

MC56F8257VLH



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Part Number: [MC56F8257VLH](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 64KB FLASH 64LQFP

Data sheet: 

 [MC56F825x,824x Ref Manual](#)

 [840F-02 Pkg Drawing](#)

 [MC56F82xx Fact Sheet](#)

 [MC56F825x/MC56F824x Errata](#)

 [MC56F825x/824x Datasheet](#)

 [MC56F825x/824x Product Brief](#)

RoHs Status: Lead free / RoHS Compliant

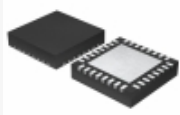
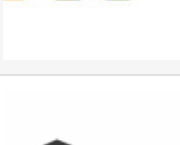
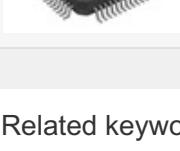
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| PRODUCT PARAMETER  |                                |                                |                                                                                                                                                                                                                                                                                                                       |
|--------------------|--------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number        | MC56F8257VLH                   | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                                                                                                                                        |
| Description        | IC MCU 16BIT 64KB FLASH 64LQFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                            |
| Quantity Available | 17384 pcs                      | Data sheet                     | <div><a href="#">MC56F825x,824x Ref Manual</a></div> <div><a href="#">840F-02 Pkg Drawing</a></div> <div><a href="#">MC56F82xx Fact Sheet</a></div> <div><a href="#">MC56F825x/MC56F824x Errata</a></div> <div><a href="#">MC56F825x/824x Datasheet</a></div> <div><a href="#">MC56F825x/824x Product Brief</a></div> |

| Category | [Integrated Circuits \(ICs\)](#) | Voltage - Supply (Vcc/Vdd) | 3 V ~ 3.6 V |
| Supplier Device Package | 64-LQFP (10x10) | Speed | 60MHz |
| Series | 56F8xxx | RAM Size | 4K x 16 |
| Program Memory Type | FLASH | Program Memory Size | 64KB (32K x 16) |
| Peripherals | LVD, POR, PWM, WDT | Packaging | Tray |
| Package / Case | 64-LQFP | Other Names | 935314406557 |
| Oscillator Type | Internal | Operating Temperature | -40°C ~ 105°C (TA) |
| Number of I/O | 54 | Moisture Sensitivity Level (MSL) | 3 (168 Hours) |
| Manufacturer Standard Lead Time | 12 Weeks | Lead Free Status / RoHS Status | Lead free / RoHS Compliant |
| EEPROM Size | - | Detailed Description | 56800E 56F8xxx Microcontroller IC 16-Bit 60MHz 64KB (32K x 16) FLASH 64-LQFP (10x10) |
| Data Converters | A/D 16x12b, D/A 1x12b | Core Size | 16-Bit |
| Core Processor | 56800E | Connectivity | CANbus, I<sup>2</sup>C, LINbus, SCI, SPI |
| Base Part Number | MC56F8257 |  |  |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                               |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MC56F8255VLD</a><br>Description: IC MCU 16BIT 64KB FLASH 44LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8246MLFR</a><br>Description: 16-BIT DSC 56800E CORE 48KB FL  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82736VLF</a><br>Description: IC MCU 32BIT 48KB FLASH 48LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82723VLC</a><br>Description: IC MCU 32BIT 32KB FLASH 32LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82733VLC</a><br>Description: IC MCU 32BIT 48KB FLASH 32LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82723VFM</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8255MLD</a><br>Description: IC MCU 16BIT 64KB FLASH 44LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8256VLF</a><br>Description: IC MCU 16BIT 64KB FLASH 48LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8246VLFR</a><br>Description: 16-BIT DSC 56800E CORE 48KB FL  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8247MLH</a><br>Description: IC MCU 16BIT 48KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8247VLH</a><br>Description: IC MCU 16BIT 48KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82728VLH</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82733MFM</a><br>Description: 32-BIT DSC 56800EX CORE 48KB F  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8246VLF</a><br>Description: IC MCU 16BIT 48KB FLASH 48LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82736VLFR</a><br>Description: 32-BIT DSC 56800EX CORE 48KB F | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82726VLFR</a><br>Description: IC MCU 32BIT 32KB FLASH 48LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8247VLHR</a><br>Description: 16-BIT DSC 56800E CORE 48KB FL  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82726VLF</a><br>Description: IC MCU 32BIT 32KB FLASH 48LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F82733VFM</a><br>Description: IC MCU 32BIT 48KB FLASH 32QFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC56F8257MLH</a><br>Description: IC MCU 16BIT 64KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

Related keywords for MC56F8257VLH

|                                             |                                 |                        |                                            |
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