: right angle 0.318 footprint  
623: right angle 0.200 footprint  
625: right angle 0.590 footprint  
627: vertical standard spacing  
629: right angle 0.370 footprint  
631: right angle high density 0.125  
633: right angle high density 0.350  
637: vertical high density spacing  
661: dual stacked units



# om, variant, and semi-custo

## CABLES ADAPTERS



### SERIES C

- ❑ Cable assemblies for data and signal processing, and adaptors for intermating connections
- ❑ Standard lengths from 1 to 10 meters or 3 to 30 feet
- ❑ Breakout cables for multiple terminations
- ❑ Adaptors for DVI digital to VGA analog conversion
- ❑ USB cables in standard printer/device format (A to B) and alternates (A to A, B to B)
- ❑ Mini USB, Mini DIN, RJ45, RJ11, and other computer cables available in bulk
- ❑ Virtually any cable manufactured to mate with Edac connectors can be made

### SERIES

628: DVI Adaptors  
628: USB cables  
C28: All other cables

## WATERPROOF



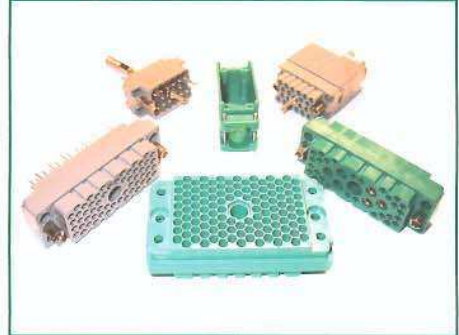
### SERIES 560

- ❑ Field serviceable inline waterproof connectors for industrial automation applications
- ❑ Installable crimped inline contacts or factory PCB contacts
- ❑ Three groups of connector styles (2 amp, 10 amp, or 15 amp)
- ❑ Crimp contacts can be ordered pre-wired or separately on carrier strip
- ❑ From 2 to 9 pins (series 566), 1 to 3 pins (series 570), or single contact only (series 568)
- ❑ Approved to grade 4 per JIS C 0920-1993 standards; tested to grade 7
- ❑ Hand tools available for crimping and removing terminals, or use an automated crimp machine

### SERIES

566: 2 amp; 2, 3, 5 or 9 contacts  
568: 15 amp single contact only  
570: 10 amp 1, 2 or 3 contacts

## RACK & PANEL



### SERIES 500

- ❑ Industry standard rack and panel connectors with high reliability contacts
- ❑ Hermaphroditic contacts provide extremely reliable connection
- ❑ Gold over nickel contact plating in thru-hole PCB, wirewrap, crimp or solder hole styles
- ❑ Crimp contacts can be ordered pre-installed, or separately in bulk or on reel for automated insertion
- ❑ From 20 to 120 pins, with actuator, polarizing and locknut options
- ❑ Plastic and metal hoods available with cable clamps to house any cable termination
- ❑ Broadcast series available with combined coaxial and standard contact format

### SERIES

516: standard  
521: broadcast  
521: coaxial  
556: Edacon Inline



# m interconnect solutions.

## CARD EDGE



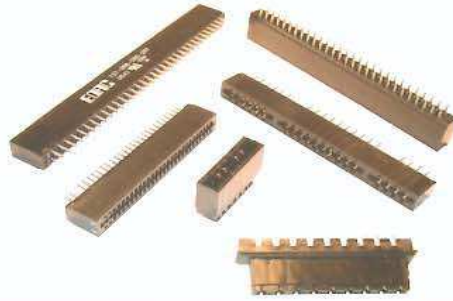
### SERIES 300

- Card edge connectors available in 8,000 standard styles and 435,000 custom variations.
- Contact spacings of 0.050, 0.100, 0.125, 0.150, 0.156, and 0.200.
- Gold on contact mating area or gold over nickel contact plating.
- PCB thru-hole, wirewrap, solder eyelet, extended tail, and other specialized contact options.
- From 2 to 188 contacts in single, bridged, and dual rows with or without card supports.
- Styles for many computer standards including the latest versions plus PCI, EISA, and ISA.
- Most series are also available in 250 degree C high temperature variations (Series 800).

### SERIES

301: PCI 0.050x4 rows of 0.100  
302: MCA 0.050x4 rows of 0.100  
305: 0.156x0.140 (black=355)  
306: 0.156 1 Row (black=356)  
307: 0.156x0.200 (black=357)  
322: 0.156x0.200 with guides  
341: 0.100x0.140 (black=391)  
345: 0.100x0.200 (black=395)  
346 0.125x0.250 (black=396)

## PRESS FIT/MBB



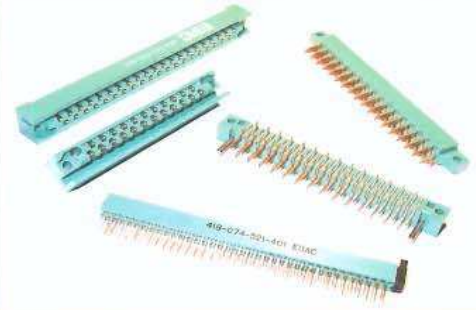
### SERIES 700

- Pin compliant ultra-mate press fit technology with MBB hot swap capability
- Solderless field serviceable board contacts in 0.10, 0.125 and 0.156 spacing
- Gold-over-nickel plated contacts with nickel underlay, in PCB thru-hole or wirewrap terminations
- Optional MBB technology allows for hot swapping circuit boards using make-before-break contacts
- From 5 to 150 pins (0.100), 5 to 120 pins (0.125) or 5 to 86 pins (0.156)
- Unique compliant pin design allows for low insertion force and no damage to boards
- Also available in a press fit telecom ribbon connector style (Series B57)

### SERIES

737: 0.156x0.200  
745: 0.100x0.200  
746: 0.125x0.250  
B57: Telco Ribbon  
410: Press fit stackable

## METAL TO METAL



### SERIES 400

- High reliability two-piece metal to metal connectors with interlocking pins
- Hermaphroditic contacts provide extremely reliable connection
- Gold over nickel contacts in PCB thru-hole, wirewrap, crimp, fork or solder eyelet styles
- Staggered grid, vertical, and right angle styles
- From 2 to 152 pins (0.100 x 0.100) or 17 to 47 pins (0.200 x 0.300 and 0.200 x 0.125)
- Mounting hole and card guide pin options available for maximum mating reliability
- Contacts on removable carrier strip (no insulator) are also available in 0.100 and 0.200 spacing

### SERIES

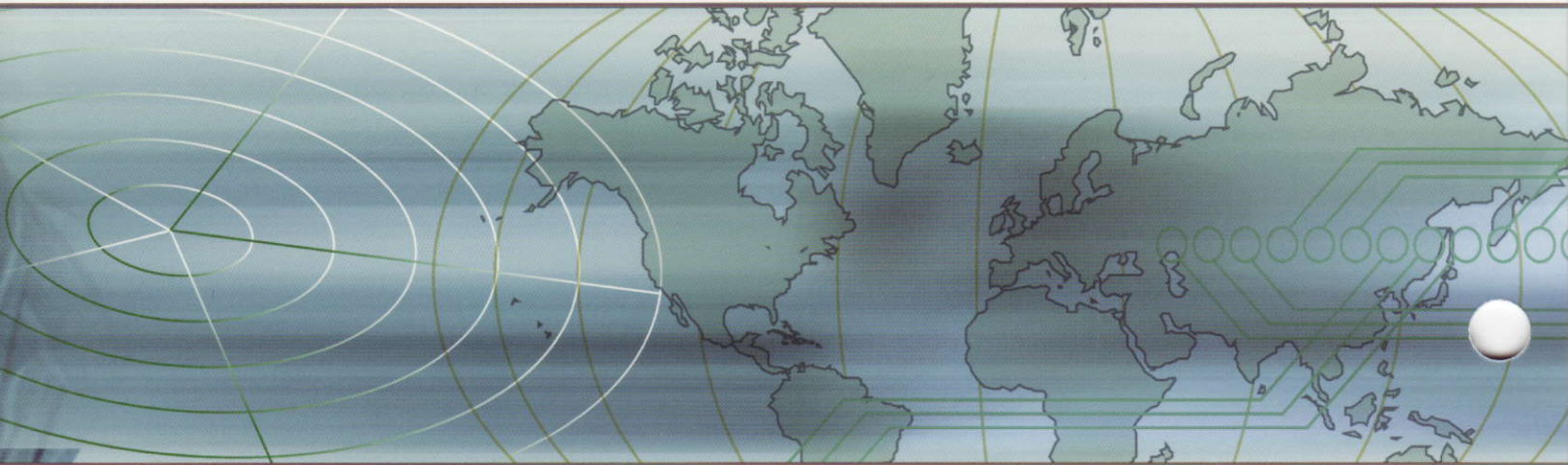
421: with standard mounts  
422: no mounts  
423: mounts per MIL-C-21097  
424: open slot design

## The Americas

227 Idema Road  
Markham  
Ontario  
L3R 1B1  
Canada  
Phone: 416-754-3322  
Fax: 416-754-3299

## Europe

2 Centurion Court  
Brick Close, Kiln Farm  
Milton Keynes  
MK11 3J8  
United Kingdom  
Phone: +44-0-1908-569333  
Fax: +44-0-1908-569444



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