

MC908AP8CFBER



Part Number: [MC908AP8CFBER](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 8KB FLASH 44QFP

Data sheet:  [MC68HC908AP8,16,32,64](#)

RoHs Status: Lead free / RoHS Compliant

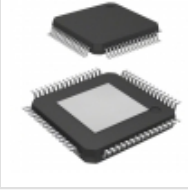
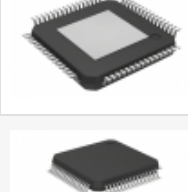
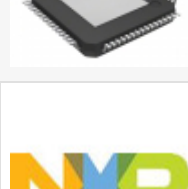
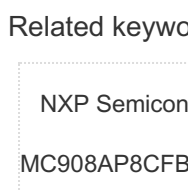
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MC908AP8CFBER                             | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 8KB FLASH 44QFP               | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4703 pcs                                  | Data sheet                     | <a href="#">MC68HC908AP8,16,32,64</a>                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44-QFP (10x10)                            | Speed                          | 8MHz                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HC08                                      | RAM Size                       | 1K x 8                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size            | 8KB (8K x 8)                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LED, LVD, POR, PWM                        | Packaging                      | Tape & Reel (TR)                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 44-QFP                                    | Oscillator Type                | Internal                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 85°C (TA)                         | Number of I/O                  | 32                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Detailed Description           | HC08 HC08 Microcontroller IC 8-Bit 8MHz 8KB (8K x 8) FLASH 44-QFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x10b                                 | Core Size                      | 8-Bit                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HC08                                      | Connectivity                   | I <sup>2</sup> C, IRSCI, SCI, SPI                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MC908AP8                                  |                                |                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                               |                     |
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|  | Part#: <a href="#">MC908AS60ACFUER</a><br>Description: 64K FLASH W/2K EEPROM         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908AS60ACFUE</a><br>Description: IC MCU 8BIT 60KB FLASH 64QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908AP8ACBE</a><br>Description: IC MCU 8BIT 8KB FLASH 42PSDIP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC908AP64CFBER</a><br>Description: IC MCU 8BIT 64KB FLASH 44QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MC908AS60ACFNE</a><br>Description: IC MCU 8BIT 60KB FLASH 52PLCC  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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