

Robust Linear Flash Card for Highest Demands

# CSM SuperStore LF green Intel Series II+ compatible

Professional-Line

- ▶ PCMCIA / JEIDA standard
- ▶ Memory Capacity: 2 MB - 16 MB
- ▶ Intel's 28F008S5 / 28F016S5 (or compatible)
- ▶ Read voltage: 5 V, write/erase voltage: 5/12 V
- ▶ 128 KB per block structure
- ▶ 100,000 write/erase cycles per block
- ▶ Temperature range: 0 °C to +70 °C  
Optional: - 40 °C to +85 °C
- ▶ With 8 KB attribute memory
- ▶ Hardware write protect switch for high data protection
- ▶ Option: Customized labeling



CSM PCMCIA Linear Flash Card Intel Series II+ compatible conforms to PCMCIA/JEIDA international standard and consists of multiple Intel's 28F008S5 (or 28F016S5) or compatible Flash memory devices and decoder IC mounted on a very thin printed circuit board using surface mounting technology.

CSM Linear Flash Card maintains backwards-compatibility with Series II family, key enhancements include: smart voltage allows  $V_{pp}$  to be 5 V or 12 V, 12 V option renders the faster block erase, program performance; enhance suspend capabilities; in-system block locking. This Flash memory cards contain 16 to 128 independent device blocks. Each block can be individually erased. To support PCMCIA-compatible byte-wide operation, the flash array is divided into 128 KB per block. To support PCMCIA-compatible word-wide operation, the devices are paired so that each accessible memory block is 64 K-words.

This Flash memory cards offer portable, reprogrammable and nonvolatile solid-state storage media and can be used for flexible integration into various system platforms with PCMCIA/JEIDA interface. With the 8 Kbytes "attribute memory" space (optional without), the Card Information Structure (CIS) can be written into it by OEM with standard format or customized requirements.

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	6us (typical) @ $V_{pp} = 12 V$ 8us (typical) @ $V_{pp} = 5 V$
Fast read access time	200 ns (maximum)
Data bus	8 bit / 16 bit
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	5/12 V

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