

# 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)  $-55\pm 3^{\circ}\text{C}$  for 30 minutes
  - b)  $+85\pm 2^{\circ}\text{C}$  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  $+85\pm 2^{\circ}\text{C}$  for 96 hours, less than 25% relative humidity
- Salt Spray Test: EIA-364-26 condition 5 ± 1% salt solutions, at  $35 \pm 2^{\circ}\text{C}$  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.