Amphenol LTW
Innovation in Waterproof Solution

CATALOGUE

http://www.amphenolltw.com
DVI Connector

Range Overview

- Receptacle to 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 | ≤ 20mΩ  
| Insulation Resistance | ≥ 1000MΩ at DC500V  
| Durability      | 100 cycles  
| Breakdown Voltage | ≥ AC 500V / 1 minute  
| More to know    | Standard Cable Length: 01~05M  

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

### 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

### Connector (Housing) Gender

- (M) Male
- (F) Female

### Contact Gender

- (M) Male
- (F) Female

### Assemble Style

- > For Receptacle
- > For Overmolded with Cable

### Matting 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)......

- Without Cable: Different Versions

- e.g. (A01) = UL20276 Cable + 1M

- (A) UL20276
- 28AWG/PVC

- e.g. (01) = 1M

- (□) : Cable Type
- (■) : Cable Length

- From 1M to 5M
Physical Dimension

Receptacle

Terminal: Solder Type

Panel Cut-Out

Connector Dimension

Terminal: PCB Type

Panel Cut-Out

Connector Dimension

Recommended PCB Layout

* 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

* 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

<table>
<thead>
<tr>
<th>DVI-D Dual Link (DDD)</th>
<th>DVI-D Single Link (DDS)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="DVI-D Dual Link (DDD)" /></td>
<td><img src="image" alt="DVI-D Single Link (DDS)" /></td>
</tr>
<tr>
<td>25 Contacts</td>
<td>19 Contacts</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DVI-I Dual Link (DID)</th>
<th>DVI-I Single Link (DIS)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="DVI-I Dual Link (DID)" /></td>
<td><img src="image" alt="DVI-I Single Link (DIS)" /></td>
</tr>
<tr>
<td>29 Contacts</td>
<td>23 Contacts</td>
</tr>
</tbody>
</table>

# Product Features

## Receptacle

- **Mating Style**
  - 7
  - Screw Thread (S)

- **Connector Body (Style)**
  - 3
  - Front Fastened (P)

## Overmolded with Cable

- **Mating Style**
  - 7
  - Screw Thread (S)

- **Connector Body (Style)**
  - 3
  - With Strain Relief (A)
### Find Our Standard Products

#### Receptacle and Mating Pair

**Female Connector**  
- (Housing)  
- Female Contacts  
- Screw Thread  
- Terminal: Solder Type

**Overmolded with Cable**  

**Field Installable**

<table>
<thead>
<tr>
<th>Code</th>
<th>Female Connector (F)</th>
<th>Male Connector (M)</th>
<th>Male Connector (M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVI-D Single Link (DDS)</td>
<td>DDS-19PFFS-SL8001</td>
<td>DDS-19AMMM-SL7AXX*</td>
<td>-</td>
</tr>
<tr>
<td>DVI-D Dual Link (DDD)</td>
<td>DDD-25PFFS-SL8001</td>
<td>DDD-25AMMM-SL7AXX*</td>
<td>-</td>
</tr>
<tr>
<td>DVI-I Single Link (DIS)</td>
<td>DIS-23PFFS-SL8001</td>
<td>DIS-23AMMM-SL7AXX*</td>
<td>-</td>
</tr>
<tr>
<td>DVI-I Dual Link (DID)</td>
<td>DID-29PFFS-SL8001</td>
<td>DID-29AMMM-SL7AXX*</td>
<td>-</td>
</tr>
</tbody>
</table>

*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

**Overmolded with Cable**  

**Field Installable**

<table>
<thead>
<tr>
<th>Code</th>
<th>Female Connector (F)</th>
<th>Male Connector (M)</th>
<th>Male Connector (M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVI-D Single Link (DDS)</td>
<td>DDS-19PFFP-SL8001</td>
<td>DDS-19AMMM-SL7AXX*</td>
<td>-</td>
</tr>
<tr>
<td>DVI-D Dual Link (DDD)</td>
<td>DDD-25PFFP-SL8001</td>
<td>DDD-25AMMM-SL7AXX*</td>
<td>-</td>
</tr>
<tr>
<td>DVI-I Single Link (DIS)</td>
<td>DIS-23PFFP-SL8001</td>
<td>DIS-23AMMM-SL7AXX*</td>
<td>-</td>
</tr>
<tr>
<td>DVI-I Dual Link (DID)</td>
<td>DID-29PFFP-SL8001</td>
<td>DID-29AMMM-SL7AXX*</td>
<td>-</td>
</tr>
</tbody>
</table>

*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.
## Waterproof Cap

<table>
<thead>
<tr>
<th>Type</th>
<th>Mating Pairs</th>
<th>Mating Style</th>
<th>Mating Pair (Gender)</th>
<th>P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVI</td>
<td>Receptacle</td>
<td>Screw Thread</td>
<td>Male &amp; Female</td>
<td>CAP-WDVCS-SPA1</td>
</tr>
</tbody>
</table>