# USB Connectors

# **Compact Interface Connectors Conforming** to USB Standards

- Connect or disconnect active lines with power supplied to devices.
- High resistance to twisting force, allowing easy connection and disconnection.
- Socket model A is for personal computers and USB hubs while socket model B is for peripheral devices, such as the modem, scanner, or mouse of a personal computer.
- Cables with plugs for socket models A and B can be used to connect to personal computers and peripheral devices.



# **Ordering Information**

	Model A	Model A with 2 tiers	Model B
Shape	Right-angle terminal with kink terminal XM7A-0442	Right-angle terminal with kink terminal XM7A-0442-A	Right-angle terminal with kink terminal XM7B-0442
Model	XM7A-0442	XM7A-0442-A	XM7B-0442
M.O.Q.	30	30	30

M.O.Q.: Minimum Order Quantity

	Model A	
USB cable	B cable Cable length: 2m	
Model	XM7Z-200AB-FC2	
M.O.Q.	25	

M.O.Q.: Minimum Order Quantity

# **Specifications**

Rated current	1A	
Rated voltage	30VAC	
Contact resistance	30 m $\Omega$ max. (max. 20 m $\Omega$ , max 100 mA) except for cable conductor resistance.	
Insulation resistance	1000 MΩ min. (at 500 VDC)	
Withstand voltage	750 VAC 1 min. (leakage current: 1 mA max.)	
Insertion force	max. 35N	
Pulling out force	min. 10N	
Insertion tolerance	1500 times	
Ambient temperature	-40 to +85°C (No condensation at low temperatures.)	

### **■** Materials/Finish

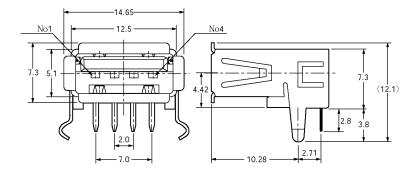
		Socket		
		A type	B type	
Housing		PBT resin with glass (UL94V-0)/black	PBT resin with glass (UL94V-1)/white	
Contact Copper-alloy/nickel spring sul		Copper-alloy/nickel spring substrate/palladiun	n	
	Terminal	Copper-alloy/nickel plate		
Shell		Brass/tin alloy plate		

# **Dimensions**

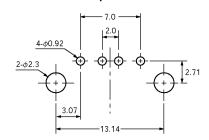
Note: All units are in millimeters unless otherwise indicated.

XM7A-0442 Model A



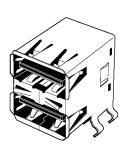


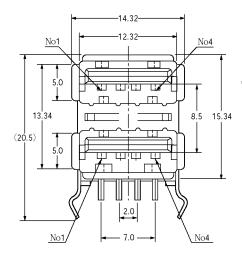
#### Top view

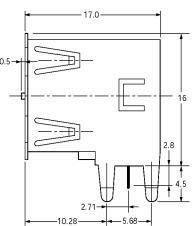


#### **OMRON**

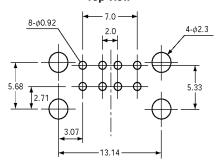
XM7A-0442-A Model A With 2 Tiers



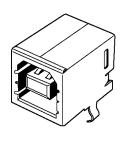


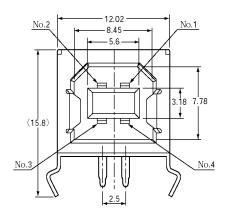


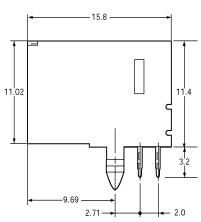
Top view



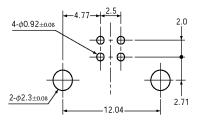
XM7B-0442 Model B





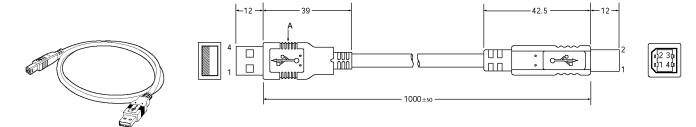


Top view



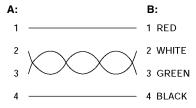
#### XM7Z-200AB-EC2

#### А -В



Cable length: 2m

## **■** Crossline



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  2. Such carrier shall act as the agent of Buyer and delivery to such carrier.

- Such carrier shall act as the agent of Buyer and delivery to such carrier shall constitute delivery to Buyer;
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- paid by Buyer;

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To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

OMRON ELECTRONIC COMPONENTS LLC

55 E. Commerce Drive, Suite B Schaumburg, IL 60173

847-882-2288

3/05 Cat. No. JB301-E3-01

OMRON CANADA, INC.

885 Milner Avenue Toronto, Ontario M1B 5V8

416-286-6465

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Global - http://www.omron.com USA - http://www.components.omron.com Canada - http://www.omron.ca

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