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DS3665

8k x 8 Secure Memory with Programmable Tamper-Response Hierarchy and RTC

Industry's First 8kB Secure Memory with Tamper-Response Hierarchy

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Status ❷

Data Sheet

All versions are No Longer Available.

Description

The DS3665 is a highly integrated, encryption-key supervisor designed to address the circuit requirements associated with the storage of sensitive data, as well as for the physical tamper-sensing-response functions utilized in high-end cryptographic processors and related data security equipment.

Key Features

- Four-Level, Programmable Tamper-Response Hierarchy
- Selectable Memory Clearing
- Four Independent Tamper-Detection Interrupt Outputs
- 8kB Battery-Backed Key Memory with High-Speed Erase
- Controls External SRAM for Battery-Backup Operation and Optional Tamper Event Erase
- Programmable Power Consumption
- Battery-Backup Controller
- 64-Bit Unique Silicon Serial Number

Reliability Reports

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Software/Models

Ordering Information

Filters: Part Number: [   ] Package: [Any ▼] Temperature: [Any ▼] ☐ Tape and Reel ☐ Sample [Go]

Part Number	Free Sample	Buy	Status ❷	Package: TYPE PINS FOOTPRINT DRAWING CODE/VAR *	Temp	RoHS/Lead-Free? Materials Analysis
DS3665B+		N/A	No Longer Available	CSBGA;49 pin;49 mm² Outline Drawing:21-0356 (PDF) Land Pattern: 90-0318 (PDF) Use pkgcode/variation: X49+3*	-40°C to +85°C	RoHS/Lead-Free: Lead Free Materials Analysis
DS3665B+TRL		N/A	No Longer Available	CSBGA;49 pin;49 mm² Outline Drawing:21-0356 (PDF) Land Pattern: 90-0318 (PDF) Use pkgcode/variation: X49+3*	-40°C to +85°C	RoHS/Lead-Free: Lead Free Materials Analysis

Notes:
1. Other options and links for purchasing parts are listed at: http://www.maxim-ic.com/sales.
2. Didn't Find What You Need? Ask our applications engineers. Expert assistance in finding parts, usually within one business day.
3. Part number suffixes: T or T&R = tape and reel; + = RoHS/lead-free; # = RoHS/lead-exempt; -D = drypack; -U/+U on DS parts = cut tape. More: See Full Data Sheet or Maxim Product Naming Conventions.
4. * Some packages have variations, listed on the drawing. "PkgCode/Variation" tells which variation the product uses. Note that "+", "#", "-" in the part number suffix describes RoHS status. Package drawings may show a different suffix character.

Similar Products by Application

Building Block Advisor > Battery Backup
Building Block Advisor > Secure Microcontroller
Building Block Advisor > Temperature Sensors
Building Block Advisor > Watchdog Timers
Computers: Desktops and Workstations > Microprocessor Supervisors
Computers: Desktops and Workstations > Nonvolatile Memory (NV SRAM)
Computers: Desktops and Workstations > Single, Low-Voltage Supervisors
PIN Pads and Kiosks > Battery Backup
PIN Pads and Kiosks > Secure Microcontroller

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