

Amphenol LTW

- IP67 mated, IP68 unmated
- Pre-assemble wire / cable assembly
- Connector interface meet ANSI / B93.55M-1981
- Customized solutions available

D-SUB

D-subminiature

Connector

**Fool-proof
alignment key design**



High Density

Screw thread, Automated latch
Metal



Standard

Screw thread, Automated latch
Metal

Unrivaled InterConnects for Harsh Environments

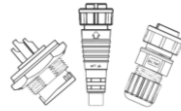
About ALTW

**3**

Production Sites
(Taiwan, China, Mexico)

**30+**

Market Applications

**90,000+**

Products

Since 1993, Amphenol LTW Technology “ALTW” lives and breathes to create, innovate, design and produce “***unrivaled interconnects for harsh environments***”. With over 300 worldwide patents, not only does ALTW offer the broadest and widest range of rugged interconnects in the industry but also customization with the mission of “Customer Satisfaction First”. Undoubtedly, ALTW is the leader in rugged interconnects, highly recognized for its uncompromising quality, short lead time, fast and tailored service and its very competitive pricing.

Regardless of the challenging environments that your products will be subject to; there is a very good chance that you will find what you are looking for with ALTW.

Unrivaled InterConnects for Harsh Environments

D-Sub Connector

The I/O connection system has been a common interface to electronic applications for a long time. These products are applied to nearly all markets & applications, from industrial control to telecommunications.

ALTW D-Sub connectors are developed in 5 different standard housing fit for standard/high-density pin contact & sealed for ingress protection up to IP68.

- ❖ IP67 / 68 mated or unmated
- ❖ Pre-assemble wire / cable assembly eliminates wiring errors
- ❖ Connector interface meet ANSI / B93.55M-1981
- ❖ Customized solutions available
- ❖ RoHS & REACH compliant



Product Range Overview

SUB SERIES	High Density	Standard
Mating Style	Screw Thread, Automated Latch	
Plastic Version	-	-
Metal Version	✓	✓
No. of Contacts	15 ~ 78	9 ~ 50
Plating of Contacts	Gold Plated	Gold Plated
Operating Voltage (AC/DC)	125V DC	125V DC
Nominal Current	2A	5A
Operating Temperature	Receptacle: -40°C ~ 105°C Overmolded with Cable: -40°C ~ 105°C Field Serviceable/Installable: -40°C ~ 105°C	
Fasten Style of Nut	Front	Front
Receptacle	✓	✓
Receptacle with Cable	-	-
Field Serviceable/Installable	✓	✓
Overmolded with Cable	✓	✓
Accessories	✓	✓
Mating Cycles (Pin Contact)	500	500
IP Rating	IP67, IP68	IP67, IP68
Salt Spray (Connector, Mated)	8h	8h
UV Resistant	-	-
Flammability Rating	-	-
Vibration Resistant	Frequency range 10 ~ 55Hz / Amplitude 1.52mm	
EMI Option	✓	✓
RoHS Compliant	✓	✓
REACH Compliant	✓	✓
Certifications	-	-
Applicable Wire Gauge	24 ~ 28 AWG	22 ~ 30 AWG

Served Markets & Applications

Market	Application	
Marine	• Navigation System: Auto-pilot, Chart Plotter, Sailing • Communication: Radio, AIS • Instrumentation & Monitoring: MFD	• Power Controller and Lighting System • Entertainment: Video, Audio, Decorative • Shipyard and Cruise Equipment
Broadband Wireless Access	• Access Point: LTE, 5G	
Industrial Automation	• Data Communication: Router, Switches • Industrial PC & Server, Controller, Switches	• Industrial Forklifts and Trucks
Renewable Energy	• Power Distribution Control System • Device Communication and Tracker	• Wind Turbine • Tidal Power Generation System
Heavy Equipment	• Instrumentation, Control, and Diagnostic Systems • Monitoring: Display, Camera, Imaging	• Safety System: ADAS, Telematics & Tracking • Communication and Electronic Toll Systems
Test Equipment	• Precision Surveying • Heavy-Duty Scales& Floor Scales	
Railway Mass Transit	• Navigation: GPS • Communication: Main Controller, In-vehicle Info	• Infotainment: Display, sound, monitor
Transporation	• Switch	
Medical Equipment	• Displays, Plotter, and Monitors • Non-Invasive Devices	
Automotive Diagnostics	• Remote Diagnostics • Auto-Crash Detection	• Roadside Assistance
UAV	• Drone: Commercial, Consumer, & Military	
Lifts & Materials Handling	• Forklift, Industrial Lift, Material Handling	
Remote Video Response Center	• Monitoring: Display ,CCTV, Dome, IP Camera • Detection: Auto-License Plate Recognition, Alarm	• Identification: Face detection, encoders • Peripherals: Junction boxes and cabling system
Autonomous	• Controller: Inertial Measurement Unit & Navigation • Imaging: Cameras, Monitors, Infotainment Display	• Navigation & Sensor: Lidar, Ultrasonic, IMU • System, Central Computer
Communication	• Transmitter and Receiver Equipment • Data: Router and Switches	• Base Station and Access Point
Rugged IT	• Communication Device • Rugged Notebook	

Contact Configuration

Standard D-SUB (5A)

9 Pin			15 Pin			25 Pin			37 Pin		50 Pin	
												
R	F	C	R	F	C	R	F	C	R	F	R	F

Hight Density D-SUB (2A)

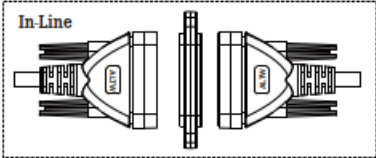
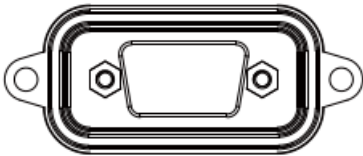
15 Pin			26 Pin			44 Pin			62 Pin		78 Pin	
												
R	F	C	R	F	C	R	F	C	R	F	R	F

R: Receptacle F: Field Serviceable/Installable C: Overmolded With Cable

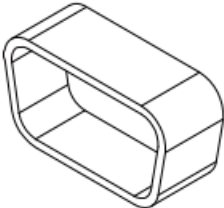
Accessory

(click the image to find more product information)

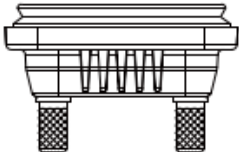
Joint



Dust Cap



Waterproof Cap





Amphenol LTW

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