

NANO130KD3BN



Part Number: [NANO130KD3BN](#)

Manufacturer [Nuvoton Technology Corporation America](#)

Description IC MCU 32BIT 64KB FLASH 128LQFP

Data sheet:

RoHS Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NANO130KD3BN                              | Manufacturer                     | <a href="#">Nuvoton Technology Corporation America</a>                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 64KB FLASH 128LQFP           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 25035 pcs                                 | Data sheet                       |                                                                                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                         |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 42MHz                                     | Series                           | NuMicro™ Nano130                                                                      |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16K x 8                                   | Program Memory Type              | FLASH                                                                                 |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 64KB (64K x 8)                            | Peripherals                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                  |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tray                                      | Package / Case                   | 128-LQFP                                                                              |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 86                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                         |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 18 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Detailed Description             | ARM® Cortex®-M0 NuMicro™ Nano130 Microcontroller IC 32-Bit 42MHz 64KB (64K x 8) FLASH |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x12b, D/A 2x12b                      | Core Size                        | 32-Bit                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M0                           | Connectivity                     | EBI/EMI, I²C, SPI, UART/USART, USB                                                    |
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|  | Part#: <a href="#">NANOASMDC020F-2</a><br>Description: PTC RESET FUSE 24V 200MA 1206 | Manufacturers: <a href="#">Hamlin / Littelfuse</a>                    | <div>RFQ</div> |
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