

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 \pm 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.