

MC68EC060ZU66



Part Number: [MC68EC060ZU66](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU M680X0 66MHZ 304TBGA

Data sheet:  [M68060](#)  
 [MC68060,68EC060,68LC060 Product Brief](#)

RoHs Status: Contains lead / RoHS non-compliant

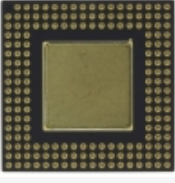
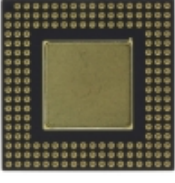
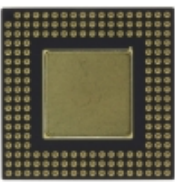
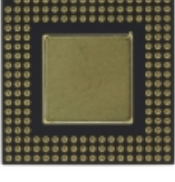
Ship From: Hong Kong

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      |                                  |                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MC68EC060ZU66                                                        | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MPU M680X0 66MHZ 304TBGA                                          | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5539 pcs                                                             | Data sheet                       | <a href="#">M68060</a><br><a href="#">MC68060,68EC060,68LC060 Product Brief</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                            | Voltage - I/O                    | 5.0V                                                                            |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                    | Supplier Device Package          | 304-TBGA (31x31)                                                                |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 66MHz                                                                | Series                           | M680x0                                                                          |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                    | SATA                             | -                                                                               |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                                                    | Packaging                        | Tray                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 304-LBGA Exposed Pad                                                 | Operating Temperature            | 0°C ~ 70°C (TA)                                                                 |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 Core, 32-Bit                                                       | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Contains lead / RoHS non-compliant                                   | Graphics Acceleration            | No                                                                              |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                    | Display & Interface Controllers  | -                                                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 68060 Microprocessor IC M680x0 1 Core, 32-Bit 66MHz 304-TBGA (31x31) | Core Processor                   | 68060                                                                           |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                    | Base Part Number                 | MC68EC060                                                                       |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SCI, SPI                                                             |                                  |                                                                                 |
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|  | Part#: <a href="#">MC68EN302CAG20BT</a><br>Description: IC MPU M683XX 20MHZ 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EN302AG25BT</a><br>Description: IC MPU M683XX 25MHZ 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC040RC33A</a><br>Description: IC MPU M680X0 33MHZ 179PGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC040RC40A</a><br>Description: IC MPU M680X0 40MHZ 179PGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EN302PV20BT</a><br>Description: IC MPU M683XX 20MHZ 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC040FE40A</a><br>Description: IC MPU M680X0 40MHZ 184CQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EN302AG20BT</a><br>Description: IC MPU M683XX 20MHZ 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EN360CAI25L</a><br>Description: IC MPU M683XX 25MHZ 240FQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC060ZU75</a><br>Description: IC MPU M680X0 75MHZ 304TBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EN302PV25BT</a><br>Description: IC MPU M683XX 25MHZ 144LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EN360AI25VL</a><br>Description: IC MPU M683XX 25MHZ 240FQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC040RC20A</a><br>Description: IC MPU M680X0 20MHZ 179PGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EN360AI25L</a><br>Description: IC MPU M683XX 25MHZ 240FQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC040FE33A</a><br>Description: IC MPU M680X0 33MHZ 184CQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC060RC75</a><br>Description: IC MPU M680X0 75MHZ 206PGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC040RC25A</a><br>Description: IC MPU M680X0 25MHZ 179PGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC060RC66</a><br>Description: IC MPU M680X0 66MHZ 206PGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC060ZU50</a><br>Description: IC MPU M680X0 50MHZ 304TBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MC68EC060RC50</a><br>Description: IC MPU M680X0 50MHZ 206PGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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