

MC68HC16Z1CAG20

Part Number: [MC68HC16Z1CAG20](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT ROMLESS 144LQFP

Data sheet: [MC68HC16Z Series Users Guide](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER              |                                                                     |                                  |                                                |
|--------------------------------|---------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                    | MC68HC16Z1CAG20                                                     | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                    | IC MCU 16BIT ROMLESS 144LQFP                                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available             | 4148 pcs                                                            | Data sheet                       | <a href="#">MC68HC16Z Series Users Guide</a>   |
| Category                       | <a href="#">Integrated Circuits (ICs)</a>                           | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                  |
| Supplier Device Package        | 144-LQFP (20x20)                                                    | Speed                            | 20MHz                                          |
| 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                      | 935325151557                                   |
| Oscillator Type                | Internal                                                            | Operating Temperature            | -40°C ~ 85°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 20MHz 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                                       |

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|                  | Part#: <a href="#">MC68HC11K1CFN4</a><br>Description: IC MCU 8BIT ROMLESS 84PLCC    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|                  | Part#: <a href="#">MC68HC11K1CFUE4</a><br>Description: IC MCU 8BIT ROMLESS 80QFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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