

Digital Video Interface

SPECIFICATIONS

MATERIALS

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

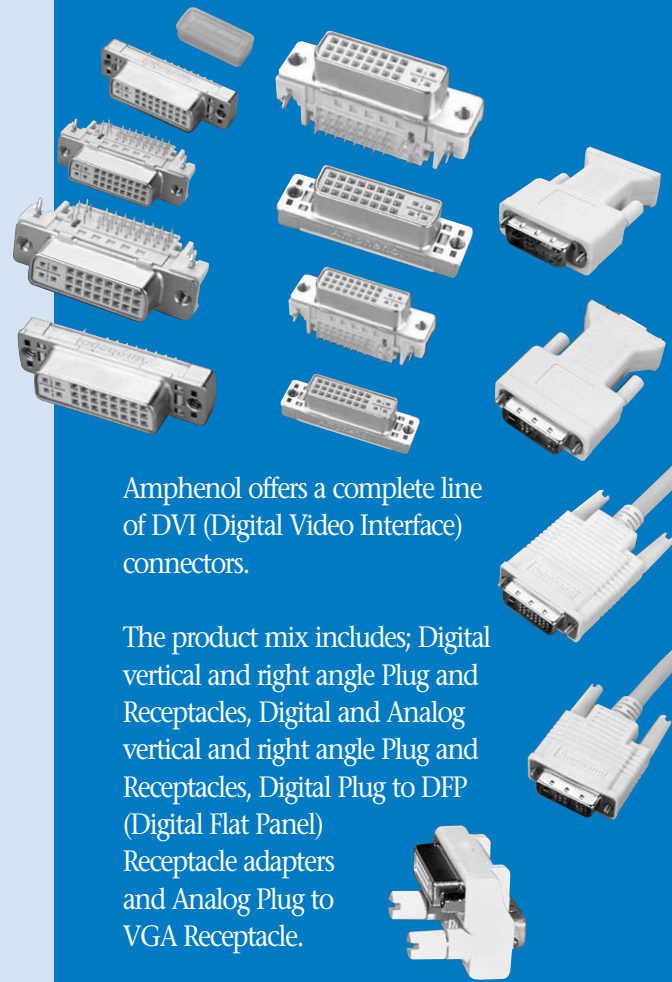
Mechanical Shock

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.

G12 - X - X - X - X - X - X

DVI Connectors Digital Video Interface, PCB Mount & Receptacle	Variation Code Blank: Standard
Connector Style A: Right Angle PCB Mount B: Straight PCB Mount	Flange Mount Options 0: Without Hex Screwlock 1: With #4-40UNC Hex Screwlock Bulk-packed 2: With #4-40UNC Hex Screwlock Installed
Signal Interface Option 1: Analog & Digital 2: Digital only	Board Mount Option 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
Contact Finish 0: Gold Flash 2: 20µ" (0.51µm) Gold 1: 10µ" (0.25µm) Gold 3: 30µ" (0.76µm) Gold	

G12C - X - X - X - X

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