

# Cristek Interconnects Inc.



IPP has represented Cristek across Europe for over 25 years. Together, we have established a reputation for innovative interconnect solutions spanning simpler custom Micro-D connectors, through transient and EMI filtered connectors to full and complex combination harness configurations.



## Connectors & harnesses

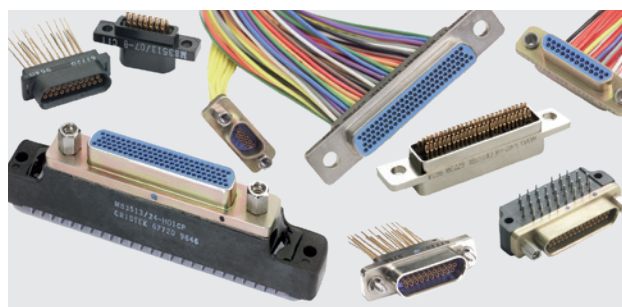
We have focused on niche interconnect solutions used in land-based radar systems, air and spacecraft applications, missiles, soldier-borne equipment – any demanding applications requiring small packaging and high precision and reliability. In addition to its extensive R&D and custom product capabilities, Cristek manufactures a complete line of military-off-the-shelf or MOTS products using the micro and nano QPL contact systems as the basis for application specific connectors and cables.

### Applications

Ground, air, space and marine systems where EMI protection is crucial. Any low maintenance, black-box precision interfacial need.

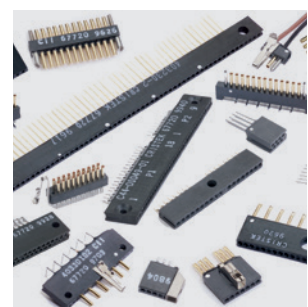
### Product range

MIL-DTL-83513  
MIL-DTL-32132  
Filter connectors all MIL Platforms  
RF connectors  
RF cable assemblies  
Digital Cables



### Micro-D

High reliability connector, with quadruple the contact-density to regular D-sub connectors. Reverse-gender system for reduced risk of connector mismatching and male spring pin crush. Available in several PCB mounting or pre-terminated wire options, plastic or metal and hybrid packages, with IP-67/68 sealing, in power and high frequency RF combinations, with EMI protection features, filtered and as specials.



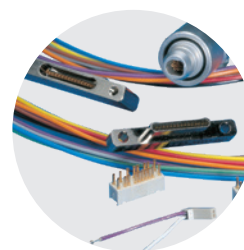
### Micro- and Nano Strips

Ultra-miniature, rugged and affordable strip line-connectors. Wire-to-wire, board-to-board and board-to-wire versions are available with many options.



### Circular

Connectors can be designed with Micro, Nano, RF or high voltage contacts. Products can be quick disconnect, EMI filtered, IP 68 sealed, protected against fluid immersion, customer cable termination and/or molding or alternatively a turnkey cable specifically engineered to meet your needs.



### Nano-D

1600 contacts per square inch. This leap in high reliability and high contact density suited for high-speed signals, reduction in board packaging and weight saving. Available in plastic and metalized packages, in strip, D and circular layouts, in wire, through hole PCB and surface mount PCB termination versions.



### Filter

EMP, NEMP and LEMP surge protection is available on all basic connector styles. Most customers require special modifications and designs to support their unique application. We welcome your inquiries for special applications.



## Connectors & harnesses

### Cable assemblies & Custom solutions

Thanks to specific equipment as well as experienced and certified technicians, Cristek has developed significant expertise in cable assemblies and is equally competent in supporting “build-to-print” and “concept-to-production” harnessing requirements.

Any connector content, wires range from 8AWG to 34 AWG, overmolding & potting, machine overbraid, shielding & jacketing (e.g. Kevlar), complex wire harnesses requiring three dimensional fixturing, solderless termination of micro-miniature or nano-miniature style connectors and backshells.

More and more customers require not only high quality and reliable connectors but also want to reduce their cost by buying complete pre-wired connectors. We welcome your inquiries for cable assemblies to fit your application.



### Coaxial Cable Assemblies

Cristek designs and manufactures both semi-rigid and flexible microwave coaxial cable assemblies for interconnect and instrumentation applications from DC to 65 GHz. Connectors for the assemblies range in size from the SMPM to as large as 7/16 on a variety of cable types. Cristek can offer cable assemblies in a broad range of cable types from simple RG assemblies to high frequency low loss custom cable assemblies. Electrical testing capabilities includes VSWR (Return loss), attenuation, Dielectric Withstanding Voltage (DWV), Insulation Resistance (IR) and Continuity. Other electrical test for specific applications that can be performed are phase, delay and attenuation matching and RF leakage. Cristek also specializes in custom and special designs including high power cable assemblies and special connector configurations.

### RF Connectors

Miniature blind-mate interconnects for use in high frequency and/or high density applications. Direct module-to-module connection possible. The interface will operate up to 110GHz. Push-on style connections allow for fast mating and un-mating without the need for coupling nuts or torque wrenches. Locking interface designs allow for use in high shock and vibration environments. Solder less versions available.



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