

MCF51AC256ACPUE



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Part Number: [MCF51AC256ACPUE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 64LQFP

Data sheet:  [840F-02 Pkg Drawing](#)  
 [MCF51AC256](#)

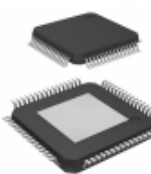
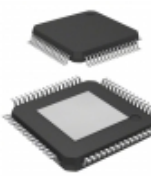
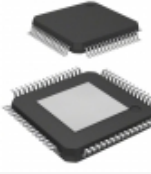
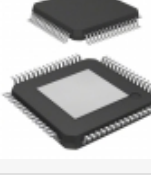
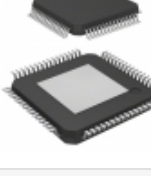
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                  |                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MCF51AC256ACPUE                           | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 256KB FLASH 64LQFP           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11453 pcs                                 | Data sheet                       | <a href="#">840F-02 Pkg Drawing</a><br><a href="#">MCF51AC256</a>                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 64-LQFP (10x10)                           | Speed                            | 50MHz                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MCF51AC                                   | RAM Size                         | 32K x 8                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                     | Program Memory Size              | 256KB (256K x 8)                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LVD, PWM, WDT                             | Packaging                        | Tray                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 64-LQFP                                   | Other Names                      | 935309283557                                                                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | External                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 54                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                         | Detailed Description             | Coldfire V1 MCF51AC Microcontroller IC 32-Bit 50MHz 256KB (256K x 8) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A/D 20x12b                                | Core Size                        | 32-Bit                                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Coldfire V1                               | Connectivity                     | CANbus, I <sup>2</sup> C, SCI, SPI                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MCF51AC256                                |                                  |                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                               |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">MCF51AC256ACPUER</a><br>Description: MCF51AC 32-BIT MCU COLDFIRE V1  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCF51AC128CVLKE</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCF51AC256AVLKE</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCF51AC128CQLKE</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCF51AC256BCLKER</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCF51AC128CVFUE</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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