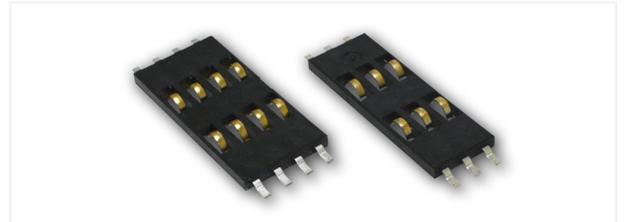


SMART CARD – SIM / SAM CONNECTOR – S06 / S10 SERIES

OVERVIEW

Mini SIM connector range designed to meet interconnection requirements of both the full size SIM IC and the “plug in” Micro SIM cards. Designed to provide SIM card interface for GSM terminals. Available with 6 or 8 contacts. Connector insulator features over molded contacts.



FEATURES & BENEFITS

- Low profile – 1.5mm to 2.0mm above PCB
- Easily integrated into telephone handset or terminal device
- Designed for SMT automatic assembly processes, supplied in tape and reel packaging

TARGET MARKETS/APPLICATIONS

- Subscriber Identity Module (SIM) interface for GSM terminals



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TECHNICAL INFORMATION

MATERIALS

- Contact: Gold over nickel or equivalent
- Solder tail area: Matte tin over metal
- Housing: High temperature thermoplastic UL94V-0

ELECTRICAL PERFORMANCE

- Insulation Resistance: $\geq 1000M\Omega$
- Withstanding voltage: $\geq 1000V$ RMS
- Contact resistance: $\leq 100m\Omega$
- Current carrying: Min. $10\mu A$, max. 1A

ENVIRONMENTAL

- Functional temperature range: Between $-40^{\circ}C$ to $+85^{\circ}C$
- Environmental tests:
 - CEI 68-2-36: Vibration operational test
 - CEI 68-2-27: Shock test
- Drop tests:
 - CEI 68-2-14: Thermal shock
 - EIA 481-3: Packaging
- Material can withstand SMT temperature profile peak $260^{\circ}C$ max. / 10 seconds

MECHANICAL PERFORMANCE

- Mating interface according to ISO 7816-2
- Contact force: 0.25 N and 0.5 N max. in accordance with GSM 11.11 specification
- Contact travel: 0.61mm + 0.1mm
- Durability: 10,000 cycles
- Co-planarity: 0.15mm max.

PART NUMBERS

Number of Contacts	Thickness	Part Number
6 contacts	1.5mm	7111S1015X01LF
8 contacts	1.5mm	7111S0625X01LF

INOSCS06101013EA4