

DSP56F826BU80



Part Number: [DSP56F826BU80](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 64KB FLASH 100LQFP

Data sheet:  [DSP56F826](#)

RoHs Status: Contains lead / RoHS non-compliant

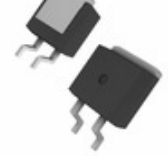
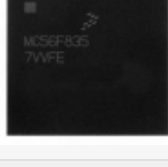
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | DSP56F826BU80                             | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 16BIT 64KB FLASH 100LQFP           | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                      | 5983 pcs                                  | Data sheet                     | <a href="#">DSP56F826</a>                                                           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.25 V ~ 2.75 V                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                 | 100-LQFP (14x14)                          | Speed                          | 80MHz                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56F8xx                                    | RAM Size                       | 4K x 16                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size            | 64KB (32K x 16)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                             | POR, WDT                                  | Packaging                      | Tray                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                          | 100-LQFP                                  | Oscillator Type                | External                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C (TA)                         | Number of I/O                  | 46                                                                                  |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                  |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description           | 56800 56F8xx Microcontroller IC 16-Bit 80MHz 64KB (32K x 16) FLASH 100-LQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                         | Core Size                      | 16-Bit                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                          | 56800                                     | Connectivity                   | EBI/EMI, SCI, SPI, SSI                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | DSP56F826                                 |                                |                                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                     |
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|  | Part#: <a href="#">DSP56F807VF80</a><br>Description: IC MCU 16BIT 120KB FLASH 160BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP60-24</a><br>Description: AC/DC CONVERTER 24V 60W                | Manufacturers: <a href="#">TDK-Lambda Americas, Inc.</a>      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F807PY80E</a><br>Description: IC MCU 16BIT 120KB FLASH 160LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F803BU80</a><br>Description: IC MCU 16BIT 64KB FLASH 100LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP60-15</a><br>Description: AC/DC CONVERTER 15V 60W                | Manufacturers: <a href="#">TDK-Lambda Americas, Inc.</a>      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F802TA80E</a><br>Description: IC MCU 16BIT 16KB FLASH 32LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56L307EVM</a><br>Description: KIT EVALUATION FOR XC56L307        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F827FG80E</a><br>Description: IC MCU 16BIT 128KB FLASH 128LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F826BU80E</a><br>Description: IC MCU 16BIT 64KB FLASH 100LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F803EVM</a><br>Description: KIT EVALUATION FOR DSP56F803       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP8-08A</a><br>Description: DIODE ARRAY GP 800V 11A TO220AB        | Manufacturers: <a href="#">IXYS Corporation</a>               | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F805FV80E</a><br>Description: IC MCU 16BIT 64KB FLASH 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP8-08AS</a><br>Description: DIODE ARRAY GP 800V 11A TO263         | Manufacturers: <a href="#">IXYS Corporation</a>               | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F803BU80E</a><br>Description: IC MCU 16BIT 64KB FLASH 100LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F826EVM</a><br>Description: KIT EVALUATION FOR DSP56F826       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F805FV80</a><br>Description: IC MCU 16BIT 64KB FLASH 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F805EVM</a><br>Description: KIT EVALUATION FOR DSP56F805       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP60-12</a><br>Description: AC/DC CONVERTER 12V 60W                | Manufacturers: <a href="#">TDK-Lambda Americas, Inc.</a>      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP60-5</a><br>Description: AC/DC CONVERTER 5V 60W                  | Manufacturers: <a href="#">TDK-Lambda Americas, Inc.</a>      | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSP56F807VF80E</a><br>Description: IC MCU 16BIT 120KB FLASH 160BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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