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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

Overview

Technical Documents

Ordering Info

Related Products

User Comments (0)

All

Status

All versions are No Longer Available.

Data Sheet

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

Request Reliability Report for:

Software/Models

none

Ordering Information

Filters: Part Number: Package: Temperature: ☐ Tape and Reel ☐ Sample

Part Number	Free Sample	Buy	Status	Package: TYPE PINS FOOTPRINT DRAWING CODE/VAR *	Temp	RoHS/Lead-Free? Materials Analysis
DS3665B+		N/A	No Longer Available	CSBGA;49 pin;49 mm ² 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 mm ² 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.

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