8-Bit CMOS Microcontroller

Manufacturers	Infineon Technologies Corporation
Package/Case	QFP100
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for SAF-C509-LM or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

SAF-C509-LM is a microcontroller produced by Infineon Technologies. It belongs to the C500 family and is designed for use in safety-critical applications such as automotive and industrial control systems.

Features

80C51 core with 64KB of on-chip Flash memory and 4KB of on-chip RAM

Two 16-bit timer/counters and one 8-bit timer/counter

Two UARTs, one SPI interface, and one I²C interface

10-bit ADC with eight multiplexed inputs

Watchdog timer and brown-out detection

Built-in safety features, such as hardware-based memory protection and error correction code (ECC) for the on-chip Flash memory

Application

Automotive systems, such as engine management, transmission control, and braking systems

Industrial control systems, such as programmable logic controllers (PLCs) and motor control

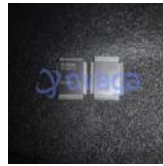Medical equipment

Aerospace and defense systems

Related Products

BTT6200-4ESA

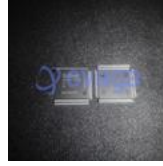Infineon Technologies Corporation

SSOP-24

SAF-C515C-LM

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QFP-80

SAB-C165-LM

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QFP-100

SAB80C166-M-T3

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QFP-100

SAF-C165UTAH-LF

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QFP

SAK-C167CS-32FM

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QFP144

SAB-C505L-4EM

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QFP-80

SAH-C164SL-8RM

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QFP-80