

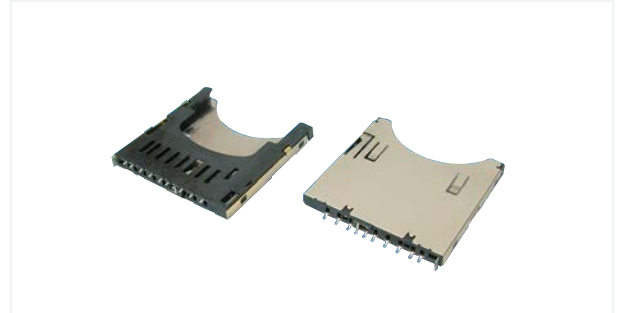
# SD MEMORY CARD CONNECTOR

For CMD Market

## OVERVIEW

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 can also be applied 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 can also be applied in the I&I Market
- High performance consumer products market





## TECHNICAL INFORMATION

### MATERIALS

- Contact: Copper alloy
- Contact area: Gold over nickel
- Solder tail area: Matte tin over nickel
- Shield: Stainless steel
- Housing: High temperature thermal plastics

### ELECTRICAL PERFORMANCE

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

### ENVIRONMENTAL

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

### PART NUMBERS

Number Of Positions	Part Number
With plastic peg	10067847-001RLF
Without plastic peg	10067847-011RLF

### MECHANICAL PERFORMANCE

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

### SPECIFICATIONS

- GS-12-497 product specification

### APPROVALS AND CERTIFICATIONS

- Major automobile makers

### PACKAGING

- Tape and reel

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