



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

### MC68HC16Z1MAG16

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC68HC16Z1MAG16                                                                                                       |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                        |
| Product description | IC MCU 16BIT ROMLESS 144LQFP                                                                                          |
| Datasheets:         |  <a href="#">MC68HC16Z1MAG16.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant          |
| Ship From           | Hong Kong                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                 |

REQUEST FOR QUOTATION

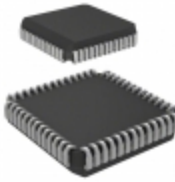
#### Specifications of MC68HC16Z1MAG16

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MC68HC16Z1MAG16                                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                          |
| DESCRIPTION                      | IC MCU 16BIT ROMLESS 144LQFP                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| DATA SHEET                       |  <a href="#">MC68HC16Z1MAG16.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                                        |
| SPEED                            | 16MHz                                                                                                                   |
| SERIES                           | HC16                                                                                                                    |
| RAM SIZE                         | 1K x 8                                                                                                                  |
| PROGRAM MEMORY TYPE              | ROMless                                                                                                                 |
| PROGRAM MEMORY SIZE              | -                                                                                                                       |
| PERIPHERALS                      | POR, PWM, WDT                                                                                                           |
| PACKAGING                        | Tray                                                                                                                    |
| PACKAGE / CASE                   | 144-LQFP                                                                                                                |
| OTHER NAMES                      | 935323938557                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                      |
| NUMBER OF I/O                    | 16                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| EEPROM SIZE                      | -                                                                                                                       |
| DETAILED DESCRIPTION             | CPU16 HC16 Microcontroller IC 16-Bit 16MHz ROMless 144-LQFP (20x20)                                                     |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                               |
| CORE SIZE                        | 16-Bit                                                                                                                  |
| CORE PROCESSOR                   | CPU16                                                                                                                   |
| CONNECTIVITY                     | EBI/EMI, SCI, SPI                                                                                                       |
| BASE PART NUMBER                 | MC68HC16                                                                                                                |

#### Related Tags

|                                                |                                         |                                                    |
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| NXP Semiconductors / Freescale MC68HC16Z1MAG16 | MC68HC16Z1MAG16 Distributor             | MC68HC16Z1MAG16 Supplier                           |
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| Freescale Semiconductor - NXP MC68HC16Z1MAG16  | NXP USA Inc. MC68HC16Z1MAG16            |                                                    |

#### Related Products

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| <div></div> <div><b>MC68HC705C8AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 8KB OTP 42PSDIP<br/>In stock: Out stock<br/><div>RFQ</div></div>    | <div></div> <div><b>MC68HC16Z1MEH16</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT ROMLESS 132QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>MC68HC16Z1CAG25</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT ROMLESS 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>MC68HC705C8ACFN</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 8KB OTP 44PLCC<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
| <div></div> <div><b>MC68HC16Z1VEH16</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT ROMLESS 132QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MC68HC16Z1CEH25</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT ROMLESS 132QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>MC68HC16Z1CEH16</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT ROMLESS 132QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MC68HC16Z1CPV16</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT ROMLESS 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>MC68HC705B16NCFN</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 15KB OTP 52PLCC<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>MC68HC705C8ACFB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 8BIT 8KB OTP 44QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
| <div></div> <div><b>MC68HC16Z1CEH20</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT ROMLESS 132QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MC68HC16Z1CPV25</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 16BIT ROMLESS 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |