DVI Connectors

Transfer High-resolution Video Signals with Omron's DVI-compliant Digital Visual Interface Connectors.

- Used for both digital video (TMDS) and conventional analog (RGB) signals.
- Omron's DVI Connector is an analog interface capable of up to 2.5-GHz bandwidths.
- Transfers broadband data up to 9.9 GHz (dual link) to ensure full compatibility with advanced broadband applications.
- Shielded against EMI for high-speed data transfer.
- Digital and digital/analog models available.



Ordering Information

Туре		Digital	Digital/Analog							
Accessories	No anchors	Inch screws, length = 5.8 mm	No anchors	Inch screws, length = 5.8 mm						
Model	XM4M-2432-5012	XM4M-2432-1312	XM4M-2932-5012	XM4M-2932-1312						
Appearance										

Note: The housing is black if the number 1 follows the model number.

Ratings and Characteristics

Туре	Digital	Digital/Analog							
Item									
No. of contacts	24	29							
Terminals	Right-angle DIP								
Color	Black or natural								
Rated current	1.5 A								
Rated voltage	40 VAC								
Contact resistance	30 m Ω max. (at 20 mVDC, 100 mA max.)								
Insulation resistance	1,000 MΩ min. (at 500 VDC)								
Withstand voltage	500 VDC for 1 min. (leakage current: 1 mA max.)								
Ambient temperature	Operating: – 20°C to 85°C (with no icing or condensation)								
	Storage: – 20°C to 85°C								

Materials and Finish

Housing		Fiber-glass reinforced PBT resin (UL94V-0)/black or natural					
Cover		Fiber-glass reinforced PBT resin (UL94V-0)/black or natural					
Contact	Mating end	Copper alloy/nickel base, 0.76- μm gold plating					
	Terminal	Copper alloy/nickel base, tin plating					
Shell		Copper/nickel plated					
Anchors		Brass/nickel plated					
Grounding	Fixture	Copper alloy/nickel, tin plated					

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Pin 24

1.905 ±0.05 - 13.335 ±0.1

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24, 0.86 ^{+0.1} dia.

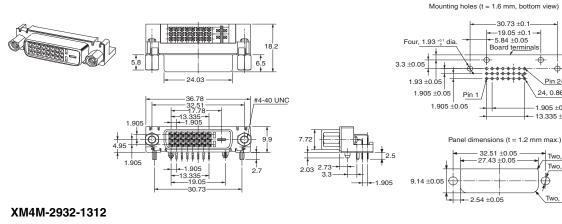
Two, R0.64 ±0.1

Two, 3.05 +0.1 0 dia.

Two, R2.54 ±0.1

Dimensions (Unit: mm)

XM4M-2432-1312



Mounting holes (t = 1.6 mm, bottom view) -30.73 ±0.1--19.05 ±0.1-Board Six. 0.66 +0.1 dia. 2.67 ±0.05 ±0.0 Four 5.84 3.94 ±0.05 18.2 terminals 2.54 ±0.05 5.8 6.5 3.3 ±0.05 5.08 ±0.05 -24 03 1.27 ±0.05 1.93 ±0.05 2.54 ±0.05 24, 0.86 ^{+0.1}₀ dia #4-40 UNC Pin 1 1.905 ±0.05 36.78 1.27 | 2.54 1.905 ±0.05 1.905 ±0.05 13.335 ±0.1 7.72 4.95 Panel dimensions (t = 1.2 mm max.) 2.03 -32.51 ±0.05 1.905 2.73 Two, R0.64 ±0.1 1.27 2.7 2.66 3.3 3.94 Two, 3.05 +0.1 dia. 1.905 -13.335 -Ľ 2.54 \oint 9.14 ±0.05 -30.73 -5.08 - 1.905 2.54 ±0.05 Two, R2.54 ±0.1

■ Precautions

Automated Soldering

Soldering

Automated Soldering Conditions (Jet Flow) 1. Soldering temperature: 250 ±5°C

Continuous soldering time: within 5 s

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ALL DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.



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