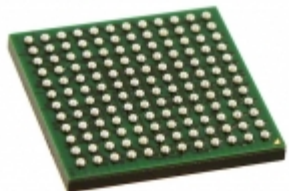


MCF52258CVN66J



**Part Number:** [MCF52258CVN66J](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MCU 32BIT 512KB FLASH 144BGA

**Data sheet:**  [MCF52259](#)

**RoHs Status:** Lead free / RoHS Compliant

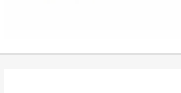
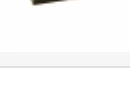
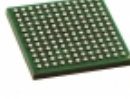
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MCF52258CVN66J                            | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 512KB FLASH 144BGA           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5391 pcs                                  | Data sheet                     | <a href="#">MCF52259</a>                                                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 144-MAPBGA (13x13)                        | Speed                          | 66MHz                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MCF5225x                                  | RAM Size                       | 64K x 8                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size            | 512KB (512K x 8)                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 144-LBGA                                  | Oscillator Type                | Internal                                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C (TA)                         | Number of I/O                  | 96                                                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                     |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description           | Coldfire V2 MCF5225x Microcontroller IC 32-Bit 66MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x12b                                 | Core Size                      | 32-Bit                                                                                         |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Coldfire V2                               | Connectivity                   | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, QSPI, UART/USART, USB OTG                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MCF52258                                  |                                |                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                               |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MCF52259CVN80J</a><br>Description: IC MCU 32BIT 512KB FLASH 144BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52254CAF66</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52264AF80</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52258CAG66</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52259CAG80</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52256CVN66</a><br>Description: IC MCU 32BIT 256KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52274CLU120</a><br>Description: IC MCU 32BIT ROMLESS 176LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52256CAG66</a><br>Description: IC MCU 32BIT 256KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52268VN80J</a><br>Description: IC MCU 32BIT 512KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52268VN80</a><br>Description: IC MCU 32BIT 512KB FLASH 144BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52255CAF80</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52259CVN80</a><br>Description: IC MCU 32BIT 512KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52268AG80</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52256VN80J</a><br>Description: IC MCU 32BIT 256KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MCF52256VN80</a><br>Description: IC MCU 32BIT 256KB FLASH 144BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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