

CAN Chips

Standalone CAN-Controllers (selection)

SJA1000

Manufacturer	Philips
CAN Version	BasicCAN 2.0B
Objectmemory	1 Tx-Buffer Rx-Fifo 64 Byte
Host Interface	8-Bit multiplexed Adress-/Datenbus Intel-/Motorola-Mode
Remarks	CAN-Controller of the 1st choice when using a efficient Host-CPU

82527

Manufacturer	Intel
CAN Version	Full-/BasicCAN 2.0B
Objectmemory	14 Tx-/Rx-Buffer 1 Rx-Buffer (Doublebuffer)
Host Interface	8-Bit multiplexed Adress-/Databus (Intel- and Motorola-Mode) 8-Bit non-multiplexed Adress-/Databus (synchronous und asynchronous) 16-Bit multiplexed Adress-/Databus (Intel-Mode) serial Interface (SPI-Protocol)
Remarks	slow Host-Interface, needs Host-CPU with READY gate or programable waitstatecycles

MCP2510

Manufacturer	Microchip
CAN Version	Full-/BasicCAN 2.0B
Objectmemory	3 Tx-Buffer 2 Rx-Buffer
Host Interface	only serial (SPI-Protocol) plus 3 additional lines for the most important functions

Remarks	Chip works from 3.0 V to 5.0 V powersupply which makes interestant for many CPU's in 3 V technology
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μControllers with one integrated CAN-Controller (selection)

P8xC591

Manufacturer	Philips
CAN Version	BasicCAN 2.0B
Objectmemory	1 Tx-Buffer Rx-Fifo 64 Byte
CPU	8-Bit
Remarks	

XA C3

Manufacturer	Philips
CAN Version	FullICAN 2.0B
Objectmemory	32 Tx-/Rx-Buffer
CPU	16-Bit
Remarks	

MC68HC05Xx

Manufacturer	Motorola
CAN Version	BasicCAN 2.0B
Objectmemory	1 Tx-Buffer 2 Rx-Buffer
CPU	8-Bit
Remarks	

MC68HC08AZx

Manufacturer	Motorola
CAN Version	BasicCAN 2.0B
Objectmemory	3 Tx-Buffer

	2 Rx-Buffer
CPU	8-Bit
Remarks	

C515C/C505C

Manufacturer	Infineon
CAN Version	Full-/BasicCAN 2.0B
Objectmemory	14 Tx-/Rx-Buffer 1 Rx-Buffer (Doublebuffer)
CPU	8-Bit
Remarks	

C167CR

Manufacturer	Infineon
CAN Version	Full-/BasicCAN 2.0B
Objectmemory	14 Tx-/Rx-Buffer 1 Rx-Buffer (Doublebuffer)
CPU	16-Bit
Remarks	

M37630M4

Manufacturer	Mitsubishi
CAN Version	Full-/BasicCAN 2.0B
Objectmemory	1 Tx-Buffer 2 Rx-Buffer
CPU	8-Bit
Remarks	

COP884BC

Manufacturer	National Semiconductor
CAN Version	BasicCAN 2.0B

Objectmemory	1 Tx-Buffer (1 Byte) 1 Rx-Buffer (1 Byte)
CPU	8-Bit
Remarks	

80C196CA

Manufacturer	Intel
CAN Version	Full-/BasicCAN 2.0B
Objectmemory	14 Tx-/Rx-Buffer 1 Rx-Buffer (Doublebuffer)
CPU	16-Bit
Remarks	

MC68376

Manufacturer	Motorola
CAN Version	Full-/BasicCAN 2.0B
Objectmemory	16 Tx-/Rx-Buffer
CPU	32-Bit
Remarks	

μPD78-Serie

Manufacturer	NEC
CAN Version	FullICAN 2.0B
Objectmemory	2 Tx-Buffer 16 Rx-Buffer
CPU	8-Bit
Remarks	

CR16MCS9

Manufacturer	National Semiconductor
CAN Version	FullICAN 2.0B

Objectmemory	15 Tx-/Rx-Buffer 1 Rx-Buffer
CPU	16-Bit RISC
Remarks	

MB90F5xx

Manufacturer	Fujitsu
CAN Version	FullCAN 2.0B
Objectmemory	16 Tx-/Rx-Buffer
CPU	16-Bit
Remarks	

μControllers with multiple integrated CAN-Controllers (selection)**C167CS**

Manufacturer	Infineon
CAN Version	2 x Full-/BasicCAN 2.0B
Objectmemory	2 x 14 Tx-/Rx-Buffer 2 x 1 Rx-Buffer (Doublebuffer)
CPU	16-Bit
Remarks	

MPC555

Manufacturer	Motorola
CAN Version	2 x Full-/BasicCAN 2.0B
Objectmemory	2 x 16 Tx-/Rx-Buffer
CPU	32-Bit
Remarks	

DS80C390

Manufacturer	Dallas
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CAN Version	2 x FullCAN 2.0B
Objectmemory	2 x 14 Tx-/Rx-Buffer 2 x 1 Rx-Buffer (Doublebuffer)
CPU	8-Bit
Remarks	

MB90F594

Manufacturer	Fujitsu
CAN Version	2 x FullCAN 2.0B
Objectmemory	2 x 16 Tx-/Rx-Buffer
CPU	16-Bit
Remarks	

SH7055

Manufacturer	Hitachi
CAN Version	2 x FullCAN 2.0B
Objectmemory	
CPU	32-Bit
Remarks	