

Swissbit announces INDUSTRIAL 2GB & 4GB DDR3 SODIMMs with Heat Spreader and / or Conformal Coating

Bronschhofen, Switzerland – Swissbit announces new variations of its INDUSTRIAL family of DDR3 SODIMMs.

In order to increase the heat dissipation and to avoid thermal hot spots on the memory modules in systems with difficult cooling, Swissbit can add an aluminum heat spreader to the existing portfolio of DDR3 SODIMMs.

The dual sided heat spreader is attached with a thermally conductive tape and increases the heat dissipating area, thus reducing the critical high case temperatures which otherwise might lead to failing bits. The target applications for these DDR3 modules are COM or SBC boards or specialized notebooks for operation under high ambient temperature.

By keeping the maximum thickness below 5 mm and the height below 31.5mm these SODIMMs still fit into the standard socket and the regular keepout area for the memory modules. The SODIMMs are available in industrial temperature grade of -40°C to +95°C (TCASE), allowing for further flexibility in operating environment where cooling resources may be limited. For systems operating in aggressive environmental conditions Swissbit offers additional conformal coating. In this case a thin, but impenetrable film of Polyurethane covers the PCB and the DRAM components and protects the PCB traces and lead connections against corrosion, leaving the gold contact fingers of the edge connector uncovered.

With the additional options of heat spreader and / or conformal coating Swissbit can provide individually optimized solution for the different environmental conditions.



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About Swissbit (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.

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