

Amphenol LTW

- Push Lock with latch or screw thread
- Frequency range 10 ~ 55Hz / Amplitude 1.52mm
- Operating temperature -20°C ~ +80°C
- Flammability UL 94V-0

HDMI Connector

IP67 Protection Class



Unrivalled InterConnects for Harsh Environments

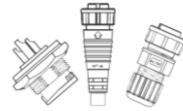
About ALTW

**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

Product Range Overview

SUB SERIES	Circular	Rectangular
Mating Style	Screw Thread	Push lock with latch
Plastic Version	✓	✓
Metal Version	-	-
No. of Contacts	19	19
Plating of Contacts	Gold Plating	Gold Plating
Operating Voltage (AC/DC)	30V (AC)	30V (AC)
Nominal Current	0.5A	0.5A
Operating Temperature	-20°C ~ 85°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	IP67
Salt Spray (Connector, Mated)	48h	48h
Nut Torque Value	5 ~ 8 kgf.cm	5 ~ 8 kgf.cm
Recommended Panel Thickness	2mm Min. (for Rectangle Type); 4mm Max. (for Rectangle / Circular Type)	
Vibration Resistant	Frequency Range 10 ~ 55Hz / Amplitude 1.52mm	
EMI Option	-	-
RoHS Compliant	✓	✓
REACH Compliant	✓	✓
Certifications	-	-
Applicable Wire Gauge	26 AWG	26 AWG

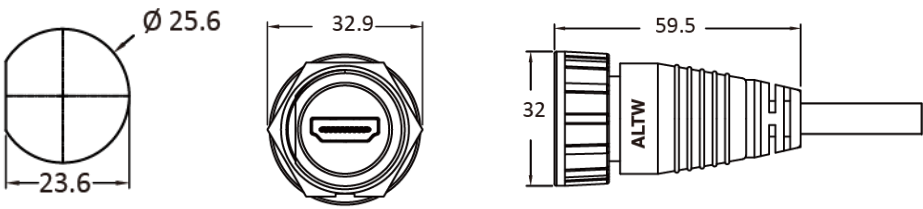
Served Markets & Applications

Market	Application	
Marine	• Navigation System: Radar, GPS, Sonar, Fish-finder, Auto-pilot, Sailing Instruments	• Monitoring: MFD, CCTV • Entertainment: Video, Audio
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 and 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 and 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, Lidar • Imaging: Cameras, Monitors, Infotainment Display	• Controller: Central Computer
Rugged IT	• Communication Equipment • Military Notebook and Tablet	

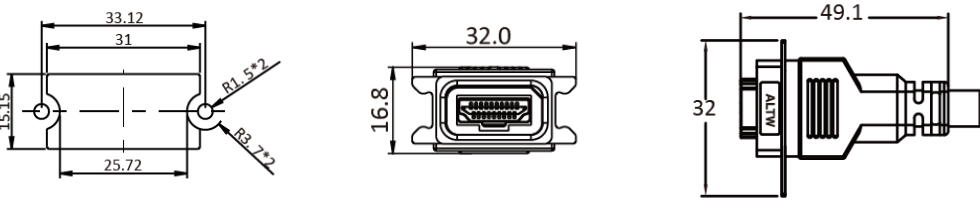


Panel Cut-Out & Part Number

Circular Type

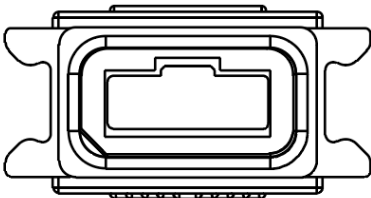
 (unit: mm)				
Receptacle Nut Thread	Contact Gender	Ferrule Type	Part Number	Mating Style
1 inch – 20 UNEF	Female	Mated Waterproof	HP-19AFMM-SL7AXX	Screw thread
	Male		HJ-19PMFP-SC7001	

Rectangular Type

				
Receptacle Nut Thread	Contact Gender	Assembly Style	Part Number	Mating Style
M2.5*0.45	Male	PCB 90°	HJ-19PFFR-QS7001	Push lock with latch

Accessory

(click the image to find more product information)

	
	Waterproof Cap
Mating Pair:	Receptacle
Mating Style:	Push Lock with Latch
Mating Pair (Gender):	Female
Part Number:	CAP-WHDFHPA1



Amphenol LTW

Contact Us

Luc Kan | Sales & Marketing | luc@ltw-tech.com

Customer Service | sales@ltw-tech.com

Follow Us



Unrivaled InterConnects for Harsh Environments