

# Micro SD Express 3-in-1 Solution

# MICRO SD EXPRESS 3-IN-1 SOLUTION, PUSH PULL, WITH DETECT PIN

Micro SD express 3-in-1 solution, not only can backward compatible to UHS-I(SD3.0), but also UHS-II(SD4.0). Industry 1st compatible solution provider.

- Backward compatible to UHS-I/ UHS-II
- Meet Micro SD7.1 specifications
- PCIe®- Gen3 x 1 lane/ Gen4 x 1 lane
- 985Mb/s; 1970Mb/s
- NVMe application protocol



#### **FEATURES**

#### Backward compatible to UHS-I/UHS-II

- PCIe® Gen3/Gen4 interface
- NVMe application protocol
- 5,000 mating cycles
- Detect pin function
- RoHS compliant and lead-free
- Halogen-free resin material

#### **BENEFITS**

- User friendly and flexible design
- Transfer rate: 985Mb/s, 1970Mb/s
- Flexible design, better transfer rate
- High reliability
- Better protect and read function when memory card insert
- Meets health and safety requirements
- Meet environmental, healthy and safety requirement

# **▶** Micro SD Express 3-in-1 Solution

### **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/Reel

#### **ENVIRONMENTAL**

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

#### **TARGET MARKETS/APPLICATIONS**



Notebook PC
Drones
Game Console
Digital Camera
Pad
Infotainment
Smart Phone
Automotive Recorder



Server

## **PART NUMBERS**

Description	Part Numbers
Micro SD express 3-in-1 solution, Push pull	10102166A812A
Micro SD express push pull	101019961912A
Micro SD express push push	101020156912A