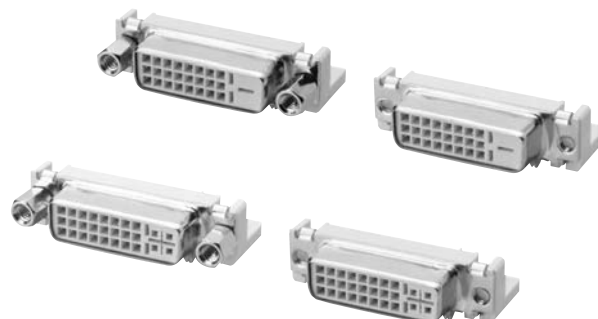


DVI Connectors

XM4M

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

Type	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

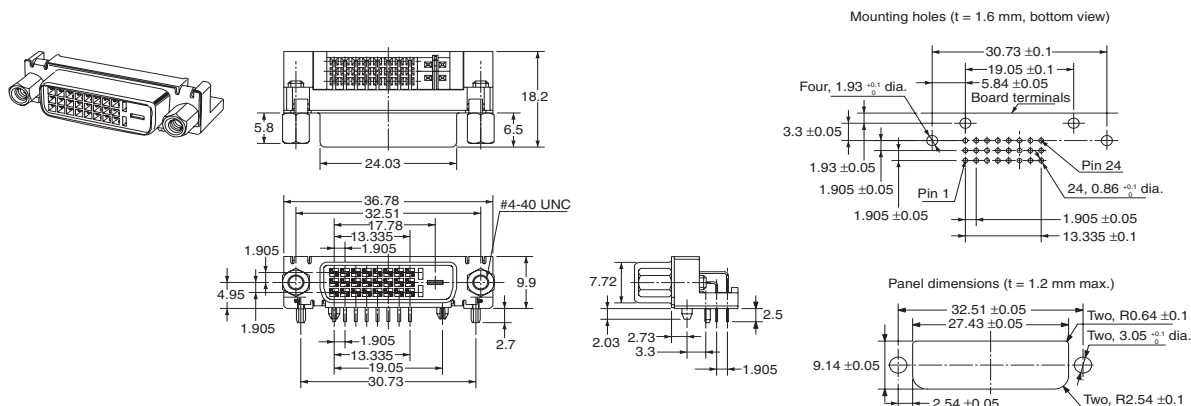
Type	Digital	Digital/Analog
Item		
No. of contacts	24	29
Terminals	Right-angle DIP	
Color	Black or natural	
Rated current	1.5 A	
Rated voltage	40 VAC	
Contact resistance	30 mΩ max. (at 20 mVDC, 100 mA max.)	
Insulation resistance	1,000 MΩ min. (at 500 VDC)	
Withstand voltage	500 VDC for 1 min. (leakage 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

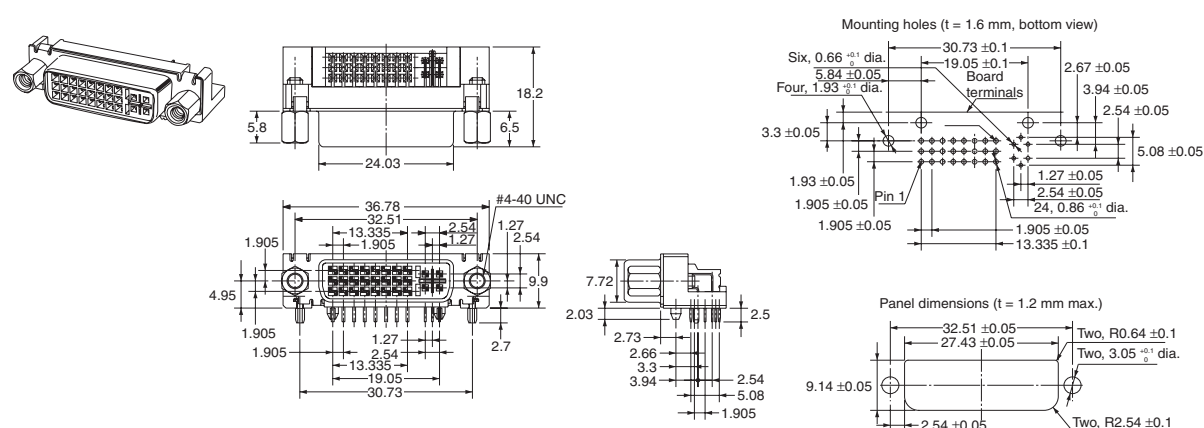
Housing		Fiber-glass reinforced PBT resin (UL94V-0)/black or natural
Cover		Fiber-glass reinforced PBT resin (UL94V-0)/black or natural
Contact	Mating end	Copper alloy/nickel base, 0.76-μm gold plating
	Terminal	Copper alloy/nickel base, tin plating
Shell		Copper/nickel plated
Anchors		Brass/nickel plated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

Dimensions (Unit: mm)

XM4M-2432-1312



XM4M-2932-1312



■ Precautions

Automated Soldering

Soldering

Automated Soldering Conditions (Jet Flow)

1. Soldering temperature: 250 $\pm 5^\circ\text{C}$

Continuous soldering time: within 5 s

Omron Electronic Components, LLC

Terms and Conditions of Sales

I. GENERAL

- Definitions:** The words used herein are defined as follows.
 - Terms:** These terms and conditions
 - Seller:** Omron Electronic Components LLC and its subsidiaries
 - Buyer:** The buyer of Products, including any end user in section III through VI
 - Products:** Products and/or services of Seller
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 - Delivery and shipping dates are estimates only; and
 - Seller will package Products as it deems proper for protection against normal handling and extra charges apply to special conditions.
- Claims:** Any claim by Buyer against Seller for shortage or damage to the Products occurring before delivery to the carrier must be presented in detail in writing to Seller within 30 days of receipt of shipment.

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 - Use in consumer Products or any use in significant quantities.

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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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