



Image may be representation. See specifications for product details.

MC68306CEH16B

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MC68306CEH16B                                                                                                |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU M683XX 16MHZ 132QFP                                                                                   |
|                     |  1.MC68306CEH16B.pdf        |
|                     |  2.MC68306CEH16B.pdf        |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         | Hong Kong                                                                                                    |
| Ship From           |                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

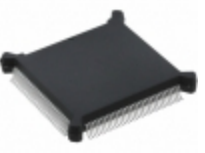
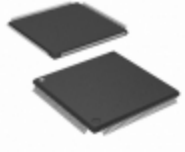
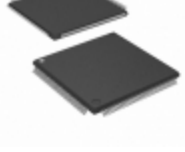
Specifications of MC68306CEH16B

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MC68306CEH16B                                                                                                                                                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                     |
| DESCRIPTION                      | IC MPU M683XX 16MHZ 132QFP                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| DATA SHEET                       |  1.MC68306CEH16B.pdf<br> 2.MC68306CEH16B.pdf |
| 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            | -40°C ~ 85°C (TA)                                                                                                                                                                                                  |
| NUMBER OF CORES/BUS WIDTH        | 1 Core, 32-Bit                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS 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                                                                                                                                                                                                              |

Related Tags

|                                              |                                         |                                                  |
|----------------------------------------------|-----------------------------------------|--------------------------------------------------|
| NXP Semiconductors / Freescale MC68306CEH16B | MC68306CEH16B Distributor               | MC68306CEH16B Supplier                           |
| MC68306CEH16B Price                          | MC68306CEH16B Pictures                  | MC68306CEH16B Image                              |
| MC68306CEH16B PDF Datasheet                  | MC68306CEH16B Download Datasheet        | MC68306CEH16B Datasheet                          |
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| NXP Semiconductors / Freescale MC68306CEH16B | NXP Semiconductors MC68306CEH16B        | Freescale MC68306CEH16B                          |
| Freescale Semiconductor - NXP MC68306CEH16B  | NXP USA Inc. MC68306CEH16B              |                                                  |

Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MC68306FC16B</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 16MHZ 132QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>MC68306EH16B</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 16MHZ 132QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MC68302PV33C</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 33MHZ 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>MC68331CAG16</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT ROMLESS 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MC68331CAG25</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT ROMLESS 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MC68306EH16BR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 16MHZ 132QFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MC68306AG20B</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 20MHZ 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>MC68302RC16C</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 16MHZ 132PGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MC68306AG16B</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 16MHZ 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>MC68331CAG20</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT ROMLESS 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MC68302RC25C</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 25MHZ 132PGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>MC68302RC20C</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU M683XX 20MHZ 132PGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |