

MCF52110CVM80



Part Number: [MCF52110CVM80](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 128KB FLASH 81BGA

Data sheet:  [MCF52110 Errata](#)  
 [MCF52110 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MCF52110CVM80                             | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 128KB FLASH 81BGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5994 pcs                                  | Data sheet                     | <a href="#">MCF52110 Errata</a><br><a href="#">MCF52110 Datasheet</a>                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 3 V ~ 3.6 V                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 81-MAPBGA (10x10)                         | Speed                          | 80MHz                                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MCF521xx                                  | RAM Size                       | 16K x 8                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size            | 128KB (128K x 8)                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DMA, LVD, POR, PWM, WDT                   | Packaging                      | Tray                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 81-LBGA                                   | Oscillator Type                | Internal                                                                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 85°C (TA)                         | Number of I/O                  | 56                                                                                            |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                    |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Detailed Description           | Coldfire V2 MCF521xx Microcontroller IC 32-Bit 80MHz 128KB (128K x 8) FLASH 81-MAPBGA (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x12b                                 | Core Size                      | 32-Bit                                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Coldfire V2                               | Connectivity                   | I <sup>2</sup> C, SPI, UART/USART                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MCF52110                                  |                                |                                                                                               |
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