

Microcontroller, High Performance, C166 Family C164CI Series Microcontrollers, C166, 16bit, 20 MHz

Manufacturers	Infineon Technologies Corporation
Package/Case	QFP-80
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SAK-C164CI-8EM or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

SAK-C164CI-8EM is a microcontroller chip from the SAK-C164 family, which is part of the C166 series of microcontrollers developed by Infineon Technologies. It is a 16-bit microcontroller with an embedded core from the C166SV2 architecture, operating at a frequency of up to 80 MHz.

Features

16-bit C166SV2 CPU core with 80 MHz maximum frequency

8 KB of data RAM and 8 KB of program Flash memory

UART, SPI, I2C, and CAN interfaces for communication

12-bit ADC (Analog-to-Digital Converter) and 12-bit DAC (Digital-to-Analog Converter)

Timers and PWM (Pulse Width Modulation) modules for precise timing and control

External memory interface for connecting external memory devices

Low-power modes for power management

Wide operating voltage range and temperature range for versatile applications

Integrated safety features, such as memory protection, ECC (Error Correction Code) for Flash memory, and hardware watchdog timer for enhanced system reliability.



Related Products



[SAK-XC164CS-32F40F](#)

Infineon Technologies Corporation
TQFP-100



[SAB-C167SR-LM](#)

Infineon Technologies Corporation
DC00 PACKAGE QFP 144PIN TRAY



[SAK-C167CS-L40M](#)

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MQFP-144



[SAK-C167SR-LM](#)

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QFP-160



[SAF-C164CI-8EM](#)

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QFP-80



[SAF-XC161CJ-16F40F](#)

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TQFP144



[SAK-C164CL-8RM](#)

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QFP80



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TQFP-144