

MCF51AG96CLF



Part Number: [MCF51AG96CLF](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 96KB FLASH 48LQFP

Data sheet:  [MCF51AG128 Fact Sheet](#)  
 [MCF51AG\(96,128\)](#)  
 [MCF51AG128 Reference Manual](#)

RoHs Status: Lead free / RoHS Compliant

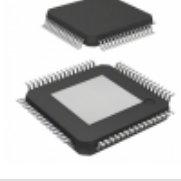
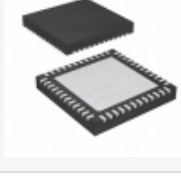
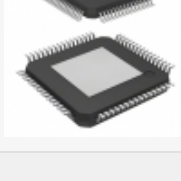
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                |                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MCF51AG96CLF                              | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 32BIT 96KB FLASH 48LQFP            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5970 pcs                                  | Data sheet                     | <a href="#">MCF51AG128 Fact Sheet</a><br><a href="#">MCF51AG(96,128)</a><br><a href="#">MCF51AG128 Reference Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.7 V ~ 5.5 V                                                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 48-LQFP (7x7)                             | Speed                          | 50MHz                                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MCF51AG                                   | RAM Size                       | 16K x 8                                                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                     | Program Memory Size            | 96KB (96K x 8)                                                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DMA, LVD, PWM, WDT                        | Packaging                      | Tray                                                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 48-LQFP                                   | Oscillator Type                | Internal                                                                                                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 85°C (TA)                         | Number of I/O                  | 39                                                                                                                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                              |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                         | Detailed Description           | Coldfire V1 MCF51AG Microcontroller IC 32-Bit 50MHz 96KB (96K x 8) FLASH 48-LQFP (7x7)                                  |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A/D 12x12b                                | Core Size                      | 32-Bit                                                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Coldfire V1                               | Connectivity                   | SCI, SPI                                                                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MCF51AG96                                 |                                |                                                                                                                         |
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|  | Part#: <a href="#">MCF51AG96CLH</a><br>Description: IC MCU 32BIT 96KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51CN128CLK</a><br>Description: IC MCU 32BIT 128KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51AG96CLK</a><br>Description: IC MCU 32BIT 96KB FLASH 80LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCF51AC256BVLKE</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="#">MCF51AG128CLF</a><br>Description: IC MCU 32BIT 128KB FLASH 48LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51AG128CQH</a><br>Description: IC MCU 32BIT 128KB FLASH 64QFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51CN128CGT</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCF51AC256BVPUE</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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