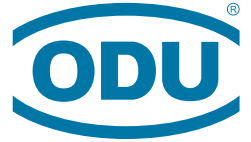


A PERFECT ALLIANCE.

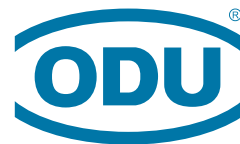


ADVANCED CONNECTOR SOLUTIONS

Ruggedized miniature circular connector



A PERFECT ALLIANCE.



A PERFECT ALLIANCE.

ODU GROUP OVERVIEW

- More than 75 years of experience in connector technology
- A turnover of € 200 million
- Over 2,300 employees worldwide
- Sales subsidiaries in China, Denmark, France, Germany, Italy, Japan, Korea, Sweden, 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

As of February 2019

CERTIFICATES & APPROVALS

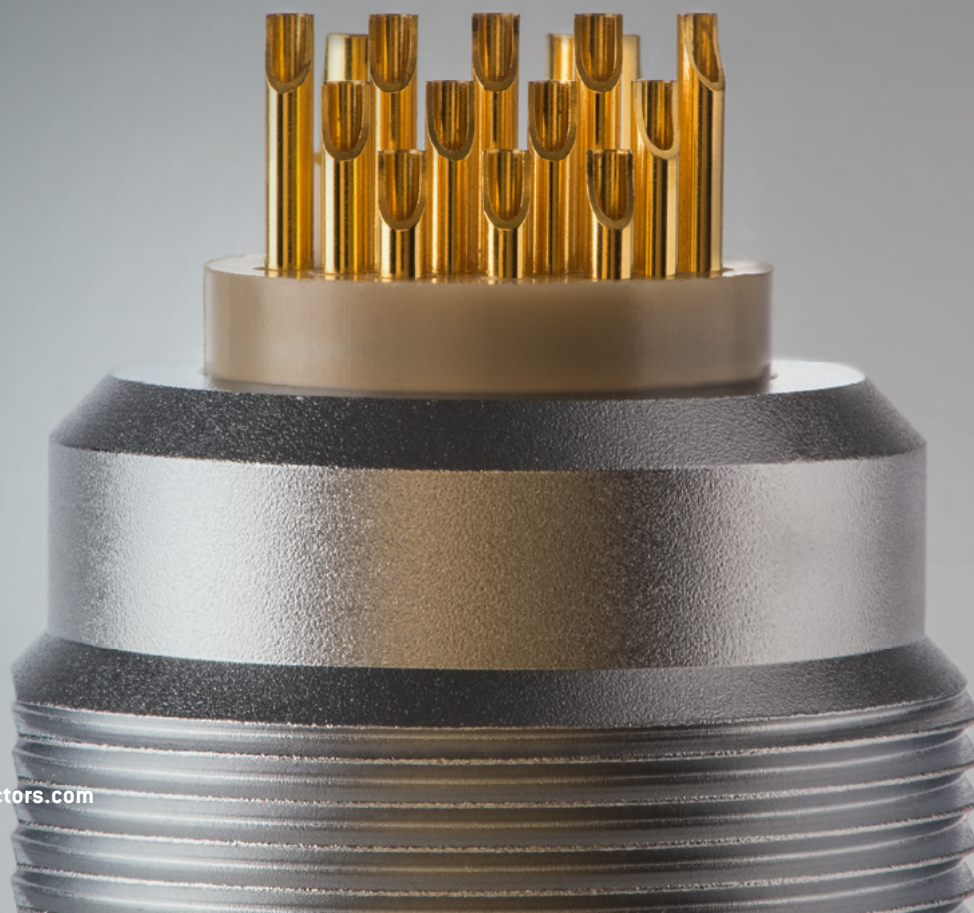
- ISO 9001
- IATF 16949
- ISO 13485
- ISO 14001
- ISO 50001
- Wide range of UL, CSA, VG and VDE approvals
- UL Wiring Harnesses certified

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

CONNECTIONS THAT LIVE UP TO ANY REQUIREMENT

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
- Modified connector solutions derived from standard products
- One-to-one local expertise and fair, friendly consulting
- Short development and production paths



ODU CONNECTORS APPLICABILITY

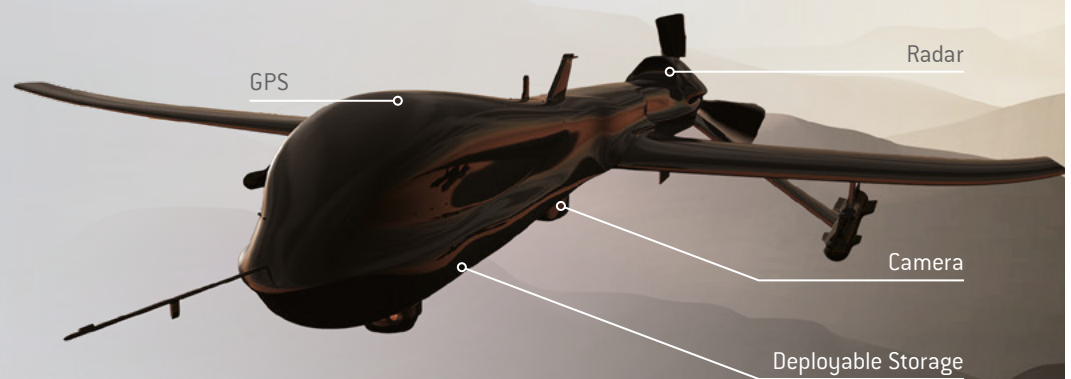
SOLDIER COMMUNICATION SYSTEMS

- + 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 resistance
- + Ergonomic shape and rapid mate/demate capable



ODU ADVANCED CONNECTOR PORTFOLIO



ODU AMC® High-Density



ODU AMC® Push-Pull
ODU AMC® Break-Away

CIRCULAR

MECHANICAL		
Push-Pull option		•
Break-Away option	•	•
Screw-Locking option	•	
Solder cup termination	•	•
Shell material	Brass	Aluminum
Number of Contacts	up to 40 (Pin/Socket)	up to 55 (Pin/Socket)
IP68	Up to 20 m	•
Wire, Flex or PCB termination	•	•
Salt spray resistance	•	•
Operating temperature range	–51 °C to +125 °C	
Advanced plating technologies for corrosion resistance	•	•
RoHS compliant	•	•
Rapid cable assembly manufacturing	•	•
DEDICATED SIGNAL CONFIGURATIONS		
Signal & power transmission	•	•
USB® 3.2 Gen1x1 ¹	•	•
USB® 2.0 ¹	•	•
HDMI® ¹	•	•
Ethernet 1 Gbit/s and 10 Gbit/s ¹	•	•

2-IN-1 SOLUTION

- Break-Away for quick and easy unlocking
- With additional Screw-Lock for a maximum resistance to vibration
- High contact density: 2–16 poles / 2 sizes
- Extremely rugged housing with non-reflecting surface



ODU AMC® HIGH-DENSITY WITH
ADDITIONAL SCREW LOCKING

MODULAR/RECTANGULAR

- Application-specific hybrid interface
- High vibration resistance
- Flexible modular construction
- Transmission of signals, power, high current, high voltage,
- HF signals (coax), media, high-speed data and fiber optics
- Extremely durable – even under extreme conditions
- > 100,000 mating cycles



ODU AMC® Easy-Clean



ODU Threaded Connector



ODU MINI-SNAP®

		•
•		•
	•	
•	•	•
Aluminum		Brass
up to 19 (Spring/Probe)	up to 26 (Pin/Socket)	up to 40 (Pin/Socket)
•	•	•
•	•	•
•	•	•
-51 °C to +125 °C		-40 °C to +120 °C
•	•	•
•	•	
•	•	•
•	•	•
		•
•		•
		•
	•	•

TECHNOLOGY



ODU-MAC®

CONTACT TECHNOLOGY

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

ODU SPRINGTAC®



ODU LAMTAC®

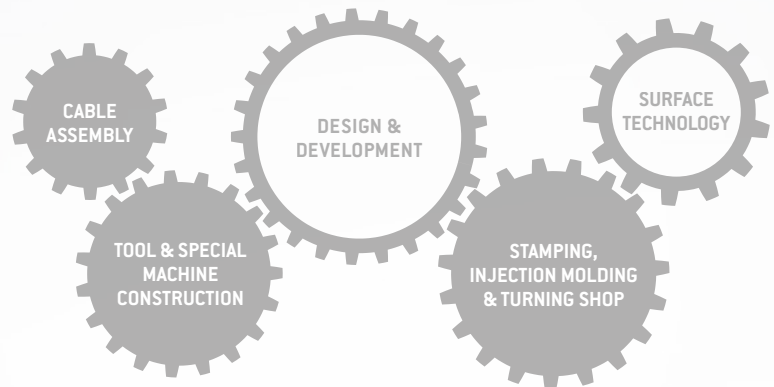
¹ These ODU specific connectors can transmit common data transmission protocols such as USB® 3.2 Gen1x1, USB® 2.0, HDMI®, Ethernet 1 Gbit/s and 10 Gbit/s, but they are not USB®, HDMI®- and Ethernet-standard connectors.

ADVANCED CUSTOMER BENEFITS

- + Rapid prototyping and product development
- + Local one-to-one engineering support
- + Rapid cable assembly manufacturing
- + Factory direct

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
- + Customized overmouldings for small batch series
- + Private labeling
- + ITAR regulated facility



SMALLER
LIGHTER
FASTER





A PERFECT ALLIANCE.

ODU GROUP WORLDWIDE



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

SALES LOCATIONS

ODU (Shanghai)

International Trading Co., Ltd.

Phone: +86 21 58347828-0

E-mail: sales@odu.com.cn

www.odu.com.cn

ODU Japan K.K.

Phone: +81 3 6441 3210

E-mail: sales@odu.co.jp

www.odu.co.jp

ODU-UK Ltd.

Phone: +44 330 002 0640

E-mail: sales@odu-uk.co.uk

www.odu-uk.co.uk

ODU Denmark ApS

Phone: +45 2233 5335

E-mail: sales@odu-denmark.dk

www.odu-denmark.dk

ODU Korea Inc.

Phone: +82 2 6964 7181

E-mail: sales@odu-korea.kr

www.odu-korea.kr

ODU-USA, Inc.

Phone: +1 805 484-0540

E-mail: sales@odu-usa.com

www.odu-usa.com

ODU France SARL

Phone: +33 1 3935-4690

E-mail: sales@odu.fr

www.odu.fr

ODU Romania Manufacturing S.R.L.

Phone: +40 269 704638

E-mail: sales@odu-romania.ro

www.odu-romania.ro

Further information and specialized representatives can be found at:

www.odu-connectors.com/contact

ODU Italia S.R.L.

Phone: +39 331 8708847

E-mail: sales@odu-italia.it

www.odu-italia.it

ODU Scandinavia AB

Phone: +46 176 18262

E-mail: sales@odu.se

www.odu.se

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



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