

Micro SD and SD Card Sockets

SD COMPLIANT FOR UHS-I AND UHS-II INTERFACE

Amphenol is a leader in SD card sockets and has the capability to support customized designs. The push-push eject feature is designed for ease of card extraction. The user-friendly SD card socket is ideal for use in portable devices such as digital cameras and mobile phone, server applications as well as automotive devices.

- Compatible with second reflow process
- Extremely low camber after reflow process
- Shielding for superior EMI/ESD
- Can be used for PCB 2 sided SMT
- Space-saving design
- Superior solderability and SI performance

NEW


TARGET MARKETS



FEATURES

- 2.70mm ultra thin card socket
- Compatible with second reflow process
- Extremely low camber after reflow process
- Shielded design for superior Electromagnetic Interference (EMI) and Electromagnetic Discharge (ESD)
- Simple card lock mechanism

BENEFITS

- Saves space
- Can be used for Printed Circuit Board (PCB) 2 sided SMT
- Superior solderability performance
- Superior signal integrity (SI) performance
- Prevents card from ejecting and card scrape prevention

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic, complies with UL 94V-0
- Contact: Copper Alloy
- Shell: Stainless Steel

MECHANICAL PERFORMANCE

- Insertion Force: 14N max. (Lock force)
- Extraction Force: 14N max. (Lock force release)
- Standard Durability: 10,000 cycles

ELECTRICAL PERFORMANCE

- Current Rating: 0.5A
- Voltage Rating: 5V AC
- Contact Resistance: 100mΩ max.

PACKAGING

- Tape and Reel

SPECIFICATION

- Amphenol Product Specification: PS-7330 (SD) & PS-7500 (Micro SD)

ENVIRONMENTAL

- The card shall be mated and exposed to the following condition for 5 cycles:
 - a) -55±3°C for 30 minutes
 - b) +85±2°C for 30 minutes. Transit time shall be within 3 minutes, Recovery time 1~2 hours
- The card shall be mated and exposed to the condition of +85±2°C for 96 hours, less than 25% relative humidity
- Salt Spray Test: EIA-364-26 condition 5 ± 1% salt solutions, at 35 ± 2°C duration 48 hours

TARGET MARKETS/APPLICATIONS



Infotainment



Mobile Phone
Tablet
Virtual Reality Camera



Server
Storage

PART NUMBERS

| Description | No. of Positions | Type | Part Numbers |
|--|------------------|-----------|---------------|
| Micro SD Card Socket, LCP Black | 8 | Hinge | GTFH08131YHR |
| Micro SD Card Socket, Normal Open, 1.85mm Height, LCP Black | 8 | Push-Pull | GTFN08431B1HR |
| Micro SD Card Socket, LCP Black | 8 | Push-Push | GTFP08121YHR |
| Micro SD Card Socket, LCP Black | 8 | Push-Push | GTFP08131Y2HR |
| Micro SD Card Socket, LCP Black | 8 | Push-Push | GTFP08131YHR |
| Micro SD Card Socket, LCP Black | 8 | Push-Push | GTFP08431B1EU |
| Micro SD Card Socket, LCP Black | 8 | Push-Push | GTFP08431BEU |
| Micro SD Card Socket | 8 | Push-Push | GTFP08531Y6HR |
| Micro SD 4.0 Card Socket, 1.45 mm Height, Normal Open, LCP Black | | Push-Push | GTF4P17131HR |
| SD Card Socket, 15U" GOLD | 9 | Push-Push | GSD09002SEU |
| SD Card Socket | 9 | Push-Push | GSD09002SHR |
| SD Card Socket | 9 | Push Pull | GSD090012SEU |

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Disclaimer

Please note that the above information is subject to change without notice.