

# DVI Connectors

A multi-pole connector used for Computer and Audio Visual (AV) applications.

There are various types of DVI connector:

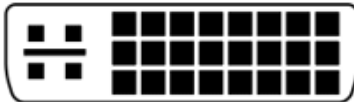
- DVI-I Integrated Digital & Analogue
- DVI-D Digital only
- DVI-A Analogue



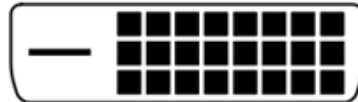
DVI-I (Single Link)



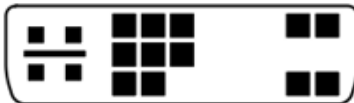
DVI-D (Single Link)



DVI-I (Dual Link)

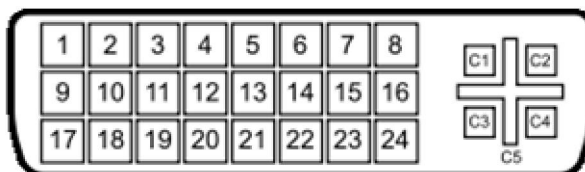


DVI-D (Dual Link)



DVI-A

The DVI-A connector supports analogue RGB and HV syncs.  
Male connectors shown above, female connector shown below.



## DVI Connectors – page 2

Pin	Signal	Function
1	TMDS Data 2-	Digital red - (Link 1)
2	TMDS Data 2+	Digital red + (Link 1)
3	TMDS Data 2/4 Shield	
4	TMDS Data 4-	Digital green - (Link 2)
5	TMDS Data 4+	Digital green + (Link 2)
6	DDC Clock	
7	DDC Data	
8	Analogue V sync	Analogue Vertical Sync
9	TMDS Data 1-	Digital green - (Link 1)
10	TMDS Data 1+	Digital green + (Link 1)
11	TMDS Data 1/3 Shield	
12	TMDS Data 3-	Digital blue - (Link 2)
13	TMDS Data 3+	Digital blue + (Link 2)
14	+5V Stdby Pwr	Power for Monitor in Standby
15	Ground	Power & Sync Ground
16	Hot Plug Detect	
17	TMDS Data 0-	Digital blue - (Link 1)
18	TMDS Data 0+	Digital blue + (Link 1)
19	TMDS Data 0/5 Shield	
20	TMDS Data 5-	Digital red - (Link 2)
21	TMDS Data 5+	Digital red + (Link 2)
22	TMDS Clock Shield	
23	TMDS Clock+	Data Clock +
24	TMDS Clock-	Data Clock -
C1	Analogue Red	Analogue Red
C2	Analogue Green	Analogue Green
C3	Analogue Blue	Analogue Blue
C4	Analogue H sync	Analogue Horizontal Sync
C5	Analogue Ground	Analogue Ground