A PERFECT ALLIANCE.

ADVANCED CONNECTOR SOLUTIONS
MILITARY APPLICATIONS

SMALLER - LIGHTER - FASTER

www.odu-usa.com
A PERFECT ALLIANCE

ODU GROUP OVERVIEW

• More than 80 years of experience in connector technology
• Over 2,300 employees worldwide
• Sales offices in China, Denmark, France, Germany, Hong Kong, Italy, Japan, Korea, Romania, 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, and automotive

As of January 2020

CERTIFIED QUALITY

• ISO 9001
• IATF 16949
• ISO 13485
• ISO 14001
• ISO 50001
• Wide range of UL, CSA, VDE and VDE 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

www.odu-usa.com

ODU CONNECTORS APPLICABILITY

SOLDIER COMMUNICATION SYSTEMS

• 70% weight and size reduction
• IP6KB (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

www.odu-usa.com
### ODU ADVANCED CONNECTOR PORTFOLIO:

#### CIRCULAR

**MECHANICAL**
- Locking option
- Break-Away option
- Solder cup termination
- Shell material: Brass, Aluminum
- Contacts: Pin / Socket, Spring / Probe
- IP6K8: Up to 20 m
- Wire, Flex or PCB termination
- Salt spray resistance
- Operating temperature range:
  - ODU AMC® High-Density: –51 °C (–60 °F) to +125 °C (+257 °F)
  - ODU AMC® Push-Pull: –51 °C (–60 °F) to +125 °C (+257 °F)
  - ODU AMC® Easy-Clean, ODU MINI-SNAP®: –40 °C (–40 °F) to +120 °C (+248 °F)
  - ODU AMC® Break-Away: –40 °C (–40 °F) to +120 °C (+248 °F)
  - ODU-MAC®: –40 °C (–40 °F) to +134 °C (+273.2 °F)
- Advanced plating technologies for corrosion resistance
- RoHS compliant
- Rapid cable assembly manufacturing

#### DEDICATED SIGNAL CONFIGURATIONS
- Signal & power transmission
- USB® 3.2 Gen 1x1
- USB® 2.0
- HDMI®
- Ethernet CAT 5 and CAT 6A

### ODU THREADED CONNECTOR
- Reliable, proven contact technology
- Sealable 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
- Easy one handed operation
- Up to 70 signal contacts and power, coax, 2c, fluid, data rates
- > 5,000 mating cycles
- IP67
- Up to 6 mechanical coding options
- M 25 cable outlet
- Cable assembly integrated solutions

---

1. These ODU specific connectors can transmit common data transmission protocols such as USB® 3.2 Gen 1x1, USB® 2.0, and HDMI®, but they are not USB®- and HDMI®- standard connectors.

---

**ODU-MAC®**
- Silver-Line
  - ODU-MAC® Push-Lock
- Blue-Line
  - ODU-MAC® Push-Lock

**REQUEST A QUOTE**
Email us at: sales@odu-usa.com

**BUY ONLINE:**
store.odu-usa.com

---

**ASK OUR ENGINEERS**
Email us at: sales@odu-usa.com

---

**ODU AMC® HIGH-DENSITY**
- Screw-Lock
- Break-Away

**ODU AMC® PULL-PULL**
- ODU AMC® Easy-Clean
- ODU AMC® Break-Away

**ODU MINI-SNAP®**
- ODU AMC® High-Density

---

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

---

---

---

---

---
**ODU 5 STAR EXPERIENCE**

1. Personal one-to-one technical support
2. Standard products readily available
3. Custom capabilities to meet technical challenges
4. Rapid product development
5. Cable assembly integrated solutions

**HIGH LEVEL OF VERTICAL INTEGRATION**

ODU consolidates all necessary expertise under one roof.

**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. Custom capabilities to meet technical challenges
4. Rapid product development
5. Cable assembly integrated solutions

**HIGH LEVEL OF VERTICAL INTEGRATION**

ODU consolidates all necessary expertise under one roof.

**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. Custom capabilities to meet technical challenges
4. Rapid product development
5. Cable assembly integrated solutions

**HIGH LEVEL OF VERTICAL INTEGRATION**

ODU consolidates all necessary expertise under one roof.

**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. Custom capabilities to meet technical challenges
4. Rapid product development
5. Cable assembly integrated solutions

**HIGH LEVEL OF VERTICAL INTEGRATION**

ODU consolidates all necessary expertise under one roof.

**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. Custom capabilities to meet technical challenges
4. Rapid product development
5. Cable assembly integrated solutions

**HIGH LEVEL OF VERTICAL INTEGRATION**

ODU consolidates all necessary expertise under one roof.

**RAPID CABLE ASSEMBLY MANUFACTURING**

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

ODU GROUP WORLDWIDE

ODU USA

ODU-USA, Inc.
300 Camarillo Ranch Road, Suite A, Camarillo, CA 93012, United States of America
Phone: +1 805 484-0540, Fax: +1 805 484-7458, E-mail: sales@odu-usa.com

HEADQUARTERS

ODU GmbH & Co. KG
Pregelstraße 11
84453 Mühldorf a. Inn, Germany
Phone: +49 8631 6156-0
Fax: +49 8631 6156-49
E-mail: sales@odu.de
www.odu.de

ODU-USA, Inc.
300 Camarillo Ranch Road, Suite A, Camarillo, CA 93012, United States of America
Phone: +1 805 484 - 0540, Fax: +1 805 484 - 7458, E-mail: sales@odu-usa.com

PRODUCTION AND LOGISTICS SITES

Germany Otto Dunkel GmbH
China ODU (Shanghai) Connectors Manufacturing Co.Ltd
Mexico ODU Mexico Manufacturing S.R.L. de C.V.
Romania ODU Romania Manufacturing S.R.L.
USA ODU North American Logistics

SALES LOCATIONS

ODU (Shanghai) International Trading Co., Ltd.
Phone: +86 21 58347828-0
E-mail: sales@odu.com.cn
www.odu.com.cn

ODU (HK) Trading Co., Ltd.
Phone: +852 5439-9036
E-mail: sales@odu.hk
www.odu.hk

ODU Japan K.K.
Phone: +81 3 6441 3210
E-mail: sales@odu.co.jp
www.odu.co.jp

ODU Korea Inc.
Phone: +82 2 6964 7181
E-mail: sales@odu-korea.kr
www.odu-korea.kr

ODU (Shanghai) International Trading Co., Ltd.
Phone: +86 21 58347828-0
E-mail: sales@odu.com.cn
www.odu.com.cn

ODU Denmark ApS
Phone: +45 2233 5335
E-mail: sales@odu-denmark.dk
www.odu-denmark.dk

ODU Italia S.R.L.
Phone: +39 331 8708847
E-mail: sales@odu-italia.it
www.odu-italia.it

ODU France SARL
Phone: +33 1 3935-4690
E-mail: sales@odu.fr
www.odu.fr

ODU Romania Manufacturing SRL
Phone: +40 269 704638
E-mail: sales@odu-romania.ro
www.odu-romania.ro

ODU Scandinavia AB
Phone: +46 176 18262
E-mail: sales@odu.se
www.odu.se

ODU-UK Ltd.
Phone: +44 330 002 0640
E-mail: sales@odu-uk.co.uk
www.odu-uk.co.uk

Further information and specialized representatives can be found at:
www.odu-usa.com/contact

All dimensions are in mm. Some figures are for illustrative purposes only. Subject to change without notice. Errors and omissions excepted. We reserve the right to change our products and their technical specifications at any time in the interest of technical improvement. This publication supersedes all prior publications. This publication is also available as a PDF file that can be downloaded from www.odu-usa.com

www.odu-usa.com

Simply scan the QR code to download the entire brochure.