

Signal Pin assignments Table

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S.Data2-	9	T.M.D.S.Data1-	17	T.M.D.S.Data0-
2	T.M.D.S.Data2+	10	T.M.D.S.Data1+	18	T.M.D.S.Data0+
3	T.M.D.S.Data2/4 Shield	11	T.M.D.S.Data1/3 Shield	19	T.M.D.S.Data0/5 Shield
4	T.M.D.S.Data4-	12	T.M.D.S.Data3-	20	T.M.D.S.Data5-
5	T.M.D.S.Data4+	13	T.M.D.S.Data3+	21	T.M.D.S.Data5+
6	DDC Clock	14	+5V Power	22	T.M.D.S.Clock Shield
7	DDC Data	15	Ground(return for +5V, HSync, and Vsync)	23	T.M.D.S.Clock+
8	Analog Vertical Sync	16	Hot Plug Detect	24	T.M.D.S.Clock-
C1	Analog Red	C2	Analog Green	C3	Analog Blue
C4	Analog Horizontal Sync	C5	Analog Green (analog R,G,&B return)		

**NOTES:**

**1. Material:**

Body: Nylon66+30%G.F, UL 94V-0 Rated.  
 Color: White.  
 Latch: Nylon66+30%G.F, UL 94V-0 Rated.  
 Color: White.  
 Contact: Brass.  
 Plating: Gold Plating over Nickel on Contact Area.  
 Tin Plating on Solder Tail.  
 Shell: SPCC.  
 Plating: Full Nickel Plating.

**2. Mechanical:**

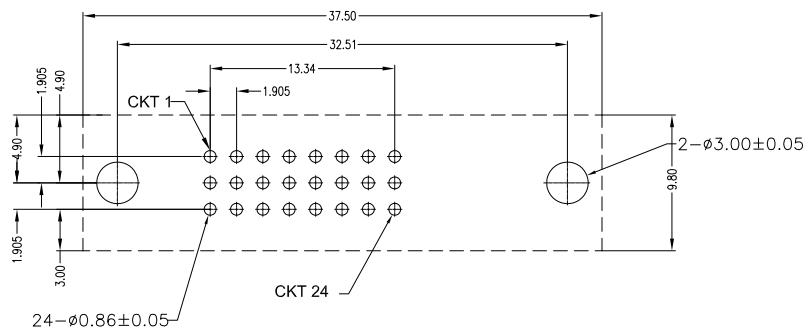
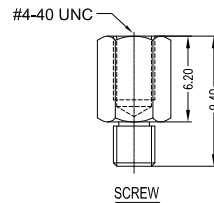
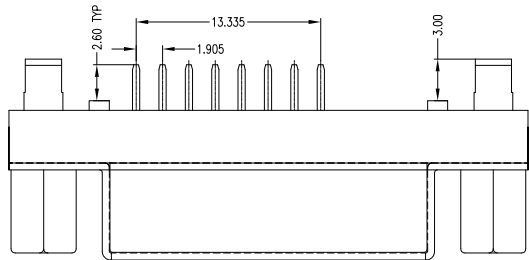
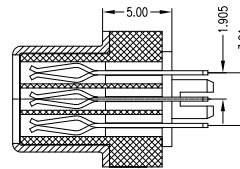
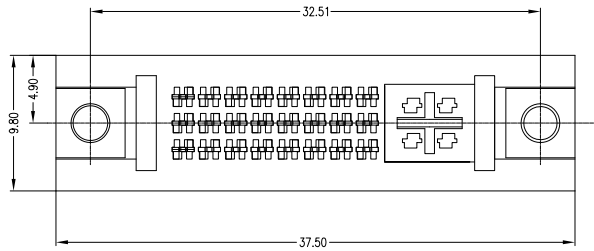
Mating Force: 4.5Kg Max @ 25mm/Munite.  
 Unmating Force: 1.0Kg Min and 4.0Kg Max @ 25mm/Munite.  
 Durability: 100 Cycles

**3. Electrical Specification:**

Current Rating: 1.5 Ampere per Contact.  
 Shell Resistance: 50mΩ Max Initial, 50mΩ Max.  
 Contact Resistance: 20mΩ Max.  
 Insulation Resistance: 1000MΩ Min.  
 Dielectric Withstanding Voltage: 500V DC RMS ± 50V, 60 HZ.

**4. Environmental:**

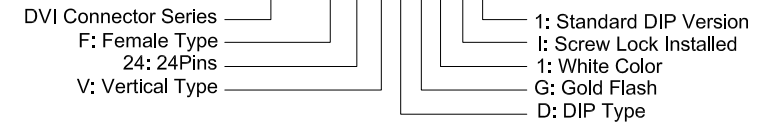
Operating Temperature: -20°C to +85°C




P.C.B. Layout  
TOP VIEW

**Part Number:**

**CDVI- F24VDG1-I1**



A	06/29/09	RELEASED FOR PRODUCTION		DESCRIPTION			
REV	DATE	DESCRIPTION					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM TOLERANCES ARE:		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		 <b>凱聯科技股份有限公司</b> <b>Conn-Link Technology Inc.</b>			
DECIMALS ANGLES		APPROVALS	DATE			DESCRIPTION <b>DVI-I Connector, 24Pins, Female Type</b> <b>Vertical, DIP=2.60mm, Screw Lock Installed</b>	
.X ± .38	± 3°	DRAWN	Chris				06/29/09
.XX ± .25		CHECKED	Cindy				06/29/09
.XXX ± .20		APPV	Jason	06/29/09			
DO NOT SCALE DRAWING		SHEET	1 OF 1	SCALE	NONE		
		DWG. NO.	CDVI-F29-VI1		REV. A		