

NUC120RE3AN



Part Number: [NUC120RE3AN](#)

Manufacturer: [Nuvoton Technology Corporation America](#)

Description: IC MCU 32BIT 128KB FLASH 64LQFP

Data sheet:  [NUC120 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

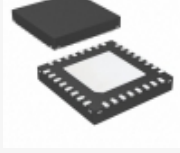
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |                                |                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NUC120RE3AN                                               | Manufacturer                   | <a href="#">Nuvoton Technology Corporation America</a>                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 32BIT 128KB FLASH 64LQFP                           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4906 pcs                                                  | Data sheet                     | <a href="#">NUC120 Datasheet</a>                                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a>                 | Voltage - Supply (Vcc/Vdd)     | 2.5 V ~ 5.5 V                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64-LQFP (7x7)                                             | Speed                          | 50MHz                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NuMicro™ NUC120                                           | RAM Size                       | 16K x 8                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FLASH                                                     | Program Memory Size            | 128KB (128K x 8)                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Brown-out Detect/Reset, DMA, I²S, LVD, POR, PS2, PWM, WDT | Packaging                      | Tray                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-LQFP                                                   | Oscillator Type                | Internal                                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C ~ 85°C (TA)                                         | Number of I/O                  | 45                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 (168 Hours)                                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                         | Detailed Description           | ARM® Cortex®-M0 NuMicro™ NUC120 Microcontroller IC 32-Bit 50MHz 128KB (128K x 8) FLASH 64-LQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A/D 8x12b                                                 | Core Size                      | 32-Bit                                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ARM® Cortex®-M0                                           | Connectivity                   | EBI/EMI, I²C, IrDA, SPI, UART/USART, USB                                                             |
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|  | Part#: <a href="#">NUC120RD2BN</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP   | Manufacturers: <a href="#">Nuvoton Technology Corporation America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NUC120RD1BN</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP   | Manufacturers: <a href="#">Nuvoton Technology Corporation America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NUC120RE3DN</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">Nuvoton Technology Corporation America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">NUC120LD3AN</a><br>Description: IC MCU 32BIT 64KB FLASH 48LQFP   | Manufacturers: <a href="#">Nuvoton Technology Corporation America</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">NUC120RD3AN</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP   | Manufacturers: <a href="#">Nuvoton Technology Corporation America</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">NUC122SD2AN</a><br>Description: IC MCU 32BIT 64KB FLASH 64LQFP   | Manufacturers: <a href="#">Nuvoton Technology Corporation America</a> | <a href="#">RFQ</a> |
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