ADVANCED CONNECTOR SOLUTIONS
MILITARY APPLICATIONS

A PERFECT ALLIANCE.

ODU

SMALLER - LIGHTER - FASTER

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A PERFECT ALLIANCE.

ODU GROUP OVERVIEW

- More than 75 years of experience in connector technology
- Over 1,900 employees worldwide
- 9 sales subsidiaries in China, Denmark, France, Germany, Italy, Japan, Sweden, the UK and the US as well as 5 production and logistics sites
- All technologies under one roof: Design and development, machine tool and special machine construction, injection, stamping, turning, surface technology, assembly and cable assembly
- We operate in the following markets: medical, military and security, test and measurement, industrial, energy, and mobility

As of January 2019

CERTIFIED QUALITY

- ISO 9001
- IATF 16949
- ISO 13485
- ISO 14001
- ISO 50001
- Wide range of UL, CSA, VDE and DNV licenses
- UL certified cable assembly

For a complete list of our certifications, please visit our website.

CUSTOMER-SPECIFIC SOLUTIONS

Contacts, connectors and integrated cable assembly solutions meeting the most demanding technical market requirements – ODU's connector solutions and value-added services are characterized by their exclusive focus on meeting the customer's needs.

- Precise implementation of application-specific requirements regarding design, functionality, cost and exclusivity
- Custom connector solutions derived from standard products
- One-to-one local expertise and fair, friendly consulting
- Quick prototyping and production turnaround

ODU CONNECTORS

APPLICABILITY

SOLDIER COMMUNICATION SYSTEMS

- 70% weight and size reduction
- IP68 (up to 20 m)

UNMANNED SYSTEMS: UAV/UGV/UAS

- High vibration resistance
- High-speed data transfer

MILITARY VEHICLES

- Shock and vibration resistant
- Ergonomic shape and rapid mate/demate capable

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ODU ADVANCED CONNECTOR PORTFOLIO:

**CIRCULAR**

GET SAMPLES NOW! Email us at: sales@odu-usa.com

<table>
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<tr>
<th>ODU AMC® High-Density</th>
<th>ODU AMC® Push-Pull</th>
<th>ODU AMC® Break-Away</th>
<th>ODU AMC® Easy-Clean</th>
<th>ODU MINI-SNAP®</th>
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**MECHANICAL**

- Locking option
- Break-Away option
- Solder cup termination
- Shell material
  - Brass
  - Aluminum
- Contacts
  - Pin / Socket
  - Spring / Probe
- IP68
- Wire, Flex or PCB termination
- Salt spray resistance
- Operating temperature range
  - -51 °C [(-60 °F) to +125 °C (+257 °F)]
- Advanced plating technologies for corrosion resistance
- RoHS compliant
- Rapid cable assembly manufacturing

**DEDICATED SIGNAL CONFIGURATIONS**

- Signal & power transmission
- USB® 3.1 Gen1
- USB® 2.0
- HDMI® 2.0
- Ethernet CAT 5 and CAT 6A

**ODU THREADED CONNECTOR**

- Reliable, proven contact technology
- Scalable to IP68
- Solder cup termination
- PCB termination
- Salt spray resistant
- High speed capable
- Suitable for harsh environments
- Cable assembly integrated solution
- Enhanced performance for high vibration systems

**MODULAR/RECTANGULAR TECHNOLOGY**

- Advanced docking
- High vibration resistance
- Wide variety of transmission modules
- > 100,000 mating cycles
- 31 different high speed data inserts
- 6 docking frame options

**ELECTRICAL CONTACT TECHNOLOGY**

- High precision contacts
- Fully customizable
- Low contact resistance
- High contact density
- High current carrying capacity

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*These ODU specific connectors can transmit common data transmission protocols such as USB® 3.1 Gen1, USB® 2.0, HDMI® 2.0, Ethernet CAT 5 and CAT 6A, but they are not USB®, HDMI®- and Ethernet- standard connectors.*
RAPID CABLE ASSEMBLY MANUFACTURING

- Custom turnkey solutions
- Thermoplastic injection molding design & fabrication
- Bonding & laser etching
- Private labeling
- ITAR regulated facility

ODU 5 STAR EXPERIENCE

1 PERSONAL ONE-TO-ONE TECHNICAL SUPPORT
2 STANDARD PRODUCTS READILY AVAILABLE
3 CABLE ASSEMBLY INTEGRATED SOLUTIONS
4 RAPID PRODUCT DEVELOPMENT
5 CUSTOM CAPABILITIES TO MEET TECHNICAL CHALLENGES

HIGH LEVEL OF VERTICAL INTEGRATION
ODU consolidates all necessary expertise under one roof.

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