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## AVX Develops SIM Card Connector Series That Features Low-Profile And Lockable Styles



**AVX Corporation has expanded its 9162 family of SIM card connectors to include three new versions designed to reduce space and provide extra security.**

With end users demanding ever slimmer products, AVX's new slim, slide-in 9162 Connector reduces the overall installed height of the SIM card to less than 1.70mm, giving a profile from the PCB to the underside of the card of just 0.70mm.

Providing the user with the ability to locate, align and lock the SIM card in place, AVX's new lockable 9162 Connector features a hinged lid with rails to provide alignment for the SIM card. A recess in the molding ensures that the SIM will not lock if the card is wrongly inserted in to the cover. The connector has an installed height to the base of the SIM of 1.50mm and a total height of 2.50mm for the connector.

With both the low profile and lockable versions, AVX has maintained all the characteristics of its existing 9162 SIM Connector family including a life of 5000 mating cycles and a power rating of 0.5A.

AVX's new combined memory card device integrates SIM and push/push micro SD™ connectors within a compact structure, minimizing board space yet allowing the two cards to be inserted at the same time. The cards are oriented at 90° to each other enabling both cards to be inserted without interference from the other. Durability for the SIM connector is 10,000 operations; 6,000 operations for the micro SD™ part.

SIM cards are commonly used in mobile phones, PDAs and other portable communications devices, but they are also a very cost effective way of adding memory to many other products. Therefore, these new connectors are ideally suited to varied applications including data loggers, GPS units, meters, asset tracking equipment, POS terminals and subscriber identification. All three new connectors are RoHS compliant and can withstand the latest 260°C reflow soldering processes.

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