



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

MC9S08DZ16AMLF

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC9S08DZ16AMLF                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 8BIT 16KB FLASH 48LQFP                                                                                |
|                     |  1.MC9S08DZ16AMLF.pdf       |
|                     |  2.MC9S08DZ16AMLF.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of MC9S08DZ16AMLF

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MC9S08DZ16AMLF                                                                                                                                                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                       |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 48LQFP                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| DATA SHEET                       |  1.MC9S08DZ16AMLF.pdf<br> 2.MC9S08DZ16AMLF.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (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-LQFP                                                                                                                                                                                                              |
| OTHER NAMES                      | 935310017557                                                                                                                                                                                                         |
| OSCILLATOR TYPE                  | External                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                   |
| NUMBER OF I/O                    | 39                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                        |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                                                                                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| EEPROM SIZE                      | 512 x 8                                                                                                                                                                                                              |
| DETAILED DESCRIPTION             | S08 S08 Microcontroller IC 8-Bit 40MHz 16KB (16K x 8) FLASH 48-LQFP (7x7)                                                                                                                                            |
| DATA CONVERTERS                  | A/D 16x12b                                                                                                                                                                                                           |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                |
| CORE PROCESSOR                   | S08                                                                                                                                                                                                                  |
| CONNECTIVITY                     | CANbus, I²C, LINbus, SCI, SPI                                                                                                                                                                                        |
| BASE PART NUMBER                 | MC9S08DZ16                                                                                                                                                                                                           |

Related Tags

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| Freescale Semiconductor - NXP MC9S08DZ16AMLF  | NXP USA Inc. MC9S08DZ16AMLF             |                                                   |

Related Products

|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |
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|  <div><b>MC9S08DZ128MLH</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 128KB FLASH 64LQFP<br/>In stock: 198 pcs<br/><div>RFQ</div></div>    |  <div><b>MC9S08DZ16MLF</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 16KB FLASH 48LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MC9S08DZ16MLC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>MC9S08DZ16CLC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MC9S08DZ128CLLR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S08DZ 8-BIT MCU S08 CORE 128KB<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MC9S08DZ128MLF</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 128KB FLASH 48LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MC9S08DZ16ACLC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 853 pcs<br/><div>RFQ</div></div>     |  <div><b>MC9S08DZ16ACLF</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 16KB FLASH 48LQFP<br/>In stock: 12 pcs<br/><div>RFQ</div></div>     |
|  <div><b>MC9S08DZ16CLF</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 16KB FLASH 48LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>MC9S08DZ32ACLF</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 32KB FLASH 48LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>MC9S08DZ32ACLC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>MC9S08DZ128MLL</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 128KB FLASH 100LQFP<br/>In stock: 443 pcs<br/><div>RFQ</div></div>  |