

nuvoTon

Nuvoton Technology Corporation

America

nuvoTon

M0518SD2AE

|                     |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Part Number:        | M0518SD2AE                                                                                                       |
| Manufacturer/Brand: | Nuvoton Technology Corporation America                                                                           |
| Product description | IC MCU 32BIT 68KB FLASH 64LQFP                                                                                   |
| Datasheets:         |  <a href="#">M0518SD2AE.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant     |
| Stock Condition     | 39104 pcs stock                                                                                                  |
| Ship From           | Hong Kong                                                                                                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                            |

REQUEST FOR QUOTATION

Specifications of M0518SD2AE

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M0518SD2AE                                                                                                         |
| MANUFACTURER                     | Nuvoton Technology Corporation America                                                                             |
| DESCRIPTION                      | IC MCU 32BIT 68KB FLASH 64LQFP                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                         |
| QUANTITY AVAILABLE               | 39104 pcs                                                                                                          |
| DATA SHEET                       |  <a href="#">M0518SD2AE.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.5 V ~ 5.5 V                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (7x7)                                                                                                      |
| SPEED                            | 50MHz                                                                                                              |
| SERIES                           | NuMicro M0518                                                                                                      |
| RAM SIZE                         | 8K x 8                                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                              |
| PROGRAM MEMORY SIZE              | 68KB (68K x 8)                                                                                                     |
| PERIPHERALS                      | Brown-out Detect/Reset, LVR, POR, PWM, WDT                                                                         |
| PACKAGING                        | Tray                                                                                                               |
| PACKAGE / CASE                   | 64-LQFP                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                 |
| NUMBER OF I/O                    | 56                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                         |
| EEPROM SIZE                      | -                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0 NuMicro M0518 Microcontroller IC 32-Bit 50MHz 68KB (68K x 8) FLASH 64-LQFP (7x7)                   |
| DATA CONVERTERS                  | A/D 8x12b                                                                                                          |
| CORE SIZE                        | 32-Bit                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                                    |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                 |

Related Tags

|                                                   |                                                 |                                                       |
|---------------------------------------------------|-------------------------------------------------|-------------------------------------------------------|
| Nuvoton Technology Corporation America M0518SD2AE | M0518SD2AE Distributor                          | M0518SD2AE Supplier                                   |
| M0518SD2AE Price                                  | M0518SD2AE Pictures                             | M0518SD2AE Image                                      |
| M0518SD2AE PDF Datasheet                          | M0518SD2AE Download Datasheet                   | M0518SD2AE Datasheet                                  |
| M0518SD2AE Stock                                  | Buy M0518SD2AE                                  | Buy Nuvoton Technology Corporation America M0518SD2AE |
| Nuvoton Technology Corporation America M0518SD2AE | Nuvoton Technology Corporation America Supplier | Nuvoton Technology Corporation America Distributor    |
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Related Products

|                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>nuvoTon</div><div><div>M0519VE3AE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 22005 pcs</div><div>RFQ</div></div></div> | <div><div>nuvoTon</div><div><div>M0516ZDE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 64KB FLASH 33QFN<br/>In stock: 45490 pcs</div><div>RFQ</div></div></div>                                                                            |
| <div><div>nuvoTon</div><div><div>M0518LD2AE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 68KB FLASH 48LQFP<br/>In stock: 47731 pcs</div><div>RFQ</div></div></div>   | <div><div>nuvoTon</div><div><div>M0516ZAN</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 64KB FLASH 33QFN<br/>In stock: 3046 pcs</div><div>RFQ</div></div></div>                                                                             |
| <div><div>nuvoTon</div><div><div>M052LAN</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 8KB FLASH 48LQFP<br/>In stock: 6312 pcs</div><div>RFQ</div></div></div>        | <div><div>nuvoTon</div><div><div>M0518SC2AE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 36KB FLASH 64LQFP<br/>In stock: 41866 pcs</div><div>RFQ</div></div></div>                                                                         |
| <div><div>nuvoTon</div><div><div>M0519SE3AE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 27865 pcs</div><div>RFQ</div></div></div>  | <div><div></div><div><div>M0516ZBN</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 64KB FLASH 33QFN<br/>In stock: 3376 pcs</div><div>RFQ</div></div></div> |
| <div><div>nuvoTon</div><div><div>M0518LC2AE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 36KB FLASH 48LQFP<br/>In stock: 52254 pcs</div><div>RFQ</div></div></div>   | <div><div>nuvoTon</div><div><div>M0519LE3AE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 34994 pcs</div><div>RFQ</div></div></div>                                                                        |
| <div><div>nuvoTon</div><div><div>M0519LD3AE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 35729 pcs</div><div>RFQ</div></div></div>   | <div><div>nuvoTon</div><div><div>M0519SD3AE</div><div>Manufacturers: Nuvoton Technology Corporation America<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 39434 pcs</div><div>RFQ</div></div></div>                                                                         |