

THE ELEKTOR ■ ELEKTUUR DATASHEET COLLECTION

VOLUME

3

(TO-263)
Lead Surface-Mount Package

AB IS
GND

OFFSET NULL

GND

ON/OFF

5

OFFSET

NULL

R1

1K

R2

50K

R3

1K

R4

R5

R6

R7

R8

R9

R10

R11

R12

R13

R14

R15

More than 200 microprocessor datasheets

Mehr als 200 Datenblätter von Mikrocontrollern (Texte in Englisch)

Plus de 200 fiches de caractéristiques microprocesseurs (en anglais)

Meer dan 200 microprocessor datasheets (Engelstalig)

ANY
MICROPROCESSOR

R15
50

Analog Devices

Atmel

Cypress / Dallas

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

Analog Devices

ADSP-21xx	Family overview
ADSP-2101	16-bit fixed-point DSP
ADSP-2103	16-bit fixed-point DSP
ADSP-2105	16-bit fixed-point DSP
ADSP-2111	16-bit fixed-point DSP
ADSP-2115	16-bit fixed-point DSP
ADSP-2161	16-bit fixed-point DSP
ADSP-2162	16-bit fixed-point DSP
ADSP-2163	16-bit fixed-point DSP
ADSP-2164	16-bit fixed-point DSP
ADSP-2165	16-bit fixed-point DSP (ADSP-216x with additional memory)
ADSP-2166	16-bit fixed-point DSP (ADSP-216x with additional memory)
ADSP-2171	16-bit fixed-point DSP
ADSP-2172	16-bit fixed-point DSP
ADSP-2173	16-bit fixed-point DSP
ADSP-2181	16-bit fixed-point DSP
ADSP-2185	16-bit fixed-point DSP
ADSP-2185L	16-bit fixed-point DSP
ADSP-2186	16-bit fixed-point DSP
ADSP-2186L	16-bit fixed-point DSP
ADSP-2187L	16-bit fixed-point DSP

Microchip

Motorola

More.....



Analog Devices

Atmel

Cypress / Dallas

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

Atmel

- | | |
|------------|---|
| AT89C51 | 8-bit microcontroller with 4 Kbyte flash |
| AT89C52 | 8-bit microcontroller with 8 Kbyte flash |
| AT89C55 | 8-bit microcontroller with 20 Kbyte flash |
| AT89C1051 | 8-bit microcontroller with 1 Kbyte flash |
| AT89C2051 | 8-bit microcontroller with 2 Kbyte flash |
| AT89S8252 | 8-bit microcontroller with 8 Kbyte flash |
| AVR family | AVR instruction set |
| AT90S1200 | 8-bit AVR-microcontroller with 1 Kbyte downloadable flash |
| AT90S2313 | 8-bit AVR-microcontroller with 2 Kbyte downloadable flash |
| AT90S2323 | 8-bit AVR-microcontroller with 2 Kbyte in-system programmable flash |
| AT90LS2323 | 8-bit AVR-microcontroller with 2 Kbyte in-system programmable flash |
| AT90S2343 | 8-bit AVR-microcontroller with 2 Kbyte in-system programmable flash |
| AT90LS2343 | 8-bit AVR-microcontroller with 2 Kbyte in-system programmable flash |

Microchip

Motorola

More.....



Analog Devices

Atmel

Cypress / Dallas

- AT90LS4434 8-bit AVR-microcontroller with 4/8 Kbyte in-system programmable flash
- AT90S8515 8-bit AVR-microcontroller with 8 Kbyte in-system programmable flash
- AT90S8535 8-bit AVR-microcontroller with 4/8 Kbyte in-system programmable flash
- AT90LS8535 8-bit AVR-microcontroller with 4/8 Kbyte in-system programmable flash
- Mega103 8-bit AVR-microcontroller with 64/128 Kbyte in-system programmable flash
- Mega103L 8-bit AVR-microcontroller with 64/128 Kbyte in-system programmable flash
- Mega603 8-bit AVR-microcontroller with 64/128 Kbyte in-system programmable flash
- Mega603L 8-bit AVR-microcontroller with 64/128 Kbyte in-system programmable flash

Microchip

Motorola

More.....



Analog Devices

Atmel

Cypress / Dallas

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

Cypress

CY7C63000	Universal Serial Bus microcontroller
CY7C63001	Universal Serial Bus microcontroller
CY7C63100	Universal Serial Bus microcontroller
CY7C63101	Universal Serial Bus microcontroller
CY7C63200	Universal Serial Bus microcontroller
CY7C63201	Universal Serial Bus microcontroller

Dallas

DS5000(T)	Soft microcontroller module
DS5000FP	Soft microprocessor chip
DS5001FP	128 K Soft microprocessor chip
DS5002FP	Secure microprocessor chip
DS80C310	High-speed 80C32 compatible microprocessor
DS80C320	High-speed/low power 80C32 compatible microprocessor
DS80C323	High-speed/low-power 80C32 compatible microprocessor
DS83C520	EPROM/ROM high-speed microprocessor
DS87C520	EPROM/ROM high-speed microprocessor
DS87C530	EPROM microprocessor with real time clock

Microchip

Motorola

More.....



Analog Devices

Atmel

Cypress / Dallas

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

PIC12-family

- PIC12C508 8-bit CMOS microcontroller
- PIC12C509 8-bit CMOS microcontroller
- PIC12C671 8-bit CMOS microcontroller with A/D converter
- PIC12C672 8-bit CMOS microcontroller with A/D converter
- PIC12CE518 8-bit CMOS microcontroller with EEPROM data memory
- PIC12CE519 8-bit CMOS microcontroller with EEPROM data memory
- PIC12CE673 8-bit CMOS microcontroller with A/D converter and EEPROM data memory
- PIC12CE674 8-bit CMOS microcontroller with A/D converter and EEPROM data memory

PIC16-family

- PIC16C52 EPROM/ROM-based 8-bit CMOS-microcontroller
- PIC16C54 EPROM/ROM-based 8-bit CMOS-microcontroller
- PIC16C54A EPROM/ROM-based 8-bit CMOS-microcontroller
- PIC16C54B EPROM/ROM-based 8-bit CMOS-microcontroller
- PIC16C55A EPROM/ROM-based 8-bit CMOS-microcontroller
- PIC16C55B EPROM/ROM-based 8-bit CMOS-microcontroller
- PIC16C56A EPROM/ROM-based 8-bit CMOS-microcontroller

Microchip

Motorola

More.....



Analog Devices

Atmel

Cypress / Dallas

PIC16C56B EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16C57 EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16C57C EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16C58A EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16C58B EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16C71 8-bit CMOS microcontroller with A/D converter

PIC16C710 8-bit CMOS microcontroller with A/D converter

PIC16C711 8-bit CMOS microcontroller with A/D converter

PIC16C715 8-bit CMOS microcontroller with A/D converter

PIC16CR54A EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16CR54B EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16CR56A EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16CR57B EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16CR57C EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16CR58A EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16CR58B EPROM/ROM-based 8-bit CMOS-microcontroller

PIC16CR83 8-bit CMOS EEPROM microcontroller

PIC16CR84 8-bit CMOS EEPROM microcontroller

PIC16F83 8-bit CMOS EEPROM microcontroller

PIC16F84 8-bit CMOS EEPROM microcontroller

PIC16LCR84 8-bit CMOS EEPROM microcontroller

PIC16LF84 8-bit CMOS EEPROM microcontroller

Microchip

Motorola

More.....



Analog Devices

Atmel

Cypress / Dallas

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

68HC05

- | | |
|-----------|---|
| 68HC05B4 | HCMOS 8-bit microcontroller with 4 Kbyte ROM |
| 68HC05B6 | HCMOS 8-bit microcontroller with 6 Kbyte EPROM |
| 68HC05B16 | HCMOS 8-bit microcontroller with 16 Kbyte ROM |
| 68HC05B32 | HCMOS 8-bit microcontroller with 32 Kbyte ROM |
| 68HC05BD2 | HCMOS 8-bit microcontroller |
| 68HC05BD3 | HCMOS 8-bit microcontroller with 3,75 Kbyte ROM |
| 68HC05BD5 | HCMOS 8-bit microcontroller with 7,75 Kbyte ROM |
| 68HC05BD7 | HCMOS 8-bit microcontroller |
| 68HC05D9 | HCMOS 8-bit microcontroller with 16 Kbyte ROM |
| 68HC05D24 | HCMOS 8-bit microcontroller with 24 Kbyte ROM |
| 68HC05D32 | HCMOS 8-bit microcontroller with 32 Kbyte ROM |
| 68HC05JB3 | HCMOS 8-bit microcontroller with 2560 bytes ROM |

Microchip

Motorola

More.....



Analog Devices

Atmel

Cypress / Dallas

68HC05L5 HCMOS 8-bit microcontroller with 8 Kbyte ROM

68HC05PL4 HCMOS 8-bit microcontroller with 4 Kbyte ROM

68HC05PL4B HCMOS 8-bit microcontroller with 4 Kbyte ROM

68HC05X16 HCMOS 8-bit microcontroller with 16 Kbyte ROM

68HC05X32 HCMOS 8-bit microcontroller with 32 Kbyte ROM

68HC705B5 HCMOS 8-bit microcontroller with 7,25 Kbyte EPROM

68HC705B16 HCMOS 8-bit microcontroller with 16 Kbyte EPROM

68HC705B16N HCMOS 8-bit microcontroller with 16 Kbyte EPROM

68HC705B32 HCMOS 8-bit microcontroller with 32 Kbyte EPROM

68HC705BD3 HCMOS 8-bit microcontroller with 7,75 Kbyte EPROM

68HC705BD7 HCMOS 8-bit microcontroller

68HC705C8A HCMOS 8-bit microcontroller with 7,75 Kbyte EPROM

Microchip

Motorola

More.....

68HC705D32 HCMOS 8-bit microcontroller with 32 Kbyte ROM

68HC705E1 HCMOS 8-bit microcontroller

68HC705JB3 HCMOS 8-bit microcontroller with 2560 bytes ROM

68HC705JJ7 HCMOS 8-bit microcontroller with 6.160 bytes EPROM

68HC705JP7 HCMOS 8-bit microcontroller with 6.160 bytes EPROM

68HC705KJ1 HCMOS 8-bit microcontroller with 1 Kbyte EPROM

68HC705L5 HCMOS 8-bit microcontroller with 8 Kbyte EPROM

68HC705PL4 HCMOS 8-bit microcontroller with 4 Kbyte EPROM

68HC705PL4B HCMOS 8-bit microcontroller with 4 Kbyte EPROM

68HC705SJ7 HCMOS 8-bit microcontroller with 6.160 bytes EPROM

68HC705SP7 HCMOS 8-bit microcontroller with 6.160 bytes EPROM

68HC705X32 HCMOS 8-bit microcontroller with 32 Kbyte EPROM



Analog Devices

Atmel

Cypress / Dallas

- 68HCR705JJ7 HCMOS 8-bit microcontroller with 6.160 bytes EPROM
- 68HCR705JP7 HCMOS 8-bit microcontroller with 6.160 bytes EPROM
- 68HCR705KJ1 HCMOS 8-bit microcontroller with 1 Kbyte EPROM
- 68HCR705SJ7 HCMOS 8-bit microcontroller with 6.160 bytes EPROM
- 68HCR705SP7 HCMOS 8-bit microcontroller with 6.160 bytes EPROM
- 68HLC705KJ1 HCMOS 8-bit microcontroller with 1 Kbyte EPROM
- 68HSC705C8A HCMOS 8-bit microcontroller with 7,75 Kbyte EPROM
- 68HSC705C9A HCMOS 8-bit microcontroller with 15.932 bytes EPROM

- 68HC08**
CPU08 Family specification
- 68HC08AZ0 HCMOS 8-bit microcontroller
- 68HC08AZ16 HCMOS 8-bit microcontroller with 16 Kbyte ROM
- 68HC08AZ24 HCMOS 8-bit microcontroller with 24 Kbyte ROM

Microchip

Motorola

More.....

- 68HC08AZ32 HCMOS 8-bit microcontroller with 32 Kbyte ROM
- 68HC08AB0 HCMOS 8-bit microcontroller
- 68HC08AB16 HCMOS 8-bit microcontroller
- 68HC08AB24 HCMOS 8-bit microcontroller
- 68HC08AB32 HCMOS 8-bit microcontroller
- 68HC708AZ60 HCMOS 8-bit microcontroller with 1 Kbyte EEPROM
- 68HC708MP16 HCMOS 8-bit microcontroller
- 68HC908AZ60 HCMOS 8-bit microcontroller with 1 Kbyte EEPROM

- 68HC11**
- 68HC11E0 HCMOS 8-bit high-performance microcontroller
- 68HC11E1 HCMOS 8-bit high-performance microcontroller with 512 bytes EEPROM
- 68HC11E8 HCMOS 8-bit high-performance microcontroller with 12 Kbyte ROM
- 68HC11E9 HCMOS 8-bit high-performance microcontroller with 12 Kbyte ROM and 512 bytes EEPROM



Analog Devices

Atmel

Cypress / Dallas

- 68HC11E20 HCMOS 8-bit high-performance microcontroller with 20 Kbyte ROM and 512 byte EEPROM
- 68HC11 F1 HCMOS 8-bits high-performance microcontroller with 512 byte EEPROM
- 68HC711E9 HCMOS 8-bit high-performance microcontroller with 12 Kbyte EPROM and 512 bytes EEPROM
- 68HC711E20 HCMOS 8-bit high-performance microcontroller with 20 Kbyte EPROM and 512 bytes EEPROM
- 68HC711D3 HCMOS 8-bit microcontroller with 4 Kbyte EPROM
- 68HC811E20 HCMOS 8-bit high-performance microcontroller with 20 Kbyte EPROM and 2048 bytes EEPROM

Microchip

Motorola

More.....



National Semiconductor

Philips

Scenix / Siemens

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

National Semiconductor

COP8ACC5	8-bit OTP-microcontroller with A/D-converter
COP87L20CJ	8-bit OTP-microcontroller
COP87L22CJ	8-bit OTP-microcontroller
COP87L40CJ	8-bit OTP-microcontroller
COP87L42CJ	8-bit OTP-microcontroller
COP87L84CF	8-bit OTP-microcontroller
COP87L88CF	8-bit OTP-microcontroller
COP87L88EB	8-bit OTP-microcontroller
COP87L89EB	8-bit OTP-microcontroller

ST Microelectronics

Temic / Xilinx

Return



ational Semiconductor

Philips

Scenix / Siemens

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

Philips

80C31	8-bit CMOS microcontroller
80C32	8-bit CMOS microcontroller
80C51	Family EPROM products
80C51	Family hardware description
80C51	Programmer's guide
80C51	8-bit CMOS microcontroller
80C51FA	8-bit CMOS microcontroller
80C51FB	8-bit CMOS microcontroller
80C51FC	8-bit CMOS microcontroller
80C51FA	8-bit CMOS microcontroller
80C51RA+	8-bit CMOS microcontroller
80C51RB+	8-bit CMOS microcontroller
80C51RC+	8-bit CMOS microcontroller
80C51RD+	8-bit CMOS microcontroller
80C51RA+	8-bit CMOS microcontroller
80C52	8-bit CMOS microcontroller
80C54	8-bit CMOS microcontroller
80C58	8-bit CMOS microcontroller
80C451	8-bit CMOS microcontroller
80C550	8-bit CMOS microcontroller
80C552	8-bit CMOS microcontroller
83C451	8-bit CMOS microcontroller
83C550	8-bit CMOS microcontroller
83C552	8-bit CMOS microcontroller
87C51	8-bit CMOS microcontroller
87C51FA	8-bit CMOS microcontroller
87C51FB	8-bit CMOS microcontroller
87C51FC	8-bit CMOS microcontroller
87C51FA	8-bit CMOS microcontroller
87C51RA+	8-bit CMOS microcontroller
87C51RB+	8-bit CMOS microcontroller
87C51RC+	8-bit CMOS microcontroller
87C51RD+	8-bit CMOS microcontroller
87C52	8-bit CMOS microcontroller
87C54	8-bit CMOS microcontroller
87C58	8-bit CMOS microcontroller
87C451	8-bit CMOS microcontroller
87C550	8-bit CMOS microcontroller

ST Microelectronics

Temic / Xilinx

Return



ational Semiconductor

Philips

Scenix / Siemens

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

Scenix

SX18AC	8-bit microcontroller with EE/Flash memory
SX18AC75	8-bit microcontroller with EE/Flash memory
SX18AC100	8-bit microcontroller with EE/Flash memory
SX20AC	8-bit microcontroller with EE/Flash memory
SX20AC75	8-bit microcontroller with EE/Flash memory
SX20AC100	8-bit microcontroller with EE/Flash memory
SX28AC	8-bit microcontroller with EE/Flash memory
SX28AC75	8-bit microcontroller with EE/Flash memory
SX28AC100	8-bit microcontroller with EE/Flash memory
SX48BD	8-bit microcontroller with EE/Flash memory
SX52BD	8-bit microcontroller with EE/Flash memory

Siemens

SAB80C166	16-bit microcontroller
SAB80C515	8-bit microcontroller
SAB80C515A	8-bit microcontroller
SAB80C517	8-bit microcontroller
SAB80C517A	8-bit microcontroller
SAB80C537	8-bit microcontroller
SAB83C166	16-bit microcontroller
SAB83C515	8-bit microcontroller
SAB83C515A	8-bit microcontroller
SAB83C517A	8-bit microcontroller

ST Microelectronics

Temic / Xilinx

Return



ational Semiconductor

Philips

Scenix / Siemens

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

ST6 Family

ST62E20C	8-bit microcontroller
ST62E25C	8-bit microcontroller
ST62E65C	8-bit microcontroller
ST62T08C	8-bit microcontroller
ST62T09C	8-bit microcontroller
ST62T10C	8-bit microcontroller
ST62T15C	8-bit microcontroller
ST62T20C	8-bit microcontroller
ST62T25C	8-bit microcontroller
ST62T55C	8-bit microcontroller
ST62T65C	8-bit microcontroller

ST7 Family

ST7	Product overview
ST7277	8-bit USB-microcontroller
ST72101	8-bit microcontroller
ST72212	8-bit microcontroller
ST72213	8-bit microcontroller
ST72251	8-bit microcontroller
ST72272	8-bit microcontroller
ST72311	8-bit microcontroller
ST72331	8-bit microcontroller
ST72371	8-bit microcontroller
ST72372	8-bit microcontroller
ST72671	8-bit microcontroller
ST72751	8-bit microcontroller
ST72752	8-bit microcontroller

ST Microelectronics

Temic / Xilinx

Return



ational Semiconductor

Philips

Scenix / Siemens

the elektor datasheet collection

© 1999, Segment b.v., Beek, the Netherlands

Temic

80C51
80C51
80C51

Family overview
Programming guide
Common Features
Description

80C52
80C251
83C154

CPU Features
Family overview
Common Features
Description

83C5154D

Common Features
Description

Xilinx

9536

In-Circuit Programmable
CPLD

ST Microelectronics

Temic / Xilinx

Return

