

FEATURES

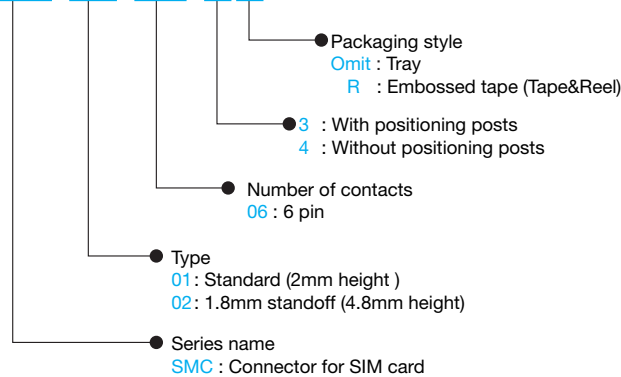
- Conforms to GSM11.11 (European digital cellular phone standard)
- Ultra low profile design (2mm height, lowest in the industry) with hinged cover
- Original Push&Slide locking mechanism for cover assures high retention and operability
- Lightweight design with all molding construction
- Connector available in 6pin SMT (For 8pin, please contact your local sales office)
- Standoff type (4.8mm high) allows to mount parts with 1.8mm height max. under connector
- RoHS compliance

SPECIFICATIONS

- Insulator material : Thermoplastic LCP (UL 94V-0), Black
- Contact material : Copper alloy
- Contact plating : Contact area ; Gold over Nickel
Terminal area ; Gold over Nickel
- Current rating : 1A per contact
- Contact resistance : 55mΩ max.
(Switch contact resistance : 80mΩ max.)
- Dielectric withstanding voltage : 500V AC for 1 minute
- Insulation resistance : 100MΩ min. at 500V DC
- Durability : 5,000 times
- Operating temperature : -40°C to +85°C

ORDER CODE

SMC 0 - 06 -



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APPLICATIONS

- Cellular phones
- Readers/Writers
- PDA
- Information and communication terminals
- Credit account terminals
- Electronic money readers

PRODUCT OUTLINE

The SIM (Subscriber Identity Module) card is mainly employed for identification devices in GSM (Global System for Mobile Communication) cellular phone.

The card is also used for identification of readers/writers and credit account terminals. This type is called SAM (Secure Application Module) card.

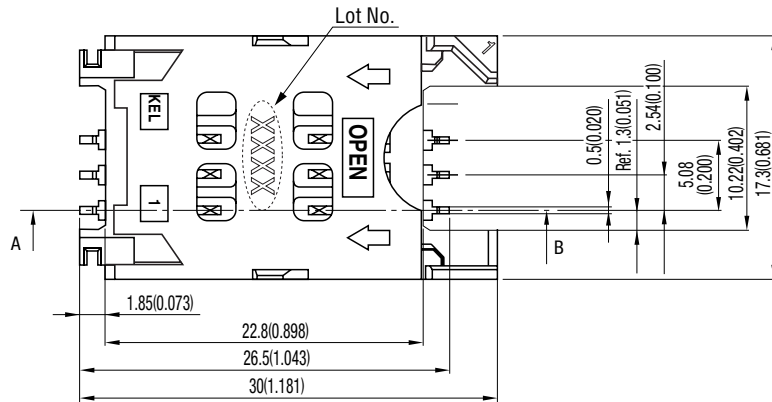
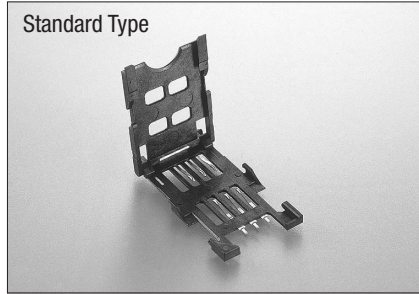
The SIM/SAM card has the same profile as USIM (Universal Subscriber Identity Module) card. It is expected to be used in the next generation of cellular phones and is finding applications with PDAs, mobile terminals, and ID/access controls. Soon to be more commonly used in the rapid growth of applied electronic equipment.

The KEL SMC01/02 Series was designed to meet a variety of customer applications. Features include; Original Push&Slide locking mechanism with hinged cover coupled with high retention and excellent operability making it the best in its class.

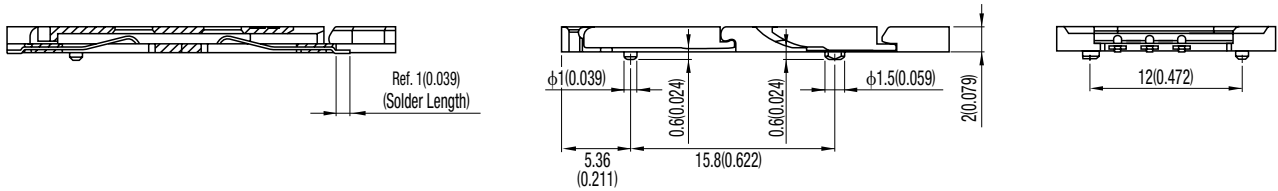
Two types available, both consist of covers: 2mm height standard type which meets the requirements in a majority of cellular phone manufacturers and the standoff type that is best utilized when limited space on the board is a factor.

SMC01-06-□□ (Standard Type)

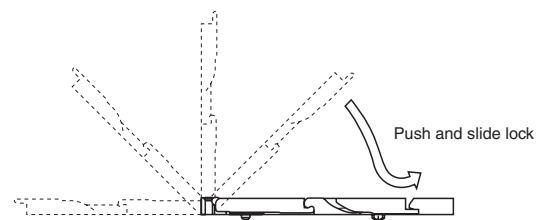
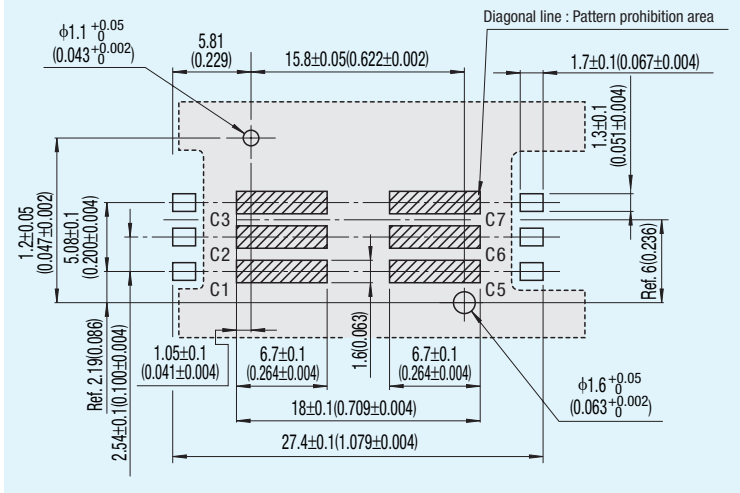
Unit:mm(inch)



A-B Cross Section



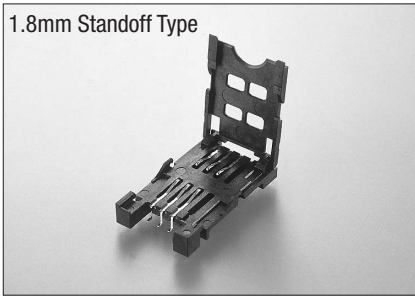
Printed Circuit Board Layout
(Component Side View)



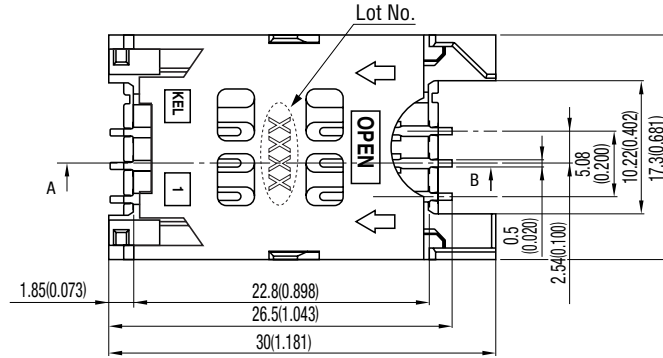
SMC02-06-□□ (1.8mm Standoff Type)

Unit:mm(inch)

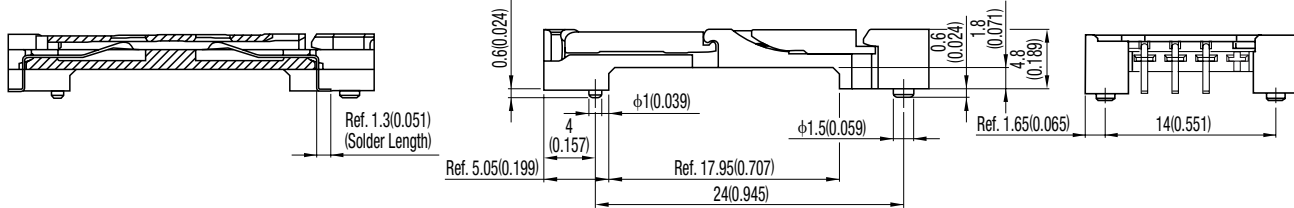
1.8mm Standoff Type



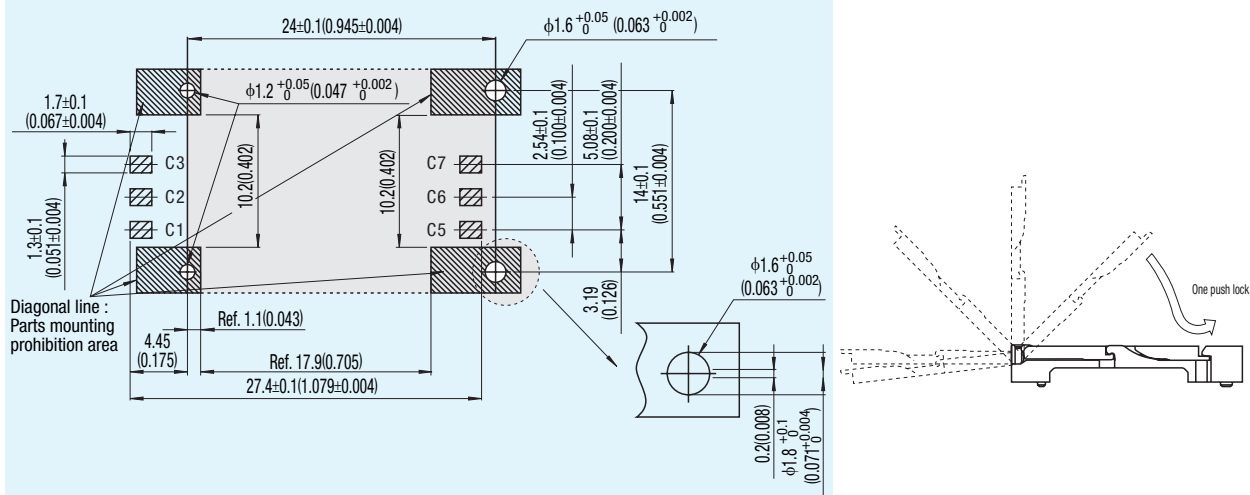
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A-B Cross Section



Printed Circuit Board Layout
(Component Side View)



Specifications and dimensions are subject to change without notice.