

MCF51JF64VHS



Part Number: [MCF51JF64VHS](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 64KB FLASH 48LQFP

Data sheet:  [MCF51JF128 Datasheet](#)  
 [ColdFire+ Portfolio Brief](#)

RoHS Status: Lead free / RoHS Compliant

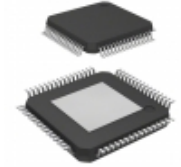
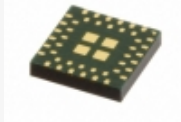
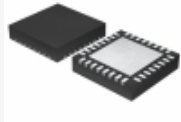
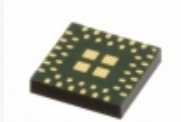
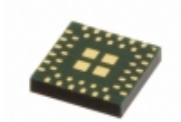
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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                        |                                  |                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MCF51JF64VHS                                                                           | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 64KB FLASH 48LQFP                                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 36325 pcs                                                                              | Data sheet                       | <a href="#">MCF51JF128 Datasheet</a><br><a href="#">ColdFire+ Portfolio Brief</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                              | Voltage - Supply (Vcc/Vdd)       | 1.71 V ~ 3.6 V                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 48-LQFP (7x7)                                                                          | Speed                            | 50MHz                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MCF51Jx                                                                                | RAM Size                         | 16K x 8                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                                                                  | Program Memory Size              | 64KB (64K x 8)                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT                                              | Packaging                        | Tray                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 48-LQFP                                                                                | Other Names                      | 568-14306<br>935321754557<br>MCF51JF64VHS-ND                                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | External                                                                               | Operating Temperature            | -40°C ~ 105°C (TA)                                                                |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 31                                                                                     | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead free / RoHS Compliant                                                             | EEPROM Size                      | -                                                                                 |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Coldfire V1 MCF51Jx Microcontroller IC 32-Bit 50MHz 64KB (64K x 8) FLASH 48-LQFP (7x7) | Data Converters                  | A/D 9x12b, D/A 1x12b                                                              |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 32-Bit                                                                                 | Core Processor                   | Coldfire V1                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EBI/EMI, I <sup>2</sup> C, SPI, UART/USART, USB OTG                                    | Base Part Number                 | MCF51JF64                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MCF51JF64VLF</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JM128EVLK</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JM128EVQH</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JF32VHS</a><br>Description: IC MCU 32BIT 32KB FLASH 44MAPLGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JE256VLK</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JE256VML</a><br>Description: IC MCU 32BIT 256KB FLASH 104BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JM128VLHR</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JF32VFM</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JM128EVL D</a><br>Description: IC MCU 32BIT 128KB FLASH 44LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JF128VLH</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JE256CML</a><br>Description: IC MCU 32BIT 256KB FLASH 104BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JG256CHS</a><br>Description: IC MCU 32BIT 256KB FLASH 44LGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JE256VLL</a><br>Description: IC MCU 32BIT 256KB FLASH 100LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JM128VLH</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP USA Inc.</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JM128EVLH</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JM128VLK</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JF128VHS</a><br>Description: IC MCU 32BIT 128KB FLASH 44LGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JE256CMB</a><br>Description: IC MCU 32BIT 256KB FLASH 81BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JE256VMB</a><br>Description: IC MCU 32BIT 256KB FLASH 81BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51JM128VLD</a><br>Description: IC MCU 32BIT 128KB FLASH 44LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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| NXP USA Inc. MCF51JF64VHS                   |                                 |                        |                                            |