

MC68F375BGMZP33



Part Number: [MC68F375BGMZP33](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 217BGA

Data sheet:  [MC68F375 Reference Manual](#)

RoHs Status: Contains lead / RoHS non-compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |                                  |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | MC68F375BGMZP33                                                                      | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT 256KB FLASH 217BGA                                                      | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 1610 pcs                                                                             | Data sheet                       | <a href="#">MC68F375 Reference Manual</a>      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 5.25 V                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 217-PBGA (23x23)                                                                     | Speed                            | 33MHz                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | M683xx                                                                               | RAM Size                         | 10K x 8                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                                | Program Memory Size              | 256KB (256K x 8)                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | POR, PWM, WDT                                                                        | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 217-BBGA                                                                             | Other Names                      | 935325165557                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                                             | Operating Temperature            | -40°C ~ 125°C (TA)                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                             | 48                                                                                   | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                            | Contains lead / RoHS non-compliant                                                   | EEPROM Size                      | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                      | CPU32 M683xx Microcontroller IC 32-Bit 33MHz 256KB (256K x 8) FLASH 217-PBGA (23x23) | Data Converters                  | A/D 16x10b                                     |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-Bit                                                                               | Core Processor                   | CPU32                                          |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | CANbus, SPI, UART/USART                                                              | Base Part Number                 | MC68F375                                       |
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|  | Part#: <a href="#">MC68EN360ZQ25VL</a><br>Description: IC MPU M683XX 25MHZ 357BGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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