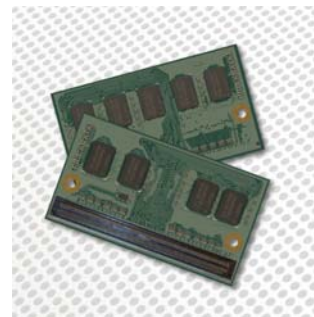


## **Swissbit announces world's first 1GB, 2GB and 4GB DDR3 XR-DIMM™ eXtreme Rugged Small Outline Memory Module**

**Bronschhofen, Switzerland– Swissbit is proud to announce world's first DDR3 XR-DIMM (Rugged Small Outline unbuffered ECC DIMM): This small form factor (38 x 67.5mm) memory module has been developed with special focus on rugged industrial and embedded system for tough environmental conditions requiring exceptional resistance to shock and vibration.**



Swissbit's DDR3 240-pin 72-bit XR-DIMMs are electrically compatible to the JEDEC DDR3 72bit SODIMM and target the latest Intel based embedded platforms as well as other DDR3 ECC capable applications for speed grades of PC3-8500 and PC3-6400.

The module connection between XR-DIMM and system board is implemented by a 240-pin mezzanine connector which has been specially designed for use in rugged environment. Mounting holes and optional fixtures secure the module against shock and vibration.

The 72bit wide module data interface provides ECC (Error Detection and Correction) support to aid in the correction of single bit errors potentially caused by electrical or magnetic interference and/or background radiation.

Swissbit offers the XR-DIMM in densities of 1GB to 4GB, both in commercial temperature grade 0°C to +85°C ( $T_{Case}$ ) as well as industrial temperature grade -40°C to +95°C ( $T_{Case}$ ), allowing for further flexibility in operating environment where cooling resources may be limited.

The small outline of 38 x 67.5mm and the standoff of 5mm together with a 72bit SODIMM compatible pin-out and electrical specification allow easy design-in following 72bit SODIMM guidelines.

The XR-DIMM concept and specification has been jointly defined and developed by a group of manufacturers of system boards and memory modules working together in the „Small Form Factor Special Interest Group SFF-SIG“ ([www.sff-sig.org](http://www.sff-sig.org)). By creating a widely accepted standard it is guaranteed that all major requirements for a rugged memory system are met and that multiple sources of the XR-DIMM are available.

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**About SFF-SIG ([www.sff-sig.org](http://www.sff-sig.org)):**



The Small Form Factor Special Interest Group (SFF-SIG) is an independent non-profit industry group that develops, promotes, and supports small form factor circuit board, I/O, and storage specifications with long-term stability in mind.

**About Swissbit ([www.swissbit.com](http://www.swissbit.com)):**

Swissbit is the largest DRAM memory module and Flash storage device manufacturer in Europe. Created from a management buyout of the Siemens HL Business Unit in 2001, Swissbit has today facilities in Switzerland, Germany, Japan, and the United States. Swissbit offers industrial DRAM memory modules in all popular technologies and Flash industrial storage product families including CF, SD, USB, PATA and SATA interfaces. All Swissbit products meet highest quality criteria and RoHS and REACH directives. The target markets for the Swissbit products are industrial electronics, automotive, railway technology, wired telecommunications, medical electronics as well as aerospace/defense. Additional company and product information is available at [www.swissbit.com](http://www.swissbit.com).

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