

Robust Linear Flash Card for Highest Demands

CSM SuperStore LF green Intel Series 100 compatible

Professional-Line

- ▶ PCMCIA / JEIDA standard
- ▶ Memory Capacity: 4 MB - 16 MB
- ▶ Intel's 28F008S5 / 28F008SA (or compatible)
- ▶ Read voltage: 5 V,
write/erase voltage: 5 or 12 V
- ▶ 128 KB erase block size
- ▶ 100,000 write/erase cycles per block
- ▶ Temperature range: 0 °C to +70 °C
Optional: - 40 °C to +85 °C
- ▶ Hardware write protect switch for
high data protection
- ▶ Option: Customized labeling



CSM Linear Flash Card Intel Series 100 compatible conforms to PCMCIA/JEIDA international standard but with word (16 bit) operation only. Without the complicated control logic circuit and attribute memory design, it is the low cost version of CSM Linear Flash Card Intel Series II+ compatible. With the flexible power supply design in this card family, user can choose single 5 V Vcc or dual power supply (Vcc and Vpp). Choosing the dual power supply, user can also choose 5 V or 12 V as the Vpp supply voltage flexibly.

Like the CSM Linear Flash Card Series II+ consisting of multiple Intel's 28F008S5 (or 28F016S5), this card family also maintains backwards-compatibility with CSM Linear Flash Card Intel Series II family which consist of Intel's 28F008SA memory devices. Key enhancements include: smart voltage allows Vpp to be 5 V or 12 V, 12V option renders the faster block erase, program performance; enhance suspend capabilities; in-system block locking.

To reduce the attribute memory cost overhead, the Card Information Structure (CIS) is stored in Block 0 of the flash memory array. In embedded applications, the CIS may not be required by the system and the entire flash memory array can be used by the system.

| Item | CSM SuperStore LF green |
|--------------------------------|---|
| Number of pins | 68 |
| Capacity | 2 MB to 16 MB |
| Dimensions (L x W x H) | 85.6 x 54.0 x 3.3 mm (PC Card Type I) |
| Write/erase cycles per block | 100,000 |
| Fast byte or word random write | 6 us (typical) @ Vpp = 12 V 8 us (typical) @ Vpp = 5 V |
| Fast read access time | 200 ns (maximum) |
| Data bus | 16 bit only |
| Insertion cycles | min. 10,000 |
| Temperature range | 0 °C to +70 °C (optional: - 40 °C to +85 °C) |
| Humidity | max. 95 %, non-condensing |
| Read voltage | 5 V |
| Write/erase voltage | 5 or 12 V |

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