Amphenol Industrial

Amphenol LTW
Innovation in Waterproof Solution
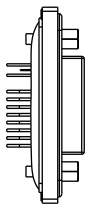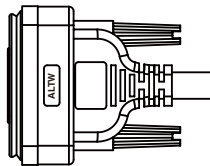
CATALOGUE

DVI Connector

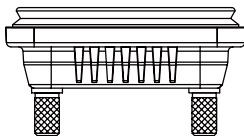
Range Overview

↘ Receptacle to Overmolded with Cable

Receptacle

Overmolded with Cable

↘ Accessories

Waterproof Cap

Specification

Identifications	DVI-D Single Link **(DDS)**: Digital DVI-D Dual Link **(DDD)**: Digital DVI-I Single Link **(DIS)**: Digital and Analog DVI-I Dual Link **(DID)**: Digital and Analog
Description	Receptacle Overmolded with Cable
Current Rating / Data	1.5A
Material	Contacts: Cooper Alloy, Gold Plated Connector Body (Housing): Nylon + GF, UL Recognized Shell: Steel, Nickel Plated
Waterproof Rating	Receptacle: IP68 Overmolded with Cable: IP67
Temperature Range	Receptacle: -20°C~80°C Overmolded with Cable: -20°C~80°C
Contact Resistance	$\leq$ 20mΩ
Insulation Resistance	$\geq$ 1000MΩ at DC500V
Durability	100 cycles
Breakdown Voltage	$\geq$ AC 500V / 1 minute
More to know	Standard Cable Length: 01~05M

【Note】Design and specification are subject to change without notice.

Ordering Information

①—② ③ ④ ⑤ ⑥—⑦ ⑧ ⑨ ⑩

Specification
(DIS) DVI-I Single Link   **(DDS)** DVI-D Single Link
(DID) DVI-I Dual Link   **(DDD)** DVI-D Dual Link

* For digital and analog, please choose DVI-I
* For digital only, please choose DVI-D

Number of Contacts
19, 23, 25, 29... Contacts
e.g.19 Pin = **(19)**

Connector Body (Style)
> For Receptacle   > For Overmolded with Cable
(P) Front Fastened   **(A)** With Strain Relief

Connector (Housing) Gender
(M) Male   **(F)** Female

Contact Gender
(M) Male   **(F)** Female

Assemble Style
> For Receptacle   > For Overmolded with Cable
(S) Solder Type   **(P)** Front Fastened   **(M)** Overmolded with Cable

Mating Style
(S) Screw Thread

Backshell
> For Receptacle   > For Overmolded with Cable
(L) Straight / Without Board Lock   **(L)** Straight

Waterproof Rating
(7) IP 67
(8) IP 68

More Information
> For Receptacle   > For Overmolded with Cable
(001), **(002)**……   (☐)+(■) : Cable Type + Cable Length
Without Cable : Different Versions   e.g. **(A01)** = UL20276 Cable + 1M

(☐) : Cable Type   (■) : Cable Length
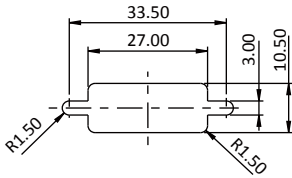**(A)** UL20276   From 1M to 5M
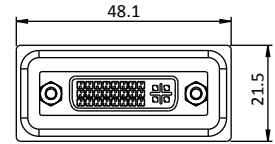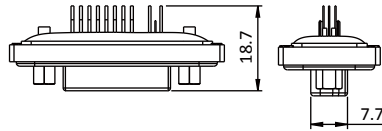28AWG/PVC   e.g. **(01)** = 1M

Physical Dimension

⊿ Receptacle

Terminal: Solder Type

Panel Cut-Out

Connector Dimension

33.50
27.00
3.00
10.50
R1.50
R1.50

18.7

7.7

48.1
21.5
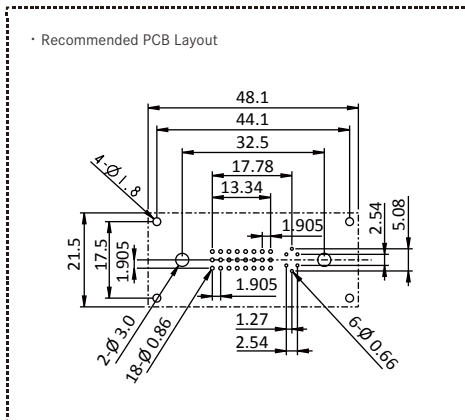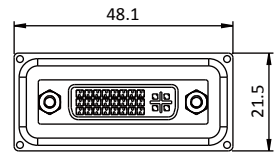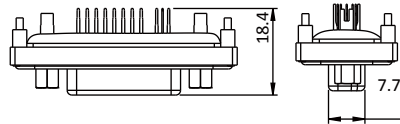
Terminal: PCB Type

Panel Cut-Out
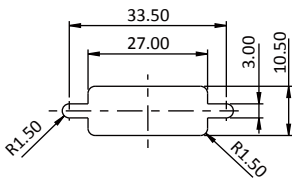
Connector Dimension

33.50
27.00
3.00
10.50
R1.50
R1.50

18.4

7.7

48.1
21.5

· Recommended PCB Layout

48.1
44.1
32.5
17.78
13.34
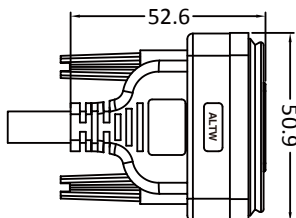1.905
2.54
5.08
4-∅1.8
21.5
17.5
1.905
2-∅3.0
18-∅0.86
1.905
1.27
2.54
6-∅0.66

* Unit: mm

* The dimension is feasible for DVI-D Single Link(DDS), DVI-D Dual LInk(DDD), DVI-D Singel Link(DIS), and DVI-D Dual LInk(DID)

⊿ Overmolded with Cable
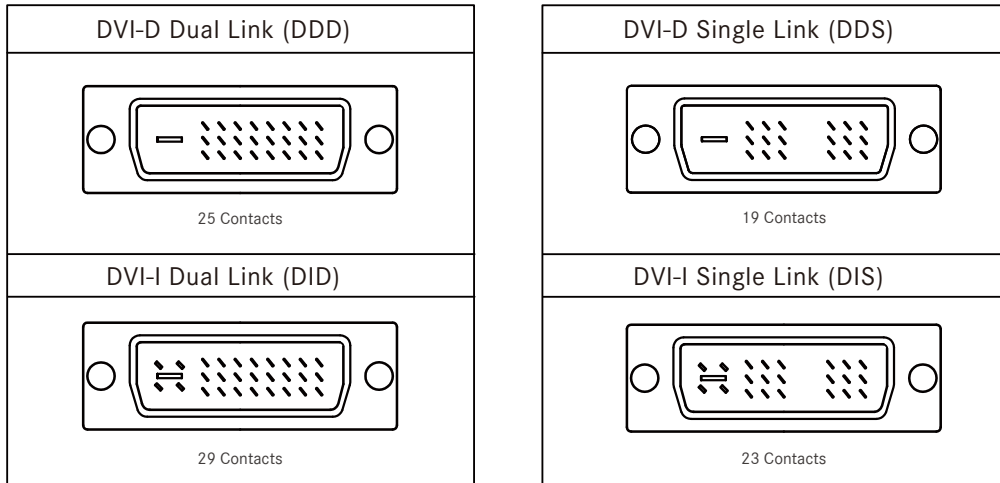
52.6
60.5
ALTW

* Unit: mm

* The dimension is feasible for DVI-D Single Link(DDS), DVI-D
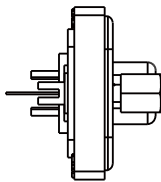 Dual LInk(DDD), DVI-D Singel Link(DIS), and DVI-D Dual LInk(DID)

【Note】 Design and specification are subject to change without notice.
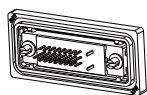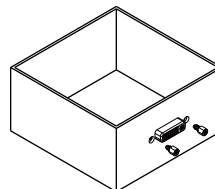
Contact Configuration

DVI-D Dual Link (DDD)	DVI-D Single Link (DDS)
25 Contacts	19 Contacts
DVI-I Dual Link (DID)	DVI-I Single Link (DIS)
29 Contacts	23 Contacts

Product Features

↘ Receptacle

Mating Style ❼

Screw Thread **(S)**

Connector Body(Style) ❸

Front Fastened **(P)**

Backshell ❽

Straight **(L)**

↘ Overmolded with Cable
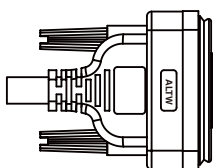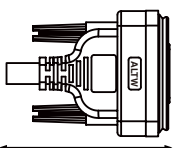
Mating Style ❼
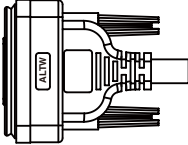
Screw Thread **(S)**

Connector Body(Style) ❸
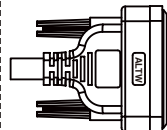
With Strain Relief **(A)**

Backshell ❽

Straight **(L)**

Find Our Standard Products

↘ Receptacle and Mating Pair

• Female Connector (Housing) • Female Contacts • Screw Thread • Terminal: Solder Type	Receptacle ---------→ Overmolded with Cable →		Field Installable
Code	Female Connector **(F)** Female Contacts **(F)**	Male Connector **(M)** Male Contacts **(M)**	Male Connector **(M)** Male Contacts **(M)**
DVI-D Single Link **(DDS)**	DDS-19PFFS-SL8001	DDS-19AMMM-SL7AXX*	-
DVI-D Dual Link **(DDD)**	DDD-25PFFS-SL8001	DDD-25AMMM-SL7AXX*	-
DVI-I Single Link **(DIS)**	DIS-23PFFS-SL8001	DIS-23AMMM-SL7AXX*	-
DVI-I Dual Link **(DID)**	DID-29PFFS-SL8001	DID-29AMMM-SL7AXX*	-

【Note】For digital and analog, please choose DVI-I
　　　　For digital only, please choose DVI-D

* XX: Choose UL20276 cable and select the cable length from 01~05m
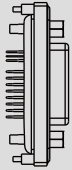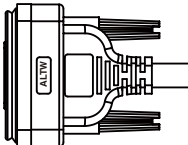
↘ Receptacle and Mating Pair

• Female Connector (Housing) • Female Contacts • Screw Thread • Terminal: PCB Type	Receptacle ---------→ Overmolded with Cable →		Field Installable
Code	Female Connector **(F)** Female Contacts **(F)**	Male Connector **(M)** Male Contacts **(M)**	Male Connector **(M)** Male Contacts **(M)**
DVI-D Single Link **(DDS)**	DDS-19PFFP-SL8001	DDS-19AMMM-SL7AXX*	-
DVI-D Dual Link **(DDD)**	DDD-25PFFP-SL8001	DDD-25AMMM-SL7AXX*	-
DVI-I Single Link **(DIS)**	DIS-23PFFP-SL8001	DIS-23AMMM-SL7AXX*	-
DVI-I Dual Link **(DID)**	DID-29PFFP-SL8001	DID-29AMMM-SL7AXX*	-

【Note】For digital and analog, please choose DVI-I
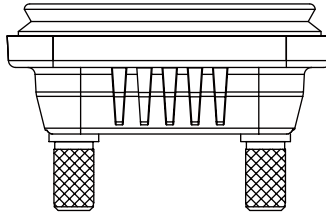　　　　For digital only, please choose DVI-D

* XX: Choose UL20276 cable and select the cable length from 01~05m

【Note】Design and specification are subject to change without notice.

Accessories

↘ Waterproof Cap

Customized – Upon Request

Type	Mating Pairs	Mating Style	Mating Pair (Gender)	P/N
DVI	Receptacle	Screw Thread	Male & Female	CAP-WDVCSPA1