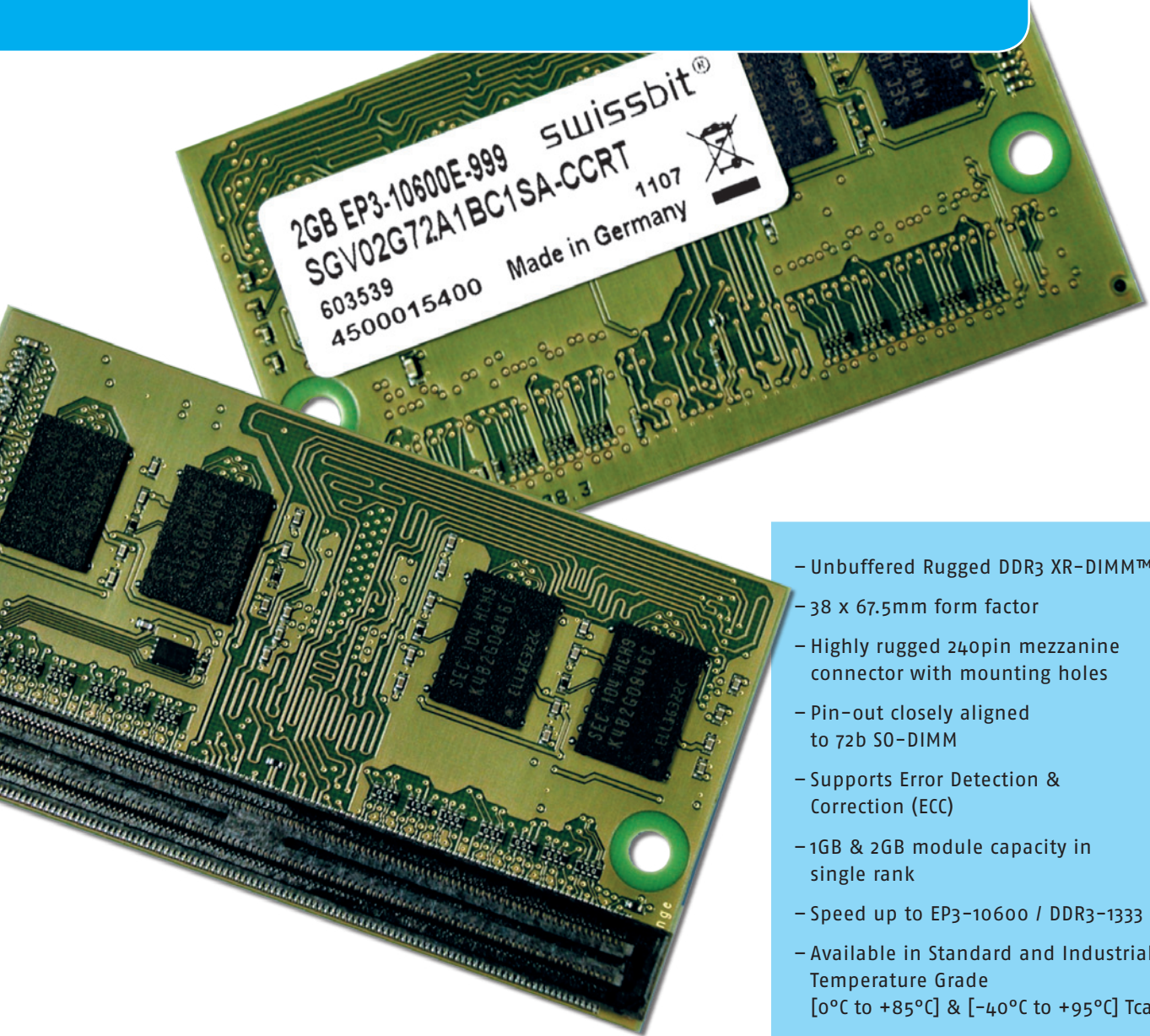


# swissbit®

## 1GB & 2GB RUGGED DDR3-10600 XR-DIMM™



- Unbuffered Rugged DDR3 XR-DIMM™
- 38 x 67.5mm form factor
- Highly rugged 24pin mezzanine connector with mounting holes
- Pin-out closely aligned to 72b SO-DIMM
- Supports Error Detection & Correction (ECC)
- 1GB & 2GB module capacity in single rank
- Speed up to EP3-10600 / DDR3-1333
- Available in Standard and Industrial Temperature Grade  
[0°C to +85°C] & [-40°C to +95°C] Tcase



## 1GB & 2GB RUGGED DDR3-10600 XR-DIMM™

### Product Features

- Full DDR3 implementation with ECC support  
1GB Capacity (128Mx72 array using 9 pcs 128Mx8)  
2GB Capacity (256Mx72 array using 9 pcs 256Mx8)
- Module Dimensions: 67.5 x 38.0 x 7.36 mm
- Highly rugged interface to system board using pin connector and screw attachment with enhanced resistance to shock and vibration
- 240 pin Samtec BSH-120-01-X-D-A connector
- ANSI/VITA 47-2005 shock and vibration compliant
- Available in Std & Industrial Temperature Grade:  
0 °C to + 85 °C Tcase  
-40 °C to + 95 °C Tcase
- EP3-10600 CL9 DDR3-1333 Mbit/s downwards compatible to DDR3-1066 CL7 and DDR3-800 CL5
- 1.5 V I/O (SSTL\_15 compatible)
- Consistent with DDR3 72p S0-DIMM pin definition, easing conversion from S0-DIMM implementations
- On Board Serial Presence Detect (SPD) EEPROM with Integrated Thermal Sensor
- 72 bit wide data bus supports Error Detection and Correction (ECC)
- Compliant to XR-DIMM™ eXtremeRugged Memory Specification from SFF-SIG Small Form Factor Special Interest Group  
[www.sff-sig.org](http://www.sff-sig.org)

	Part Number	Storage Capacity	Speed	CAS Latency	Module Configuration	DRAM Manufacturer
<b>1GB XR-DIMM</b>	SGV01G72A1BG1SA-CCRT	1GB	1333 Mb/s EP3-10600	CL9	128Mx72	Samsung
<b>2GB XR-DIMM</b>	SGV02G72A1BD1SA-CCRT	2GB	1333 Mb/s EP3-10600	CL9	256Mx72	Samsung

### PART NUMBER SCHEME

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