A PERFECT ALLIANCE.

ADVANCED CONNECTOR SOLUTIONS
VISION SYSTEMS

High definition connector solutions
ADVANCED CONNECTOR SOLUTIONS VISION SYSTEMS

ODU connector solutions respond to an increased market demand for embedded vision, an increased use in robotics and a rising demand for non-industrial applications such as medical imagery, security and surveillance, intelligent transportation systems and logistics.

The Advanced Connectors respond to all of the market requirements for vision systems:

- Lightweight
- Small & compact
- Watertight protection
- High-speed data transmission
- Easy to use
- Robust design
- Cost-effective cable solutions
- Standard design for low cost integration

ODU Advanced Connector Solutions are ideal for vision systems used in market applications such as:

NON INDUSTRIAL VISION
- Broadcasting
- Biomedical/medical diagnostics
- Biometrics
- Microscopy
- Defense/aerospace
- Environment/agriculture
- Surveillance/transportation

FACTORY AUTOMATION
- Automotive manufacturing
- Consumer goods
- Energy (oil, gas, solar, wind)
- Food and beverage
- General manufacturing
- Packaging
- Robotics
- Semiconductors/electronics
- Turn-key vision systems
- Web inspection

CUSTOMER BENEFITS
- Fast sample availability
- Rapid prototyping & product development
- Competitive lead time
- Local one-to-one engineering support
- Cross-connector capability
- German engineered for over 70 years
- Cable assembly integrated solutions
- Factory direct

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

HARSH ENVIRONMENTS

ODU AMC® HIGH-DENSITY

SIZE 00
USB® 2.0
480 Mbit/s

SIZE 0
USB® 3.1 Gen 1
5 Gbit/s

KEY FEATURES
- Push-Pull locking or Break-Away function
- Watertight protection class IP68 and IP69
- Various standard inserts available
- Lightweight, small and easy handling
- System solution – cable assembly and overmolding

HIGH-SPEED DATA TRANSMISSION

USB® 3.1 Gen 1
5 Gbit/s

KEY FEATURES
- Break-Away function for maximum safety
- High-speed data transfer USB® 3.1 Gen 1, USB® 2.0 and HDMI®
- Operating temperature range from -51°C to +125°C
- IP68 (up to 20M submersion)
- Up to 5,000 mating cycles durability
- Light, compact and easy to use
- Salt spray resistance
- Overmolded
- Turn-key solutions

ODU AMC®

NON-HARSH ENVIRONMENTS

ODU MINI-SNAP®

KEY FEATURES
- Push-Pull locking
- IP50 and IP68
- Up to 5,000 mating cycles durability
- Light, compact and easy to use
- Safe & secure locking mechanism
- Various housing & contact inserts
- Field termination
- Crimp contact configurations available

*These ODU specific connectors can transmit common data transmission protocols such as USB® 3.1 Gen1, USB® 2.0 and HDMI®, but they are not USB®- or HDMI®-standard connectors.
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