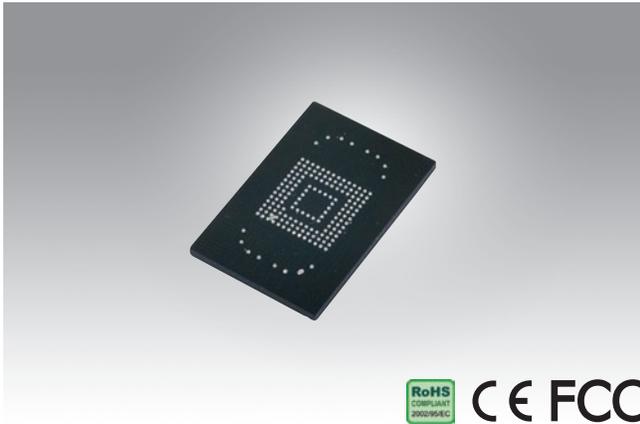


STG-UCP

Industrial bNAND USB Chip



RoHS COMPLIANT 2002/95/EC CE FCC

Features

- Fully compatible with USB Specification Version 2.0 & 1.1
- Capacity: 1 GB, 2 GB
- High Reliability
- Supports OS boot, Security enhancement

Specifications

| | |
|----------------------------------|--|
| Power | I/O Voltage: 3.3 V ($\pm 10\%$) Core Voltage: 1.8 V ($\pm 10\%$) |
| Power Consumption (*) | Operating: 150 mA Suspend: 500 uA |
| Sustained Access Performance (*) | Read: Up to 17 MB/sec Write: Up to 6 MB/sec |
| Environmental Specifications | Operating Temperature: 0 to +70° C Storage Temperature: -20 to +85° C |
| Certifications | RoHS, PFOA, PFOS |
| ECC | 4-bit / 528 byte |
| Wear-Leveling | Dynamic and Static |
| Size | 12 x 18 x 1.2 (mm) |
| Host Interface | P-FBGA 169-pin |
| bNAND Features | Selectable drive configurations by UDRW Technology Data Protection by UDRW Technology |

(*)The values are for reference only, they may change according to the flash memory used.

Ordering Information

| Part No. | Product Description |
|----------------|---------------------------|
| STG-UCP001-HAE | bNAND 1 G USB P-FBGA Chip |
| STG-UCP002-HAE | bNAND 2 G USB P-FBGA Chip |

STG-UDG

Industrial bNAND USB Dongle



RoHS COMPLIANT 2002/95/EC CE FCC

Features

- Fully compatible with USB Specification Version 2.0 & 1.1
- USB bus-powered capability
- Capacity: 1 GB, 2 GB
- High Reliability
- Supports OS boot, Security enhancement

Specifications

| | |
|----------------------------------|---|
| Power | 5V ($\pm 10\%$) |
| Power Consumption (*) | Operating: 150 mA Suspend: 500 uA |
| Sustained Access Performance (*) | Read: Up to 17 MB/sec Write: Up to 6 MB/sec |
| Environmental Specifications | Operating Temperature: 0 to +70° C Storage Temperature: -20 to +85° C Shock: 0.5 msec, 1,100 G Vibration: 16.5 G (20 to 2000 Hz) |
| Certifications | CE, FCC, RoHS, PFOA, PFOS |
| ECC | 4-bit / 528 Byte |
| Wear-Leveling | Dynamic and Static |
| Size | 79 x 18 x 9.4 (mm) |
| Host Interface | USB A-type Connector |
| bNAND Features | Selectable drive configurations by UDRW Technology Data Protection by UDRW Technology |

(*)The values are for reference only, they may change according to the flash memory used.

Ordering Information

| Part No. | Product Description |
|----------------|----------------------|
| STG-UDG001-HAE | bNAND 1 G USB Dongle |
| STG-UDG002-HAE | bNAND 2 G USB Dongle |