

Amphenol LTW

- IP67 mated, IP68 unmated
- $\geq 1000\text{M}\Omega$ @ 500VDC insulation resistance rating
- Copper alloy, gold-plated contacts and steel, nickel-plated shell

DVI Connector

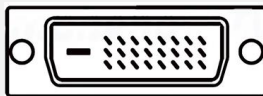
Digital
Visual
Interface

**High-quality
Signal Connector**



DVI-D Dual

Screw thread
Metal



DVI-D Single

Screw thread
Metal



DVI-I Dual

Screw thread
Metal



DVI-I Single

Screw thread
Metal



Unrivalled InterConnects for Harsh Environments

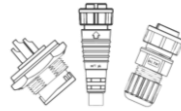
About ALTW

**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

DVI Connector

Amphenol LTW DVI Connectors feature a 1.5A current rating, a $\leq 20\text{m}\Omega$ contact resistance, and a $\geq 1000\text{M}\Omega$ @ 500VDC insulation resistance rating. These DVI Connectors have a copper alloy, gold-plated contacts and steel, nickel-plated shell. DVI Connectors offer the durability of 100 cycles and an IP68 waterproof rating on the receptacle.

- ❖ IP67 mated, IP68 unmated
- ❖ Frequency range 10 ~ 55Hz / Amplitude 1.52mm
- ❖ Operating Temperature up to -40°C ~ 105°C
- ❖ Mating Cycles 100 times
- ❖ RoHS & REACH compliant



SUB SERIES	DVI-D Dual	DVI-D Single	DVI-I Dual	DVI-I Single
Mating Style	Screw Thread	Screw Thread	Screw Thread	Screw Thread
Metal Version	✓	✓	✓	✓
No. of Contacts	25	19	29	23
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated	Gold Plated
Operating Voltage (AC/DC)	30V	30V	30V	30V
Nominal Current	1.5A	1.5A	1.5A	1.5A
Operating Temperature	Receptacle: -40°C ~ 105°C Overmolded With Cable: -20°C ~ 80°C			
Fasten Style of Nut	Front	Front	Front	Front
Receptacle	✓	✓	✓	✓
Overmolded with Cable	✓	✓	✓	✓
Accessories	✓	✓	✓	✓
Mating Cycles (Pin Contact)	100	100	100	100
IP Rating	IP67 / IP68	IP67 / IP68	IP67 / IP68	IP67 / IP68
Salt Spray (Connector, Mated)	8h	8h	8h	8h
Receptacle	Nut Torque Value: 3.5 ~ 5kgf.cm Recommend Panel Thickness: 2.0mm Max.			
Vibration Resistant	Frequency Range 10 ~ 55Hz / Amplitude 1.52mm			
RoHS Compliant	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓
Applicable Wire Gauge	28 ~ 30 AWG	28 ~ 30 AWG	28 ~ 30 AWG	28 ~ 30 AWG

Served Markets & Applications

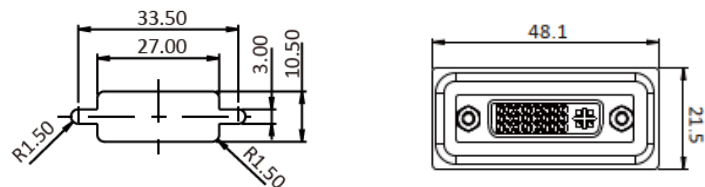


Market	Application	
Marine	Navigation System: Radar, GPS, Sonar, Fish-finder, Auto-pilot, Sailing Instruments	- Monitoring: MFD, CCTV - Entertainment: Video
Industrial Automation	- Data Communication: Server, Network - Industrial PC, Counters, and Display	
Heavy Equipment	- Navigation System: Lidar, Radar - Instrumentation, Control, and Diagnostic Systems - Monitoring: Display, Camera, Imaging	- Safety System: Sensor, ADAS, Telematics & Tracking - Communication and Electronic Toll Systems
Test Equipment	- Heavy-duty Scales - Weighing: Weigh, in-motion	Geodetic System: Surveying
Railway Mass Transit	- Navigation: GPS, Indicators - Infotainment System	Vehicle Monitoring
Transportation	Monitoring: Display ,CCTV, Surveillance Cam	Bus GPS
Medical Equipment	Visualization: Display and monitors	
Automotive Diagnostics	Remote Diagnostics	
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
Autonomous	Navigation : GPS	
Rugged IT	Communication Equipment	Military Notebook & Tablet



Panel Cut-Out & Accessory

Panel Cut-Out



(unit: mm)

Contact Configuration

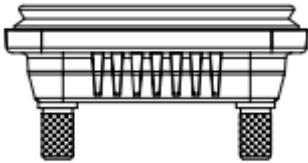
DVI-D Dual (DDD)	DVI-D Single (DDS)	DVI-I Dual (DID)	DVI-I Single (DIS)
25 Pin	19 Pin	29 Pin	23 Pin
Receptacle			
DDD-25PFFS-SL8001 (Solder)	DDS-19PFFS-SL8001 (Solder)	DID-29PFFS-SL8001 (Solder)	DIS-23PFFS-SL8001 (Solder)
		DID-29PFFP-SL8001 (PCB 180°)	DIS-23PFFP-SL8001 (PCB 180°)
Overmolded with Cable			
DDD-25AMMM-SL7AXX	DDS-19AMMM-SL7AXX	DID-29AMMM-SL7AXX	DIS-23AMMM-SL7AXX

XX: Cable Length (01) ~ (05) M

(click the image to find more product information)

Waterproof Cap

- ✓ Mating Pair: Receptacle
- ✓ Mating Style: Screw Thread
- ✓ Mating Pair (Gender): Male & Female
- ✓ Part Number: CAP-WDVCSPA1





Amphenol LTW

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