

## SD Express

### SD EXPRESS PUSH-PUSH CONNECTORS WITH DETECTION PIN

SD Express offers the fastest data transfer rates up to 985MB/s adhering to PCIe® Gen 3 x1 lane interface and NVMe application protocol. Meeting SD 7.0 specifications, these connectors come with pin detection function, which offers enhanced protection and establishes better read function when the memory card is inserted.

- Meets SD7.0 specification
- Supports PCIe® Gen 3 and NVMe application protocol
- Bus transfer rates up to 985MB/s
- Backward compatibility with the previous version (UHS-I)



#### TARGET MARKETS



#### FEATURES

- PCIe® Gen 3 interface
- NVMe application protocol
- 5,000 mating cycles
- Pin detection function
- RoHS compliant and lead-free
- Halogen-free resin material

#### BENEFITS

- Offers data transfer rate up to 8.0Gb/s
- Flexible design, better transfer rate
- High durability
- Better protection and read capabilities when memory card is inserted
- Meets health and safety requirements
- Meets environmental requirements

## TECHNICAL INFORMATION

### MATERIAL

- Contact: Corson alloy
- Housing : High temperature thermal plastic, UL94V-0, black
- Plating: Gold plating

### MECHANICAL PERFORMANCE

- Durability: 5,000 cycles
- Mating Force: 40N max.
- Unmating Force: 0.5~40N.
- Normal Force: 30gf/pin min.

### ELECTRICAL PERFORMANCE

- Insulation Resistance: 100M $\Omega$  min(initial)
- Contact Resistance: 100m $\Omega$  Max (Initial)
- Current Rating: 0.5A

### PACKAGING

- Tape and reel

### SPECIFICATION

- Product Specification: PS-7773
- Packaging Specification: PKSCAD031

### ENVIRONMENTAL

- Operating Temperature Range : -40°C to +85°C

### TARGET MARKETS/APPLICATIONS



Infotainment  
Automotive Recorder



Notebook PC  
UAVs/Drones  
Game Console  
Digital Camera  
Pad  
Smart Phone  
Server

## PART NUMBERS

Description	Part Numbers
SD express push pull	GSD2100407THR
SD express push push	GSD2100107BHR