

INTRODUCTION:

Adam Tech DVI series Digital Visual Interface connectors are the standard digital interface for flat panels, video graphics cards, monitors, and HDTV units. This series includes DVI-D (Digital), DVI-A (Analog) and DVI-I (Integrated Digital/Analog) Their unique crossing ground blades provide high speed performance at low cost. They are available in Straight or Right Angle PCB mount receptacles and mating male cable connectors. They support a data transfer rate of 4.95Gbps with a dielectric withstanding voltage of 500VAC. Each version features our specially designed contacts which improve signal performance and a zinc alloy shield that reduces electromagnetic interference (EMI).

FEATURES:

- Supports Analog and Digital signals
- Offers excellent EMI/RFI performance
- Plug and Play interface
- Supports high bandwidth up to 2.5 GHz analog signal
- Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech DVI connectors and all industry standard DVI connectors.

SPECIFICATIONS:

Material:

Standard insulator: PA66, Glass filled, rated UL94V-0
 Optional Hi-Temp insulator: Nylon 6T rated UL94V-0
 Insulator Color: White, (Black optional)
 Contacts: Phosphor Bronze
 Shell: Steel, Nickel Plated

Contact Plating:

Gold over Nickel underplate on mating area,
 Tin over Copper underplate on tails

Electrical:

Operating Voltage: 250V AC
 Current Rating: 1.5 Amps max.
 Contact Resistance: 20 mΩ max. initial
 Insulation Resistance: 1000 MΩ min.
 Dielectric Withstanding Voltage: 500V AC for 1 minute

Mechanical:

Insertion force: 10 lb max.
 Withdrawal force: 2.2 lb. min.
 Durability: 100 cycles

Temperature Rating:

Operating Temperature: -20°C to +85°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

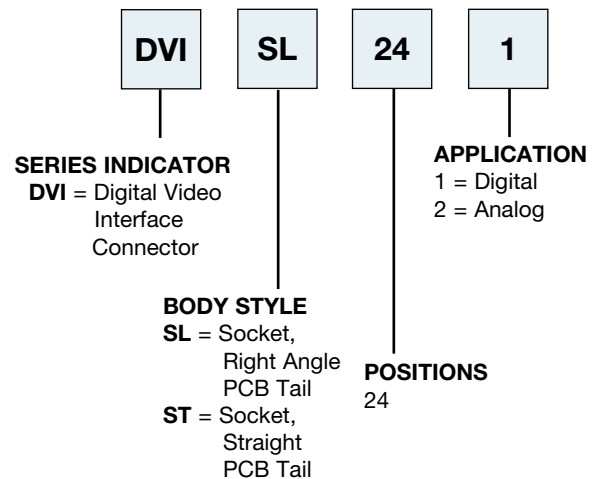
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION



OPTIONS:

Add designator(s) to end of part number
BK = Insulator color black
JS = Jackscrews Installed
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

<p>1.480 [37.60] 1.280 [32.51] .075 [1.91] 2X #4-40 .386 [9.80] .150 [3.81] .249 [6.32] .946 [24.03] Ø.110 [2.80] .197 [5.00] .050 [1.27] .305 [7.76]</p>	<p>DVI-ST-24-2</p> <p>Recommended PCB Layout 1.280 [32.51] .075 [1.90] .050 [1.27] .0750 [1.905] .034 [0.86] Ø.026 [0.66] Ø.076 [1.93] .200 [5.08] .150 [3.81] .525 [13.33] .100 [2.54]</p>
<p>1.480 [37.60] .695 [17.65] .946 [24.03] 1.280 [32.51] .526 [13.37] .075 [1.905] 2X #4-40 .386 [9.80] .075 [1.905] Ø.067 [1.70] .750 [19.05] 1.208 [30.70] .305 [7.76] .250 [6.35] .108 [2.75] .280 [7.11]</p>	<p>DVI-SL-24-2</p> <p>Recommended PCB Layout 1.210 [30.73] .075 [1.905] .075 [1.90] .035 [0.90] .100 [2.54] .200 [5.08] .075 [1.90] Ø.076 [1.93] .750 [19.05] Ø.031 [0.80] PCB EDGE</p>
<p>1.480 [37.60] .695 [17.65] .946 [24.03] 1.280 [32.51] .526 [13.37] .075 [1.905] 2X #4-40 .386 [9.80] .075 [1.905] Ø.067 [1.70] .750 [19.05] 1.208 [30.70] .305 [7.76] .250 [6.35] .108 [2.75] .280 [7.11]</p>	<p>DVI-SL-24-1</p> <p>Recommended PCB Layout 1.210 [30.73] .075 [1.905] .075 [1.90] .035 [0.90] .130 [3.30] .075 [1.90] Ø.076 [1.93] .750 [19.05] PCB EDGE</p>