



# Defense Solutions

Unbiased Solutions Backed by Technical Expertise

Connectors | Wire & Cable | Sleeving & More

## Breaking the Constraints

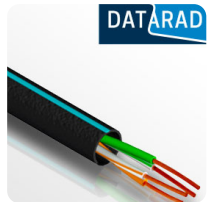
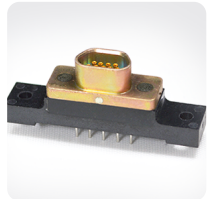
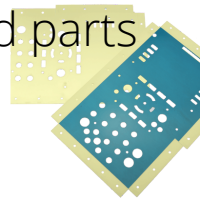
If you are looking for customized and highly engineered products, we can help.

**Our factory partners specialize in the solution.**

Sourcing | Engineering | Cost Savings | Weight Savings  
| Inventory | Making Deadlines | Traceability

**Custom Machined Parts**  
**Sheet Metal Fabrication**  
**Etched Parts**  
**Surface Coatings**  
**Shipboard Cat 6A**  
**Back Shells**  
**Micro & Nano Connectors**  
**Sleeving**  
**Sheathing**  
**Shielding**  
**Silicone Tape**  
**Tubing**  
**Traceability**  
**Fuel Line Labeling**  
**Wire Harness & Cable**  
**Assemblies**  
**Kitting**  
**JIT | AOG | VMI**

- Complex machined parts
- EMI | RFI | EMP Protection
- Nomex
- Flight Heritage
- Micro Connectors
- Mil Spec
- BMS
- Cage Code
- ITAR
- AS9100D and ISO 9001 certified



**Let us go to work for you. We can help get your project off the ground.**

We are available to meet with you and review your next project.

**Robert Neumann**

Sales

robert@rainiermarketing.com  
(253) 335-0425

**Carrie Crane**

Sales

carrie@rainiermarketing.com  
(253) 987-5775

**Greg Todd**

Sales

greg@rainiermarketing.com  
(253) 987-5775

Having trusted technical advisors on your team changes EVERYthing

# Defense Highlights

## ToolCraft

AS9100D

ISO 9001:2015

ITAR

Machining solutions that you count on.

Toolcraft has been helping the armed forces for years by machining core products used in infrared and visible laser systems found in aiming, illumination, targeting, and non-lethal visual disruption.

Specializing in the unique, Toolcraft offers reliable delivery with exacting precision and excels at manufacturing parts that solve your problems.



## Dunbar

AS9100D

ISO 9001:2015

Tier1 Supplier

Founded in 1986, Dunbar is a tier 1 supplier of Mil-Spec Heat Shrinkable Tubing. With a full breadth of heat shrinkable and non-shrinkable products,

Dunbar products include Heat Shrinkable Tubing products – Polyolefins (Formatted Markers, Thin, Medium & Heavy walled), Adhesive-lined, Kynar, PVdF, Neoprene, Diesel Resistant, CATV tubing Fluoroplastic, Fluoroelastomer, and Viton tubing.



## ACE

AS9100D

ISO 9001:2015

SAM SDB

ACE specializes in a variety of products and services that include: Distribution of Connectors, Backshells, Wire & Cable Identification, and Wire Harness Protection.

In addition, they have custom solutions for armored land vehicles, communication equipment, space & missiles, unmanned aircraft, and military aircraft. Above all, Aircraft & Commercial Enterprises prioritizes quality and customer satisfaction.



## Min-E-Con

ITAR

MIL-DTL-83513

UL

Min-E-Con is a leader in the design and manufacture of high-density microminiature connectors.

Min-E-Con pin contact is a dual cantilever design providing constant contact pressure and unlimited points-of-contact between pin and socket.

The tubular machined socket is Guided into the pin insulator by a lead-in chamfer.

Min-E-Con's contact system has a low insertion force and 2000 mating cycles.



## Specifications

MIL-I-46852C Type 1  
MIL-I-46852C Type 2  
MIL-202  
A-A-59163 Type 1  
A-A-59163 Type 2  
A-A-59569  
A-A-59301  
AERO AS1072  
BMS 13-52  
AS23053/18C2  
MIL-DTL-24643/59

MIL-DTL-83513  
AS23053/4  
AS23053/5  
AS23053/6  
AS23053/8  
AS23053/4C1  
AS23053/4C2  
AS23053/4C3  
AS23053/15C1  
AS23053/15C2  
MIL-DTL-24643/62

DMS2186 Type 1  
DMS2186 Type 2  
Lockheed MMS J517  
Lockheed 5-00857  
GE A50A4936  
GE A50E112  
GE P5384  
Rohr RMS315  
FAR 25.853  
AS23053/1  
MIL-DTL-24643/75

SAE-AMS-DTL-23053/5  
SAE-AMS-DTL-23053/18  
SAE-AS81531  
SAE-AS81531  
DMS 2325  
DMS 2409  
MIL-STD-1247  
MIL-T-9906  
MIL-DTL-24643/77  
AS23053/16  
MIL-DTL-24643/84

AS23053/13  
MIL-DTL-24643/64  
Made in USA

