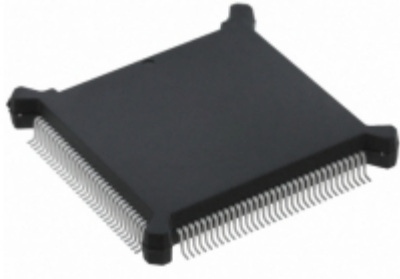


MC68306FC16B



Part Number: [MC68306FC16B](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU M683XX 16MHZ 132QFP

Data sheet:  [MC68306 User Manual](#)

RoHs Status: Contains lead / RoHS non-compliant

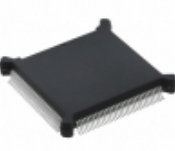
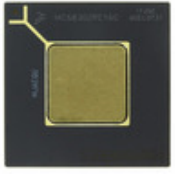
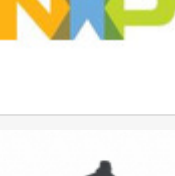
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                            |                                  |                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MC68306FC16B                                                               | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MPU M683XX 16MHZ 132QFP                                                 | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4417 pcs                                                                   | Data sheet                       | <a href="#">MC68306 User Manual</a>            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a>                                  | Voltage - I/O                    | 5.0V                                           |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                          | Supplier Device Package          | 132-PQFP (24.13x24.13)                         |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 16MHz                                                                      | Series                           | M683xx                                         |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                          | SATA                             | -                                              |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DRAM                                                                       | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 132-BQFP Bumped                                                            | Operating Temperature            | 0°C ~ 70°C (TA)                                |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 Core, 32-Bit                                                             | Moisture Sensitivity Level (MSL) | 4 (72 Hours)                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Contains lead / RoHS non-compliant                                         | Graphics Acceleration            | No                                             |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                                                          | Display & Interface Controllers  | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EC000 Microprocessor IC M683xx 1 Core, 32-Bit 16MHz 132-PQFP (24.13x24.13) | Core Processor                   | EC000                                          |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                          | Base Part Number                 | MC68306                                        |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DUART                                                                      |                                  |                                                |
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| RELATED PRODUCTS                                                                   |                                                                                   |                                                               |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MC68331CEH25</a><br>Description: IC MCU 32BIT ROMLESS 132QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68302RC25C</a><br>Description: IC MPU M683XX 25MHZ 132PGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331CAG25</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68306AG20B</a><br>Description: IC MPU M683XX 20MHZ 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68306EH16BR2</a><br>Description: IC MPU M683XX 16MHZ 132QFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68302PV25C</a><br>Description: IC MPU M683XX 25MHZ 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331CAG20</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68302RC16C</a><br>Description: IC MPU M683XX 16MHZ 132PGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331CPV16</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68306CEH16B</a><br>Description: IC MPU M683XX 16MHZ 132QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331CAG16</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331CEH20</a><br>Description: IC MCU 32BIT ROMLESS 132QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331CFC16</a><br>Description: IC MCU 32BIT ROMLESS 132QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331CFC16B1</a><br>Description: IC MCU 32BIT ROMLESS 132QFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68302PV33C</a><br>Description: IC MPU M683XX 33MHZ 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68306AG16B</a><br>Description: IC MPU M683XX 16MHZ 144LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331MEH16</a><br>Description: IC MCU 32BIT ROMLESS 132QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68331CEH16</a><br>Description: IC MCU 32BIT ROMLESS 132QFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68306EH16B</a><br>Description: IC MPU M683XX 16MHZ 132QFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MC68302RC20C</a><br>Description: IC MPU M683XX 20MHZ 132PGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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