

NXP USA Inc.

### MC9S08AW16CFDE

Part Number: [MC9S08AW16CFDE](#)  
 Manufacturer/Brand: NXP USA Inc.  
 Product description: IC MCU 8BIT 16KB FLASH 48QFN  
 Datasheets:  
 RoHS Status: Lead free / RoHS Compliant  
 Stock Condition: 11951 pcs stock  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

#### Specifications of MC9S08AW16CFDE

PART NUMBER	MC9S08AW16CFDE
MANUFACTURER	NXP USA Inc.
DESCRIPTION	IC MCU 8BIT 16KB FLASH 48QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	11951 pcs
DATA SHEET	
VOLTAGE - SUPPLY (VCC/VDD)	FLASH
VOLTAGE - BREAKDOWN	48-QFN-EP (7x7)
SERIES	S08
ROHS STATUS	Tray
REVERSE RECOVERY TIME (TRR)	40MHz
REQUIRES	LVD, POR, PWM, WDT
PROGRAM MEMORY TYPE	16KB (16K x 8)
PROGRAM MEMORY SIZE	I <sup>2</sup> C, SCI, SPI
POLARIZATION	48-VFQFN Exposed Pad
OTHER NAMES	935316626557
OSCILLATOR TYPE	A/D 8x10b
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
OPERATING SYSTEM	S08
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER PART NUMBER	MC9S08AW16CFDE
EXPANDED DESCRIPTION	S08 S08 Microcontroller IC 8-Bit 40MHz 16KB (16K x 8) FLASH 48-QFN-EP (7x7)
DESCRIPTION	IC MCU 8BIT 16KB FLASH 48QFN
DATA SRAM BYTES	-
DATA CONVERTERS	2.7 V ~ 5.5 V
CORE SIZE	1K x 8
CONTROLLER SERIES	Internal
CONNECTIVITY	8-Bit
CLOCK RATE	38

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	<p><b>MC9S08AW16CFUE</b>                  Manufacturers: NXP                  Description: IC MCU 8BIT 16KB FLASH 64QFP                  In stock: 14102 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>MC9S08AC96MFUE</b>                  Manufacturers: NXP                  Description: IC MCU 8BIT 96KB FLASH 64QFP                  In stock: 11938 pcs</p> <p><a href="#">RFQ</a></p>
	<p><b>MC9S08AW16CPUE</b>                  Manufacturers: NXP                  Description: IC MCU 8BIT 16KB FLASH 64LQFP                  In stock: 13662 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>MC9S08AC96CFUE</b>                  Manufacturers: NXP                  Description: IC MCU 8BIT 96KB FLASH 64QFP                  In stock: 17274 pcs</p> <p><a href="#">RFQ</a></p>
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	<p><b>MC9S08AC96CLKE</b>                  Manufacturers: NXP                  Description: IC MCU 8BIT 96KB FLASH 80LQFP                  In stock: 17196 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>MC9S08AW16MFDE</b>                  Manufacturers: NXP                  Description: IC MCU 8BIT 16KB FLASH 48QFN                  In stock: 18554 pcs</p> <p><a href="#">RFQ</a></p>
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	<p><b>MC9S08AC96CFUER</b>                  Manufacturers: NXP                  Description: 96K FLASH 8K RAM                  In stock: 19585 pcs</p> <p><a href="#">RFQ</a></p>		<p><b>MC9S08AW16MFGE</b>                  Manufacturers: NXP                  Description: IC MCU 8BIT 16KB FLASH 44LQFP                  In stock: 15933 pcs</p> <p><a href="#">RFQ</a></p>