

MC56F8002VWLR



Part Number: [MC56F8002VWLR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: 16-BIT DSC 56800E CORE 12KB FL

Data sheet:  [MC56F8006, MC56F8002](#)

RoHs Status:

Ship From: Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                  |                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MC56F8002VWLR                             | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 16-BIT DSC 56800E CORE 12KB FL            | Lead Free Status / RoHS Status   |                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 35538 pcs                                 | Data sheet                       | <a href="#">MC56F8006, MC56F8002</a>                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 28-SOIC                                   | Speed                            | 32MHz                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56F8xxx                                   | RAM Size                         | 1K x 16                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size              | 12KB (6K x 16)                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LVD, POR, PWM, WDT                        | Packaging                        | Tape & Reel (TR)                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28-SOIC (0.295", 7.50mm Width)            | Other Names                      | 935315467518                                                                |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 23                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                               |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description             | 56800E 56F8xxx Microcontroller IC 16-Bit 32MHz 12KB (6K x 16) FLASH 28-SOIC |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 15x12b                                | Core Size                        | 16-Bit                                                                      |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 56800E                                    | Connectivity                     | I <sup>2</sup> C, LINbus, SCI, SPI                                          |
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|  | Part#: <a href="#">MC5616</a><br>Description: DIODE GEN PURP 3KV 570MA S AXIAL        | Manufacturers: <a href="#">Microsemi</a>                      | <div>RFQ</div> |
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