

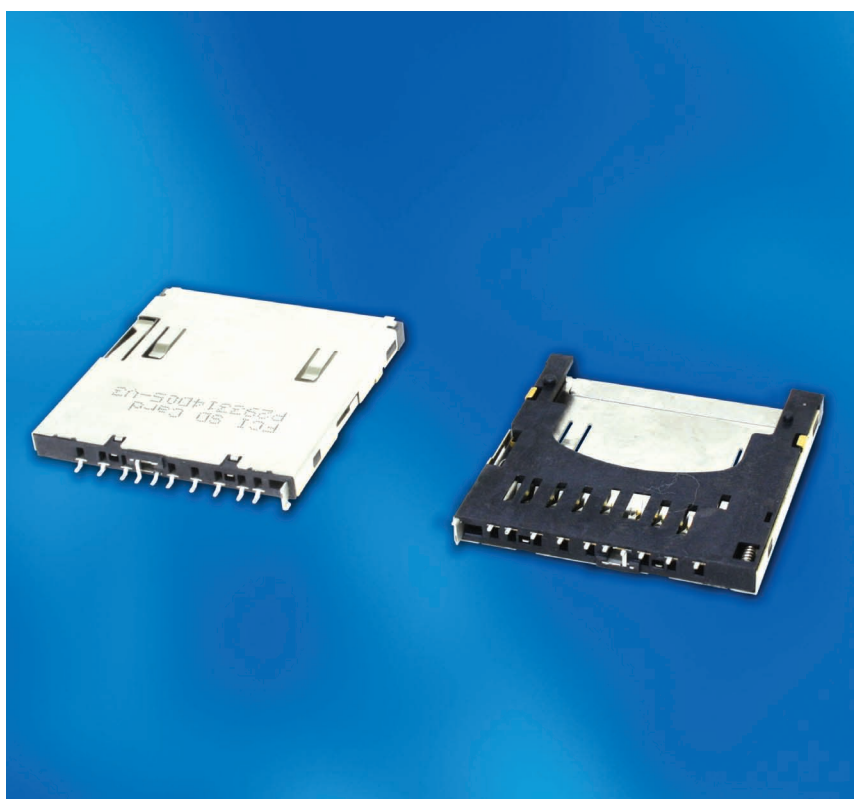
SD Memory Card Connector

For CMD Market

DESCRIPTION

The Top mount SD Memory Card Connector for CMD (Car Multimedia Device) market provide a more durable solution for dashboard and vehicular entertainment devices applications. It is shock proof and able to withstand vibrations.

The robust design will also allow to apply in the Industrial & Instrumentation market



FEATURES & BENEFITS

- Vibration & Shock-proof
 - Push-push locking system
- Enhanced durability
 - 12,000 push-push cycles endurance VS 10K for general SD card connector
- Copyright Protection
 - Switch presence for write protection
- EMI function
 - Shielded
- Capacious temperature range for vehicular work environment
 - - 40 °C to 105 °C
- RoHS compatible.

TARGET MARKETS / APPLICATIONS

- Audio, Visual, Document devices for CMD Market
 - Provides data for navigation systems, GPS
 - Vehicular radio
 - Potentially replaces DVD players
- The robust design will also allow apply in the I & I market
- High performance consumer products market

TECHNICAL INFORMATION

MATERIALS

- Contact : Copper alloy
- Contact area : Gold over Nickel
- Solder tail area : matted Tin over Nickel
- Shield : Stainless
- Housing : High temperature thermal plastics

ELECTRICAL PERFORMANCE

- Electrical withstanding voltage : 500V AC 60 sec.
- Insulation resistance : 1000 M Ω initial, 100 M Ω after test .
- Contact resistance : 100 m Ω max initial, +20 m Ω after life.

PART NUMBERS

- 10067847-001RLF with plastic peg
- 10067847-011RLF without plastic peg

ENVIRONMENTAL

- Functional temperature range:
-40 °C to 105 °C Environmental tests

MECHANICAL PERFORMANCE

- Max insertion force : 12 N
- Durability cycling : 12,000 cycles
- Vibration : 10~1000 Hz, acceleration 2 G, 8 hours per axis, no more than 1 μ sec discontinuity
- Shock : acceleration 50G, 50 shocks per axis, no more than 1 μ sec discontinuity

SPECIFICATIONS

- GS-12-497 product specification

APPROVALS AND CERTIFICATIONS

- Major automobile makers

PACKAGING

- Tape and reel