

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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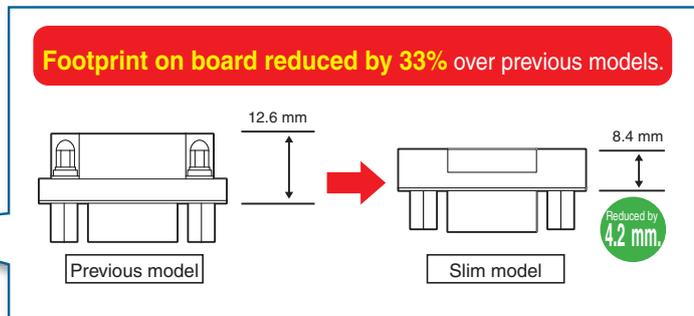
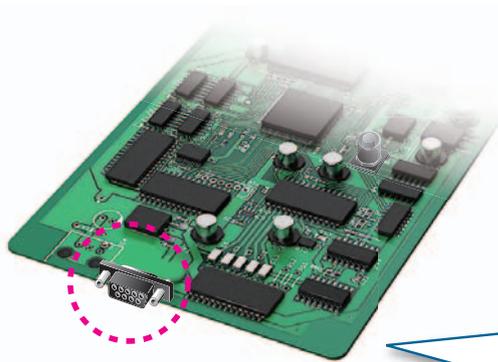
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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.
- Mounting board thickness of either 1.0 mm or 1.6 mm.



■ 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 |

■ Materials and Finish

| | | |
|-------------------|--------------------------------------------------|---------------------------------------------------------------|
| Housing | Fiber-glass reinforced PBT resin (UL94V-0)/black | |
| Contacts | Socket | Phosphor bronze/nickel base, flash gold plated |
| | Plug | Brass/nickel base, flash gold plated |
| Shell | Steel/nickel plated | |
| Anchors | Socket | M2.6 × 0.45: Steel/nickel plated #4-40UNC: Stainless steel |
| | Plug | Stainless steel |
| Grounding fixture | Phosphor bronze/tin plated | |

■ Ordering Information

Socket

| | | | |
|------------|-------------------------------------------------------------------------------------|------------------------|------------------------------------|
| Appearance |  | | Minimum ordering quantity (pieces) |
| | No. of contacts | | |
| Anchors | M2.6 × 0.45 | #4-40 UNC | |
| 9 | XM3B-0942-112LS | XM3B-0942-132LS | 80 |

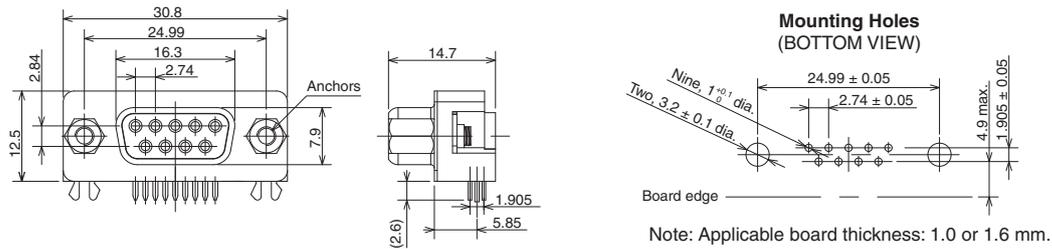
Plug

| | | | |
|------------|---------------------------------------------------------------------------------------|------------------------|------------------------------------|
| Appearance |  | | Minimum ordering quantity (pieces) |
| | No. of contacts | | |
| Anchors | M2.6 × 0.45 | #4-40 UNC | |
| 9 | XM3C-0942-112LS | XM3C-0942-132LS | 80 |

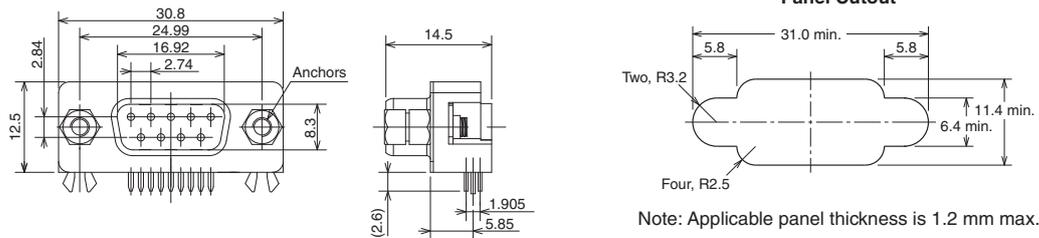
■Dimensions

(Unit: mm)

Socket XM3B-0942-1□2LS



Plug XM3C-0942-1□2LS



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

■Safety Precautions

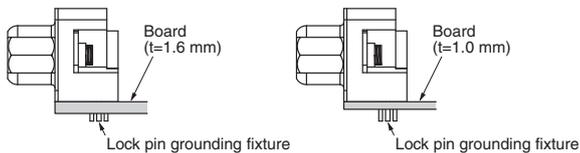
Precautions for Correct Use

- 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.

●Automatic Soldering

Automated Soldering Conditions (Jet Flow)

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



• Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.
 • Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

Note: Do not use this document to operate the Unit.