

Digital Video Interface

SPECIFICATIONS

MATERIALS

<b>Shell</b>	Zinc Alloy #3, Finish: 100µ"(2.54µm) min. of nickel
<b>Boardlock</b>	SPCC, 100µ"(2.54µm) min. of tin/lead
<b>Insulator</b>	P.B.T., 30% glass-filled, UL94V-0 rated
<b>Hex Screwlock</b>	Brass, 50µ"(1.27µm) min. of nickel
<b>Contact</b>	Phosphor bronze C521 OR-H per QQ-B-750
<b>Mating Area</b>	Selective gold, including gold flash, 10µ"(0.25µm) of gold, 15µ"(0.4µm) of gold and 30µ"(0.76µm) of gold
<b>Termination Area</b>	100µ"(2.54µm) min. of tin-lead
<b>Underplate</b>	50µ"(1.27µm) min. nickel
<b>Ground Blade</b>	Phosphor bronze C5191 R-H

MECHANICAL SPECIFICATION

Mating and Unmating Force

Mating force	9.92 lb. (4.5 kg.) per connector maximum
Unmating force	2.20 lb. (1 kg.) minimum, 8.82 lb. (4 kg.) maximum per connector

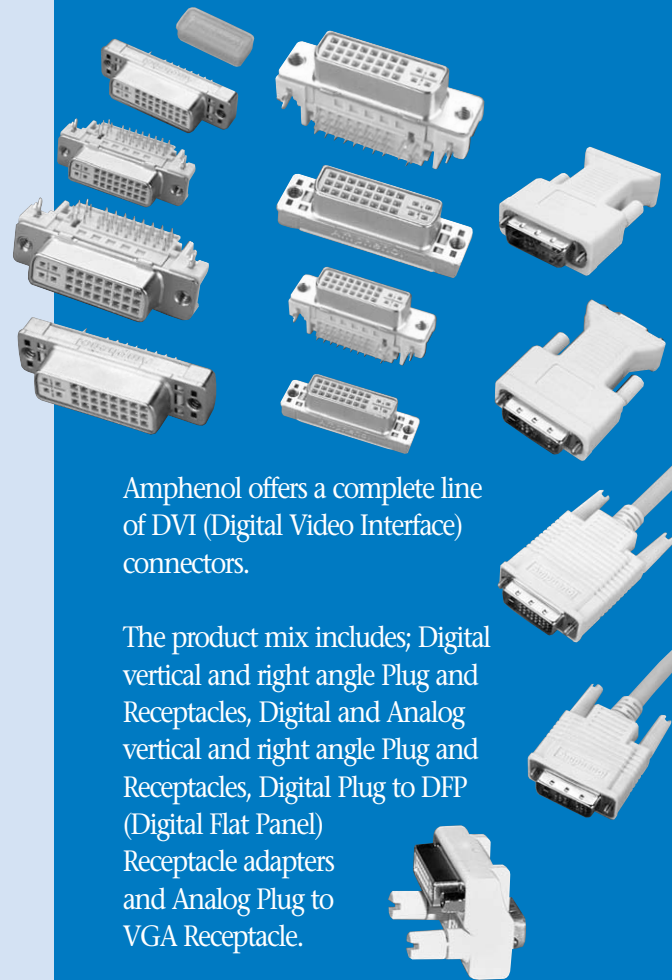
Mechanical Shock

Condition	EIA-364-27, condition A. (Specified pulse). No discontinuity at 1µs or longer (each contact) when continuity is tested per EIA-364-46.
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Durability

Condition	EIA-364-09, mated and unmated connectors for 100 cycles at a rate of 100 +/-50 cycles per hour. There shall be no physical damage and shall meet requirements of subsequent tests.
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CONNECTORS



Amphenol offers a complete line of DVI (Digital Video Interface) connectors.

The product mix includes; Digital vertical and right angle Plug and Receptacles, Digital and Analog vertical and right angle Plug and Receptacles, Digital Plug to DFP (Digital Flat Panel) Receptacle adapters and Analog Plug to VGA Receptacle.

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<b>DVI Connectors</b> Digital Video Interface, PCB Mount & Receptacle	<b>Variation Code</b> Blank:Standard
<b>Connector Style</b> A: Right Angle PCB Mount B: Straight PCB Mount	<b>Flange Mount Options</b> 0: Without Hex Screwlock 1: With #4-40UNC Hex Screwlock Bulk-packed 2: With #4-40UNC Hex Screwlock Installed
<b>Signal Interface Option</b> 1: Analog & Digital 2: Digital only	<b>Board Mount Option</b> 1: Arrowhead Boardlock (For Straight PCB Mount Versions only) 2: Grounding Posts and Locators 3: Arrowhead Boardlock (ø 0.075" (1.93) and locators 4: Arrowhead Boardlock (ø 0.124" (3.17) and locators
<b>Contact Finish</b> 0: Gold Flash 2: 20µ" (0.51µm) Gold 1: 10µ" (0.25µm) Gold 3: 30µ" (0.76µm) Gold	

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<b>DVI Connectors</b> Digital Video Interface, Cable Mount Plug	<b>Variation Code</b> Blank:Standard 1: With EMI shield Can (GT27C010) 2: With EMI shield Can (GT27C010) Screw (GT127C008)
<b>Signal Interface Option</b> 1: Analog & Digital, 24 Position 2: Analog & Digital, 18 Position 3: Analog 12 Position 4: Digital 24 Position 5: Digital 18 Position	<b>Front: Shell Finish</b> 1: Nickel Plated 2: Tin Plated
	<b>Contact Finish</b> 0: Gold Flash 2: 10µ" (0.25µm) Gold 4: 30µ" (0.76µm) Gold 1: 5µ" (0.13µm) Gold 3: 20µ" (0.51µm) Gold