

NXP Semiconductors / Freescale

MC9S08AC16MFDE

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S08AC16MFDE                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 8BIT 16KB FLASH 48QFN                                                                                 |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 28768 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

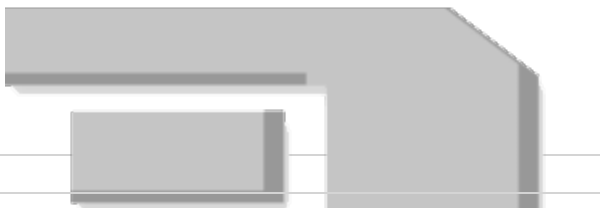
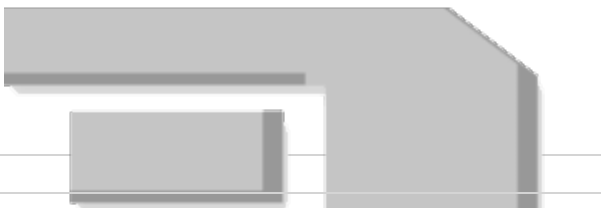
Specifications of MC9S08AC16MFDE

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| PART NUMBER                      | MC9S08AC16MFDE                                                              |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                              |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 48QFN                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                  |
| QUANTITY AVAILABLE               | 28768 pcs                                                                   |
| DATA SHEET                       |                                                                             |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                               |
| SUPPLIER DEVICE PACKAGE          | 48-QFN-EP (7x7)                                                             |
| SPEED                            | 40MHz                                                                       |
| SERIES                           | S08                                                                         |
| RAM SIZE                         | 1K x 8                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                       |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                              |
| PERIPHERALS                      | LVD, POR, PWM, WDT                                                          |
| PACKAGING                        | Tray                                                                        |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                        |
| OTHER NAMES                      | 935316974557                                                                |
| OSCILLATOR TYPE                  | Internal                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                          |
| NUMBER OF I/O                    | 38                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                  |
| EEPROM SIZE                      | -                                                                           |
| DETAILED DESCRIPTION             | S08 S08 Microcontroller IC 8-Bit 40MHz 16KB (16K x 8) FLASH 48-QFN-EP (7x7) |
| DATA CONVERTERS                  | A/D 8x10b                                                                   |
| CORE SIZE                        | 8-Bit                                                                       |
| CORE PROCESSOR                   | S08                                                                         |
| CONNECTIVITY                     | I <sup>2</sup> C, SCI, SPI                                                  |
| BASE PART NUMBER                 | MC9S08AC16                                                                  |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| MC9S08AC16MFDE               | MC9S08AC16MFDE Distributor        | MC9S08AC16MFDE Supplier  |
| MC9S08AC16MFDE Price         | MC9S08AC16MFDE Pictures           | MC9S08AC16MFDE Image     |
| MC9S08AC16MFDE PDF Datasheet | MC9S08AC16MFDE Download Datasheet | MC9S08AC16MFDE Datasheet |
| MC9S08AC16MFDE Stock         | Buy MC9S08AC16MFDE                | Buy MC9S08AC16MFDE       |
| MC9S08AC16MFDE               | Supplier                          | Distributor              |

Related Products

|                                                                                    |                                                                                                                                           |                                                                                      |                                                                                                                                          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>MC9S08AC16MFJE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 16132 pcs</p> <p>RFQ</p>  |  | <p><b>MC9S08AC32CFGE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 32KB FLASH 44LQFP<br/>In stock: 14158 pcs</p> <p>RFQ</p> |
|  | <p><b>MC9S08AC16CFGER</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 16KB FLASH 44LQFP<br/>In stock: 27607 pcs</p> <p>RFQ</p> |  | <p><b>MC9S08AC16MBE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 16KB FLASH 42PSDIP<br/>In stock: 5887 pcs</p> <p>RFQ</p>  |
|  | <p><b>MC9S08AC16CFJE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 18194 pcs</p> <p>RFQ</p>  |  | <p><b>MC9S08AC16CFDE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 16KB FLASH 48QFN<br/>In stock: 17385 pcs</p> <p>RFQ</p>  |
|  | <p><b>MC9S08AC32CFJE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: 16889 pcs</p> <p>RFQ</p>  |  | <p><b>MC9S08AC32CFDE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 32KB FLASH 48QFN<br/>In stock: 17199 pcs</p> <p>RFQ</p>  |
|  | <p><b>MC9S08AC32CFGER</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 32KB FLASH 44LQFP<br/>In stock: 14287 pcs</p> <p>RFQ</p> |  | <p><b>MC9S08AC16CFGE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 16KB FLASH 44LQFP<br/>In stock: 16393 pcs</p> <p>RFQ</p> |
|  | <p><b>MC9S08AC16CFJER</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 35578 pcs</p> <p>RFQ</p> |  | <p><b>MC9S08AC16MFGE</b></p> <p>Manufacturers: NXP<br/>Description: IC MCU 8BIT 16KB FLASH 44LQFP<br/>In stock: 27357 pcs</p> <p>RFQ</p> |