

MC56F8323VFB60



Part Number: [MC56F8323VFB60](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 32KB FLASH 64LQFP

Data sheet:  [840F-02 Pkg Drawing](#)  
 [MC56F8123/8323](#)

RoHS Status: Contains lead / RoHS non-compliant

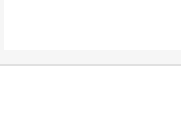
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MC56F8323VFB60                            | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 16BIT 32KB FLASH 64LQFP            | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4565 pcs                                  | Data sheet                     | <a href="#">840F-02 Pkg Drawing</a><br><a href="#">MC56F8123/8323</a>                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.25 V ~ 3.6 V                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-LQFP (10x10)                           | Speed                          | 60MHz                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56F8xxx                                   | RAM Size                       | 12K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size            | 32KB (16K x 16)                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | POR, PWM, Temp Sensor, WDT                | Packaging                      | Tray                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 64-LQFP                                   | Oscillator Type                | Internal                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 105°C (TA)                        | Number of I/O                  | 27                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description           | 56800E 56F8xxx Microcontroller IC 16-Bit 60MHz 32KB (16K x 16) FLASH 64-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x12b                                 | Core Size                      | 16-Bit                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 56800E                                    | Connectivity                   | CANbus, SCI, SPI                                                                     |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MC56F8323                                 |                                |                                                                                      |
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|  | Part#: <a href="#">MC56F8323MFBE</a><br>Description: IC MCU 16BIT 32KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8335MFGE</a><br>Description: IC MCU 16BIT 64KB FLASH 128LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8323EVME</a><br>Description: BOARD EVALUATION MC56F8323         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82748MLHR</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8345MFGE</a><br>Description: IC MCU 16BIT 128KB FLASH 128LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8323VFBE</a><br>Description: IC MCU 16BIT 32KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8345VFGE</a><br>Description: IC MCU 16BIT 128KB FLASH 128LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8346MFVE</a><br>Description: IC MCU 16BIT 128KB FLASH 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8346VFVE</a><br>Description: IC MCU 16BIT 128KB FLASH 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8347MPYE</a><br>Description: IC MCU 16BIT 128KB FLASH 160LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82748VLHR</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82748VLH</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8322VFAER2</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8322VFAE</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP     | Manufacturers: <a href="#">NXP USA Inc.</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8335VFGER</a><br>Description: 16-BIT DSC 56800E CORE 64KB FL    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8335VFGE</a><br>Description: IC MCU 16BIT 64KB FLASH 128LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8346VFVER2</a><br>Description: IC MCU 16BIT 128KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8300DSK</a><br>Description: KIT DEV STARTER 56F8300             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8322MFAE</a><br>Description: IC MCU 16BIT 32KB FLASH 48LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8323EVM</a><br>Description: KIT EVALUATION FOR MC56F8323        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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