

Cooper Interconnect Moorpark, CA

2010

 **COOPER** Interconnect

Cooper's Moorpark facility is known as a "Plastic Connector Specialist". We offer unique connector and assembly solutions through our substantial engineering talent and dedicated production workforce.

Some of our best known products are:

Thorkom AMCs / AISs
Snap-Track Pluggem

Cooper Interconnect's Moorpark facility is located in Southern California, approximately 45 minutes from Burbank Airport and just over an hour from Los Angeles.

- **40,000 sq. ft. (Built in 1998)**
- **2 Shifts**
- **55 Employees**
- **Sales / Contracts**
- **Engineering - Design & Development**
- **Purchasing**
- **Manufacturing Engineering**
- **Tool Design & Fabrication**
- **Operations – Molding, Stamping, Assembly**
- **Quality Assurance - Inspection & Testing**
- **Planning/Inventory, Packaging & Shipping**



Expertise in Injection and Insert molding



Experience, in-house tooling



Insert, Rubber and Compression molding

Nogales, Sonora, Mexico

- ***Located 5 minutes South of the Nogales, AZ border and approximately 45 minutes from Tucson International Airport***
- **30,000 sq. ft. (Built in 2001)**
- **1 Shift**
- **161 Employees**

- **Administration**
- **Assembly (Connector, Cable, Black Box)**
 - Wire prep, Crimping, Soldering, Overmolding, Marking, Kitting, Potting, Testing, Repair, Rubber compression molding
- **Certified Operators**
- **Quality Assurance- Inspection & Testing**



Moorpark Quality Policy

The executive management of Moorpark has defined and documented the following Quality Policy related to the products and services it delivers to its customers

“Anticipate the requirements of our internal and external customers for all of our products and services. Continually improving our processes and methods will be the means to attain the ultimate goal of 100% yield the first time, on time, every time. This to us is quality.”

- Documentation
- Moorpark & Nogales facilities are:
 - **ISO 9001:2000**
 - **AS 9100:2001-08**
 - **D6-82479 (Boeing) compliant**
- Certified by the following customers:
 - **Am-Safe**
 - **Boeing**
 - **Raytheon Lockheed/Martin, Joint Venture**
 - **Labinal**

THORKOM I / II Connectors

Thorkom circular plastic connectors are designed to be used in instruments, medical control, commercial and industrial applications. Their simple one-piece construction and high precision screw-machine contacts which provide easy assembly, long life and maintenance free operation.

THORKOM I



- Special squeeze to unlock system
- Receptacle are made from an optional high temperature thermoplastic suitable for autoclaving/sterilization.
- Cable, Panel & PCB mountable
- Available in 7, 12 & 24 positions.
- Gold plated, screw machine contacts accommodate 22 – 26 AWG wire.
- Several standard backshells
- U.L. Approved
- Available in 8 colors (NEW)

THORKOM II



- Simple ¼ turn lock with positive feedback
- Sealed for submersion
- Fully autoclavable / sterilizable
- Bulkhead & Panel Mountable
- Available in 7 & 24 positions.
- Screw machine contacts accommodate 22 – 26 AWG wire.
- Standard potting shell or field replaceable backshells
- Available as a molded assembly using customer's specified cable.

Industrial 5015 Connectors

Cooper Interconnect's Industrial 5015 MIL style connectors are constructed to be intermateable with MIL-DTL-5015 connectors, the Industrial 5015 Series features a standard threaded coupling interface, single key polarization and pre-filled solder contacts.

Common applications include automation equipment, robotics, solar and alternative energy systems, medical (MRI), rail, heavy equipment, farming and transportation vehicles.



- Shell sizes 10SL to 36 and over 140 insert arrangements.
- Five plating options to meet specific applications. Two types are RoHS compliant.
- Resilient inserts provide a superior standard of protection against the environment and harsh temperature applications.
- Very rugged construction
- Available in plug and receptacle, bulkhead and panel mount

Snap Lock Connectors

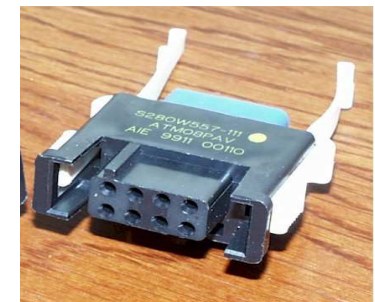
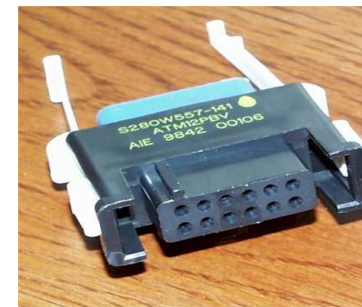
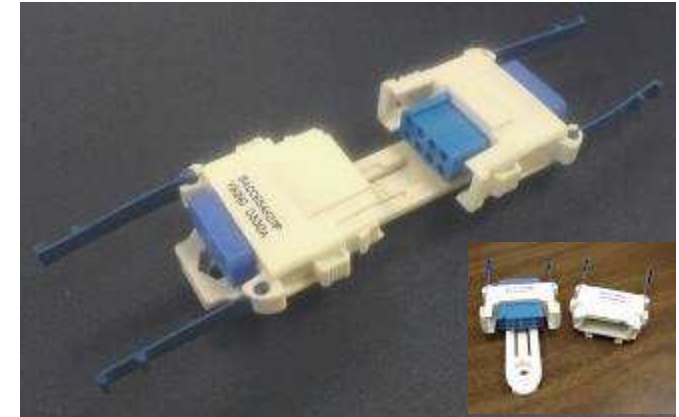
Snap-Lock connectors are compact, ultra reliable metal circular connectors that use a double detented, positive snap-action band lock to secure to it's mate. This locking style is ideal for applications where reliable performance under conditions like severe vibration and thermal cycling is demanded.



- **Sizes available are – 2, 3, 4, 5, 6, 7 & 9 positions
Contact AWG – 18 / 20**
- **High temperature plastic inserts. Also available with a hermetically sealed option.**
- **Very rugged construction**
 - **Plugs are aluminum alloys**
 - **Receptacles are stainless steel**
- **They are available in plug and receptacle, bulkhead and panel mount**
- **Snap-Lock connectors meet most military specification requirements for connectors.**

Snap-Track I & II Connectors

- **Snap-Track is a unique series of connectors that use a track as a guide system to allow reliable blind mating and un-mating of the connectors.**
- **These rectangular, plastic housing, key-able electrical connectors are currently used to connect electrical wiring in commercial aircraft.**
- **The track allows blind mating and the loud “snap” sound (to confirm mating) is useful when installing the connectors in difficult to reach areas.**
- **Available in 8, 12, 16, 18 and 24 position.**
- **Integrated strain relief bands**
- **Excellent environmental protection with face and wire sealing.**
- **Ideal for controlled environments where resistance to humidity, temperature, thermal shock, vibration, impact and fluids are required. eg. Passenger cabin of commercial aircraft.**



Card Edge / Pluggem Connectors



Card Edge Connectors

- Available in all the industry standard platings
- Compliant Pin – Wire Wrap – Solder & Eyelet
- U.L. Approved, meet or exceed MIL-C-21097



Application: PC card racks, and mother to daughter PC board applications



- Center Line Spacing .050 - .100 - .125 - .150 - .156
- .100 and .150 are available in right angle
- Compliant Pin – Wire Wrap – Solder & Eyelet
- Available in industry standard plating types

Pluggem

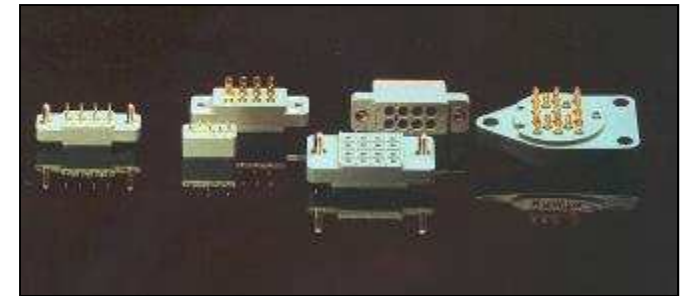
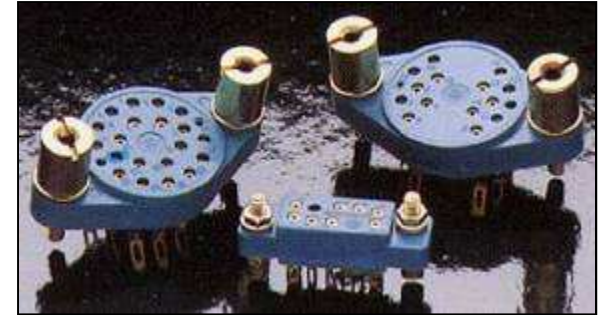
Pluggem is a series of board mounted and IDC cable mounted card-edge connectors. This series is ideal when trying to extend signals from one mother board to another.

- Center Line Spacing .100
- IDC male and female available in 10 to 50 contacts
- UL recognized
- Stronger and more suited to blind and/or repeated mating than a standard pin header.



Relay Sockets

- Cooper manufactures a line of relay sockets that are designed for the airframe industry. Major customers include Boeing, the aircraft industry, Military and their contractors
- The shells are constructed from a high temperature plastic and utilize interfacial seals and wire sealing grommets
- Sizes available are 8, 10, 14, 16, & 24 positions



AMC - Airborne Miniature Circular AIS – Airborne Inline Splice Connector



AMC

Cooper's AMC connectors consist of a 3 position miniature circular connector which receives removable crimp type pin contacts and a mating plug which receives removable crimp type socket contacts. The plug and receptacle are latched together with the use of our proprietary squeeze-to-unlock system, similar to Thorkom I connectors.

- Available in 3 colors for easy coding (Red, White and Blue)
- Proprietary squeeze-to-unlock system provides auditory feedback with "Two Clicks" to confirm mating.



AIS

Cooper's single wire connectors offer a cost-effective solution where a single contact connection is needed. They are versatile and light-weight and meet the requirements for many industrial and commercial applications.

- Available in 2 colors for easy coding (Red & Blue)
- Push to lock and 1/4 turn to unlock system provides a solid mate

Custom Industrial / Medical Cable Assemblies and Harnesses

- **Cooper Interconnect offer a wide range of custom assemblies. We offer assemblies utilizing a large variation of technologies including:**
Over-molding, Harness prep, Multi-pin circular, rectangular and high performance.
- **Our in-house capabilities include:**
 - **Molding, Stamping, Contact crimping, Wire/Cable cutting & stripping, marking, testing, bonding and welding.**



Custom Cable Assemblies





**Windshield
Heater connector**



**Molded in
Connector**



AMR cable



**Rack/Panel
Passenger aircraft**



**Hermaphroditic
connector**



**Snap-Track
custom**



- TOW Missile
- Javelin Missile



- Viking Electronics has achieved numerous awards in recent years, including;
- “Certified Supplier”
- “Supplier of the Year”
- “Continuous Process Improvement Program”
- “Service Award”
- “Outstanding – 100% Compliance”



Our average **Quality & Delivery** Rating for all customers **exceeds 99.9%**

- We maintain a 100% rating with most customers and are recognized as a “**Gold**” supplier

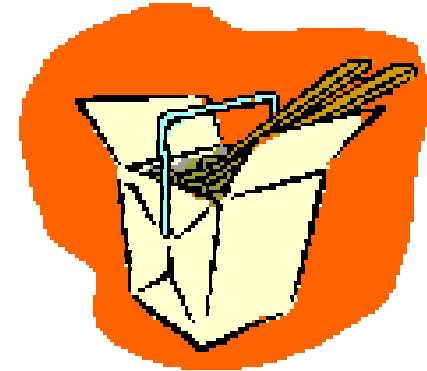


Take Away

At Cooper Interconnect - Moorpark, we have the expertise and dedication to make world class connectors and assemblies. With our in-house tooling, molding, stamping and secondary processing, we can offer unique product solutions in a wide variety of industries.

We have won several customer awards because of our ability to produce results with our dedicated employees and high quality standards.

Our low cost production department in Mexico enables us to provide a cost effective solution, every time.



A
world
class
company