

## Product Update

<b>Subject:</b>	<b>New product: DiskOnChip 2000 TSOP (MD2210-D16-V3)</b>		
<b>Products:</b>	DiskOnChip 2000 TSOP	<b>Part Number:</b>	MD2210-D16-V3
<b>Update #:</b>	PU0101	<b>Date:</b>	January 4, 2001

### **DESCRIPTION:**

M-Systems is announcing today a new member of the DiskOnChip 2000 product family, the world's smallest 16MB single-chip flash disk - DiskOnChip 2000 TSOP. Featuring new multi-chip module technology the DiskOnChip 2000 TSOP is the first product in the series available in a 48-pin TSOP-I (Thin Small Outline Package) form factor. DiskOnChip 2000 TSOP is fully compatible with DiskOnChip technology, and will be forward compatible with future DiskOnChip TSOP products.

### **FEATURES:**

The DiskOnChip 2000 TSOP provides the following main advantages:

- Small footprint TSOP-I package (48-pin), suitable for mass production
- Capacity: 16MB per package
- Up to 3 devices may be cascaded, delivering 16MB, 32MB and 48MB
- Low power – only 3.3V
- Manufactured using Multi-Chip-Module (MCM) technology offering:
  - A very small package
  - Better cost structure
  - Flexibility in packaging, including roadmap to BGA
  - Quicker response to market needs
  - Additional source of TSOP flash disks
- Boot replacement capability available soon

### **SOFTWARE COMPATIBILITY:**

DiskOnChip 2000 TSOP is fully software compatible with DiskOnChip 2000 products.

Beginning with TrueFFS software version 4.2 for all operating systems, all DiskOnChip software drivers and utilities are applicable to the DiskOnChip 2000 TSOP as well as for other DiskOnChip products.

**HARDWARE COMPATIBILITY:**

The DiskOnChip 2000 TSOP uses the same 8KB memory window interface as with DiskOnChip 2000 and DiskOnChip Millennium, allowing easy migration within the DiskOnChip product family.

Forward compatibility:

- New versions of the DiskOnChip 2000 TSOP will introduce boot-replacement capabilities and will be fully pin-out and software compatible. Upgrading will be an easy drop-in replacement.
- New versions of the DiskOnChip Millennium will be fully pin-out compatible. These versions will introduce a 16-bit bus interface and additional features.

**PRODUCT AVAILABILITY:**

Name	Ordering Information	Availability	Lead Time
DiskOnChip 2000 TSOP	MD2210-D16-V3	ES - Now Production – March 26, 2001	12 Weeks

**DiskOnChip 2000 TSOP ACCESSORIES AVAILABILITY:**

Accessory Name	Description	Ordering Information	Availability
DiskOnChip 2000 TSOP Evaluation Board (ISA)	ISA board with DiskOnChip 2000 TSOP mounted on	DOC-2000-TSOP-EVB	January 15, 2001
DiskOnChip TSOP-I ZIF Adapter	ZIF (Zero Insertion Force) adapter: 48-pin TSOP-I to DIP	DOC-TSOP-I-ZIF-ADPT	February 15, 2001
DiskOnChip DIP GANG Programmer	GANG Programmer for DiskOnChip DIP	DiskOnChip-DIP-GANGX8	Now
DiskOnChip 2000 TSOP Mechanical sample	48-pin TSOP-I Mechanical samples	MD2210-D00-TSOP1-MECH	Now

\* Requires ZIF adapter to be used with TSOP-I

Please contact your M-Systems representative, or refer to M-Systems' web site ([www.m-sys.com](http://www.m-sys.com)), for any further information or guidance.

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