

# Slim D-Sub Connector XM3-LS

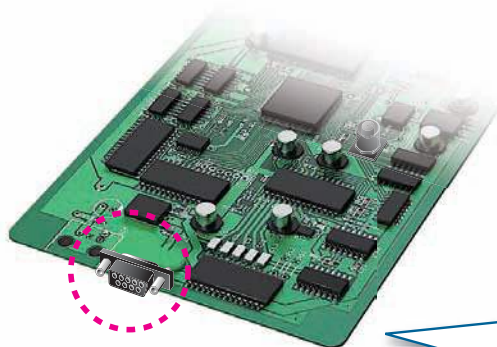
## Space-saving 9-pin Slim D-sub Connectors for Boards

- Board mounting area is reduced by 33% (compared with previous models) using depth of 8.4 mm.
- Nine D-sub right-angle DIP terminals.
- See the "Standards certification / conformity list" for information on conformity to certification standards.

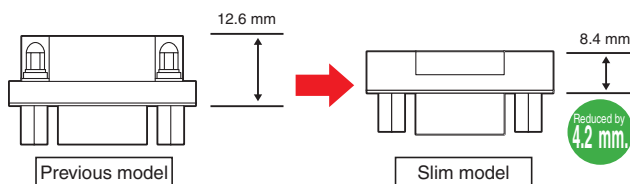


Molding material 30% reduction  
(Compared with previous model XM2C-L)

RoHS Compliant



Footprint on board reduced by 33% over previous models.



### ■ Ratings and Characteristics


Rated current	3 A
Rated voltage	300 VAC
Contact resistance	20 mΩ max. (at 20 mVDC, 100 mA max.)
Insulation resistance	1,000 MΩ min. (at 500 VDC for 1 min)
Withstand voltage	1,000 VAC for 1 min (leakage current: 1 mA max.)
Insertion durability	100 times
Operating temperature	-25 to 105°C (with no condensation or icing)

### ■ Materials and Finish


Housing	PBT (UL94 V-0)/black	
Contacts	Socket	Phosphor bronze/nickel base, flash gold plated
	Plug	Brass/nickel base, flash gold plated
Shell	Steel/nickel plated	
Anchors	Stainless steel	
Grounding fixture	Phosphor bronze/tin plated	

### ■ Ordering Information

#### Socket

Appearance		
No. of contacts Anchors	M2.6 × 0.45	#4-40 UNC
	9	<b>XM3B-0942-112LS</b> <b>XM3B-0942-132LS</b>

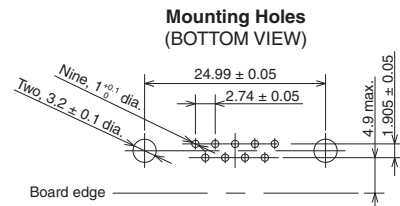
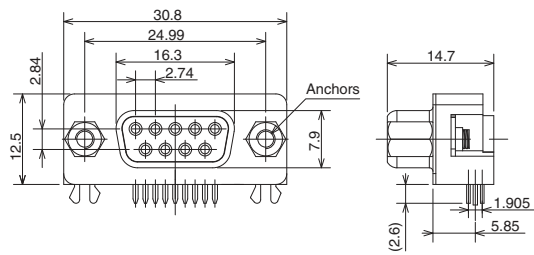
#### Plug

Appearance		
No. of contacts Anchors	M2.6 × 0.45	#4-40 UNC
	9	<b>XM3C-0942-112LS</b> <b>XM3C-0942-132LS</b>

## ■Dimensions

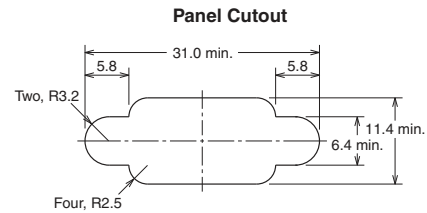
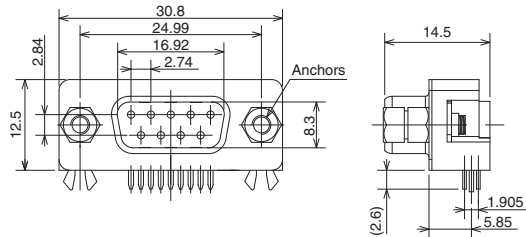
(Unit: mm)

### Socket XM3B-0942-1□2LS



Note: Applicable board thickness: 1.0 or 1.6 mm.

### Plug XM3C-0942-1□2LS



Note: Applicable panel thickness is 1.2 mm max.

Note: The mounting hole and panel cutout dimensions are the same for the Sockets and Plugs.

## ■Precautions

### Precautions for Correct Use

- Insert the connector into the board and then simultaneously dip-solder the connector terminals and lock pins to the board.
- Pull or push the connector straight in or out when you connect or disconnect it. Twisting it may cause damage or faulty contact.
- Do not remove the anchors from the connector. Removing the anchors may cause damage or faulty contact.
- The Plugs cannot be secured to a panel.

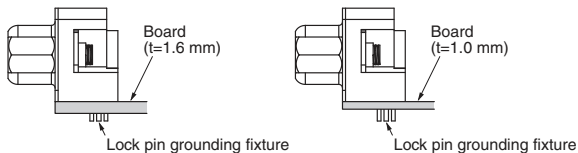
### ●Automatic Soldering

#### Automated Soldering Conditions (Jet Flow)

- (1) Soldering temperature:  $250 \pm 5^\circ\text{C}$
- (2) Continuous soldering time: within  $5 \pm 1$  s max.

### ●Mating

Do not connect the Connectors in the wrong direction, otherwise it may be damaged.



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