

J-Tech

A CONESYS COMPANY

J-Tech Product Capabilities Brochure



MILITARY



AEROSPACE



TRANSPORTATION



GEOPHYSICAL



INDUSTRIAL



With roots dating back to 1983, Conesys Inc. is focused on the Design and Manufacturing of Quality Interconnect Products. We are an ISO 9001 and AS9100- Certified vertically integrated manufacturer of Circular and Rectangular Connectors for the Military, Industrial, Transportation and Commercial Markets.

Our companies Design, Manufacture and supply High Performance, EMI Filter & Transient Devices, Copper & High Frequency Interconnect Systems, Hermetically Sealed, PCB, RF and Application – Specific Interconnects to a wide range of Military, Aerospace, Commercial Aviation, Heavy Equipment, Rail & Mass Transit, Geophysical and Machine Automation sectors.

We are committed to being a Global Interconnect Organization. Servicing our Customers throughout

the America's and Asia from our headquarters in Torrance, California, serving the needs of our European, African and Middle East Customers from our Conesys Europe facility in Toulouse, France and serving the local market in China from our Conesys Asia Ltd. facility in Beijing China.

Conesys Inc. combines excellent financial strength with the flexibility and responsiveness of an entrepreneurial firm to supply our valued Customers Quality Products, Cost-efficiency and On-Time Delivery, while meeting a full range of your requirements from Standard Applications to Customized Solutions Engineering.

Our Mission is to be a World-Class supplier of Electronic Connector Products through Customer Satisfaction, Quality, Innovation and Leading-Edge Technology.



**Conesys
World Headquarters**



Aero-Electric Connector
*A High Volume, Mil Spec
Connector Manufacturer*



Aero Industrial Products
*Manufacturer of Connectors
and Cable Assemblies for the
industrial marketplace*



J-Tech & EMP
*Manufacturers of Custom
Connectors, fiber optic
assemblies, and filter connectors*



Conesys Europe
*Sales, Engineering, and
Connector Assembly of MIL Spec,
Hermetic, and custom connectors,
supporting
International Customers*



ATI Interco
*Sales and Engineering for
Printed Circuit Board and
Custom Connectors, Backshells
and Cabling Components*



MIL-DTL-5015 Front Release

J-Tech is one of only 2 sources for MIL-DTL-5015 Front Release product (MS340x). This product is widely used on military shipboard and ground applications. Crimp contacts only.



MIL-DTL-5015 Rear Release

J-Tech is a qualified source for MIL-DTL-5015 Rear Release product (MS345x). This product is used on military shipboard, ground, and aircraft applications. Crimp contacts only.



MIL-DTL-83723 Series III

J-Tech is qualified to make M83723 Series III connectors. This product is widely used in both military and commercial aircraft applications, along with many other types of military and aerospace programs.



MIL-DTL-83723 Series III Lanyards

M83723/66, /67, /68, and /69 are all quick disconnect plugs, with or without the lanyard rope to disengage the plug from the receptacle. These plugs can mate to any M83723 threaded receptacle when a M83723/70 adapter is used.



EN2997

In 2008, Conesys will be a qualified source for EN2997 connectors. EN2997 is a European spec for aircraft engine connectors, and is being used now in the U.S. by many engine suppliers.



MIL-DTL-28748

J-Tech is a qualified source for M28748/9 and /10 rack & panel connectors. These connectors are often used on shipboard applications. There are many mounting and connecting options.



Fiber Optics

J-Tech is the first manufacturer to qualify for M29504/4 and /5 Revision C fiber optic termini. This revision is much more stringent than previous revisions, thus optimizing the performance of the termini.



Contacts

J-Tech is qualified for many M39029 contacts. J-Tech is also expanding the contact offering to RF contacts, such as Coax, Twinax, Triax, and Quadrax contacts used in multi-channel connectors.





J-Tech Rugged RJ45 Product

J-Tech makes rugged RJ45 Ethernet connectors used in many military and commercial applications. J-Tech offers a full breadth of different types of plugs and receptacles. Cat 5/5e and Cat 6 are presently available.

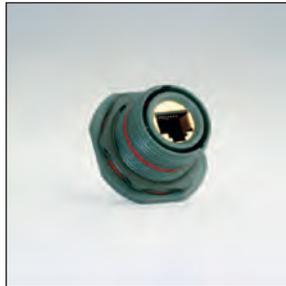


J-Tech Rugged RJ45 Product

J-Tech's rugged RJ45 plugs are easy to assemble, and offer full shielding capabilities if your application requires Ethernet shielded cable. J-Tech's rear accessories work with many different Ethernet cable sizes.

J-Tech Rugged RJ45 Product

J-Tech Rugged RJ45 receptacles come in jam nut, wall mount, and in-line receptacles. Many plating options are available, and different shielding options, also. This product line has a very rugged design.



J-Tech Rugged RJ45 Product

J-Tech's RJ45 product seals to better than IP67 rating. This product meets high vibration and shock requirements. Durability exceeds 500 mating cycles, and the temperature range is -40 degrees C to +85 degrees C.

Compliant Pin Contact Connectors

J-Tech's compliant pin contacts have been field-proven for years. This technology allows the customer to terminate the connectors to their pc board without solder, as the connectors are mechanically pressed right into the board.

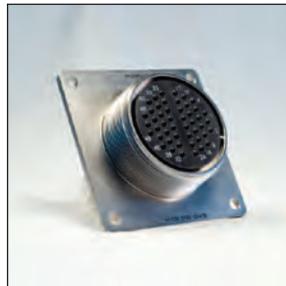


Resistor Connectors w/Special Back Shell

Like so many application specific connectors that J-Tech makes, there are even connectors with resistors in them, and also connectors with just about any type of back shell a customer might require.

Dog Bone Connector Adapters

Another J-Tech special that a customer required, and J-Tech was able to design: a special adapter to fit around a pylon on the wing of an aircraft. The customer had an issue in trying to mate 2 connectors, so J-Tech designed this adapter.



High Density Special Application Product

This particular design is a high density insert arrangement, but what makes it so special is that 2 large size 4 bus bar terminated contacts come out of the back of this connector, thus condensing many size 16 contacts into 2 bus bar contacts.



J-Tech JTVG Reverse Bayonet Product

J-Tech offers MIL-DTL-5015 Front Release connectors in a reverse bayonet 1/3 turn coupling. These connectors comply with all the requirements of mil spec connectors, but offer this alternate coupling mechanism.



Special JTVG Plug

J-Tech has been doing specials for years, and this rubber covered coupling nut JTVG plug is no different. This plug is very rugged, and allows customers to have a better grip when mating and the coupling is well protected.

JTVG Connectors with PC Tail Contacts

J-Tech offers pc tail contacts in just about all of the product offerings. If a customer does not want crimp contacts, J-Tech can supply solder cup or solder tail contacts with no problem.



Square Flange Mount JTVG Plug

Another special from J-Tech that allows customers to mount the plug to a panel, if necessary. PC tails, solder cups, and crimp contacts are available.

JTVG Bulkhead Feed Thru Connector

J-Tech has bulkhead feed thru connectors available in just about any type of mil spec circular connector. These feed thru connectors can really help customers get out of a design pinch.



Alternate Plating JTVG Connectors

J-Tech offers just about any plating for the connectors we supply, and this connector even has a special hex nut shaped coupling nut to give better grip when mating. Just about anything a customer requires, J-Tech can do.

Reverse Bayonet Monoblock – JTCIR

J-Tech's JTCIR connector line is widely used in the rail/mass transit industry, heavy equipment, stage and lighting, factory automation, and many other industrial applications.



J-Tech JTCIR Product

J-Tech offers a full line of plugs and receptacles for the JTCIR product line. These press in crimp contacts, can also come in solder cup form. Alternate platings are also available.



Stainless Steel Connectors

J-Tech is known in the industry as a connector manufacturer that likes to run Stainless Steel connectors. J-Tech's standard product and application specific connectors can be available in stainless steel and other materials.



Push Pull Connectors

J-Tech has even more options when it comes to coupling the connectors to mate. This push pull product line is field proven to last and mate many times while maintaining full capabilities of the interconnect package.

High Power Connectors

Having much experience in the 5015 product lines, J-Tech offers many types of special insert/contact configurations for high power applications, and many other special requirements.



Connectors with Various Sizes and Contacts

J-Tech can offer just about any type of connector with various types of contacts, such as pc tails, solder cup, crimp contacts, and many more. J-Tech is able to modify the size of connectors to meet certain applications.

J-Tech Adapters

Along the lines of our bulkhead feed thru connectors, J-Tech has done many different variations of this type of connector in just about any series of connector.



Special Adapters

This adapter converts a MIL-DTL-83723 III connection to a MIL-DTL-5015 connection. This is one of the many special adapters that J-Tech has done in the past and continues to do.

Fiber Optic Cable Assemblies

Not only is J-Tech qualified to supply Fiber Optic butt joint termini, J-Tech can do full Fiber Optic cable assemblies in just about any configuration. Contact the factory for more information.



Special Rear Accessories

With J-Tech's expertise in connectors and special interconnects, special rear accessory items, especially high temperature rated back shells, have always been available at J-Tech.



Products

Conesys/Aero Electric Connector is a first-rate designer and cost competitive manufacturer of high performance environmental and firewall-rated cylindrical connectors machined from aluminum, carbon steel, stainless steel, and aluminum nickel bronze. Conesys/J-Tech specializes in front and rear release 5015 connectors as well as customer-specific applications for customized connectors and fiber optic assemblies. Conesys/EMP Connectors and Conesys/Jerrick design and manufacture EMI filter and EMP transient suppression devices. Conesys Europe markets and assembles product for Aero-Electric, J-Tech and EMP. Conesys/Aero Industrial Products sells and manufactures connectors and cable assemblies intended for the industrial marketplace.

Markets

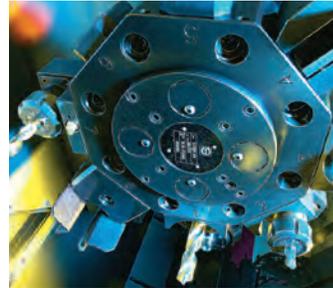
Our connectors are widely used in all types of applications spanning markets such as: Military/Aerospace, Commercial Aviation, Business Aviation, Aircraft Engines, Marine Applications, Heavy Equipment, Rail Mass Transit, Geophysical, Machine Automation/Motion Control, Medical Equipment, General Industrial and Telecommunications.

Excellence

Conesys' manufacturing process is vertically integrated, ISO 9001: 2000 and AS9100: 2001 – 08 certified, and most importantly, focused on continuous improvement through prevention of defects and reduction in variation and waste.

Quality Policy

“We are committed to Customer Satisfaction by meeting Quality and Delivery requirements while continuously measuring and improving our processes.”



Machining

In house, using state-of-the-art double spindle, double turret CNC machines allowing for flexibility, and faster cycle times.



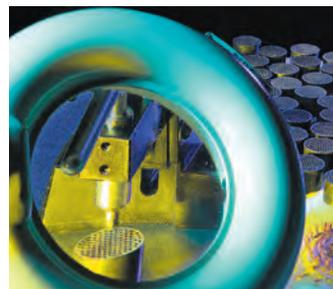
Molding

In house, using internally built molds allowing for tighter controls and improved cycle times.



Plating

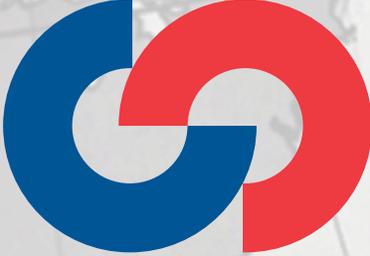
In house, using state-of-the-art equipment and environmentally compliant processes.



Assembly

In house, using cellular concepts for better efficiency, cost control and reduced cycle times.

Warranty: Conesys warrants to the first user that it will correct any proven defect in product purchased from Conesys without charge. This correction will be by repair or replacement, F.O.B. factory. Correction will be made as long as product was used in accordance with good engineering practices. Any claims for warranty replacement must be made in writing within 365 days of the original delivery date. Claims made after this time will not be recognized. This warranty is in lieu of all other expressed or implied warranties, including warranties of merchantability, and it does not include consequential damages.



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