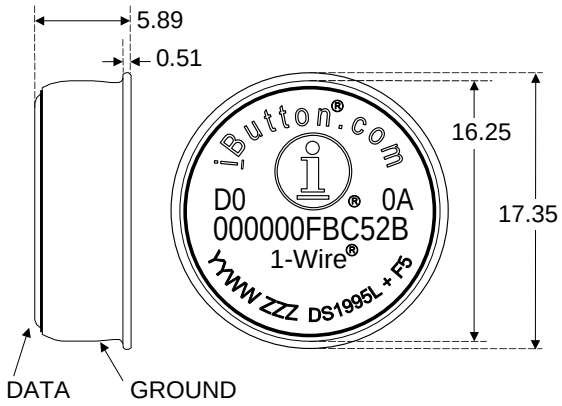
19-4895; Rev 8/09

DS1995
16Kb Memory iButton

SPECIAL FEATURES
- 16384 bits of read/write nonvolatile memory
- 256-bit scratchpad ensures integrity of data transfer
- Overdrive mode boosts communication to 142 kbits per second
- Memory partitioned into 256-bit pages for packetizing data
- Data integrity assured with strict read/write protocols
- Operating temperature range from -40°C to +70°C
- Over 10 years of data retention

COMMON iButton FEATURES
- Unique, factory-lasered and tested 64-bit registration number (8-bit family code + 48-bit serial number + 8-bit CRC tester) assures absolute traceability because no two parts are alike
- Multidrop controller for MicroLAN
- Digital identification and information by momentary contact
- Chip-based data carrier compactly stores information
- Data can be accessed while affixed to object
- Economically communicates to bus master with a single digital signal at 16.3 kbits per second
- Standard 16 mm diameter and 1-Wire® protocol ensure compatibility with iButton family
- Button shape is self-aligning with cup-shaped probes
- Durable stainless steel case engraved with registration number withstands harsh environments
- Easily affixed with self-stick adhesive backing, latched by its flange, or locked with a ring pressed onto its rim
- Presence detector acknowledges when reader first applies voltage

F5 MICROCAN



All dimensions are shown in millimeters.

ORDERING INFORMATION

PART	TEMP RANGE	PIN-PACKAGE
DS1995L-F5+	-40°C to +70°C	F5 MicroCan

+Denotes a lead(Pb)-free/RoHS-compliant package.

EXAMPLES OF ACCESSORIES

DS9096P	Self-Stick Adhesive Pad
DS9101	Multi-Purpose Clip
DS9093RA	Mounting Lock Ring
DS9093F	Snap-In Fob
DS9092	iButton Probe

iButton DESCRIPTION

The DS1995 Memory iButton operates nearly identically to the DS1996. The main differences are: 16 Kbits of memory organized as 64 pages of 32 bytes and a family code of 0A hexadecimal. For further details, refer to the DS1996 data sheet.

iButton and 1-Wire are registered trademarks of Maxim Integrated Products, Inc.

REVISION HISTORY

REVISION DATE	DESCRIPTION	PAGES CHANGED
070808	Updated the *Ordering Information* table to only show the lead-free version (DS1995-F5+).	1
	Updated the F5 MicroCan marking to match PCN H020201.	1
8/09	Removed the UL#913 bullet from the *Common iButton Features* section.	1

Maxim cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a Maxim product. No circuit patent licenses are implied. Maxim reserves the right to change the circuitry and specifications without notice at any time.

Maxim Integrated Products, 120 San Gabriel Drive, Sunnyvale, CA 94086 408-737-7600

© 2009 Maxim Integrated Products Maxim is a registered trademark of Maxim Integrated Products, Inc.

ООО «НИОКРсистемс» - это оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов. Реализуемая нашей компанией продукция насчитывает более полумиллиона наименований.

Благодаря этому наша компания предлагает к поставке практически не ограниченный ассортимент компонентов как оптовыми, мелкооптовыми партиями, так и в розницу.

Благодаря развитой сети поставщиков, помогаем в поиске и приобретении экзотичных или снятых с производства компонентов.

Наша компания это:

- Гарантия качества поставляемой продукции
- Широкий ассортимент
- Минимальные сроки поставок
- Техническая поддержка
- Подбор комплектации
- Индивидуальный подход
- Гибкое ценообразование
- Работаем по 275 ФЗ

ООО «НИОКР СИТЕМС»
Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в

Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709