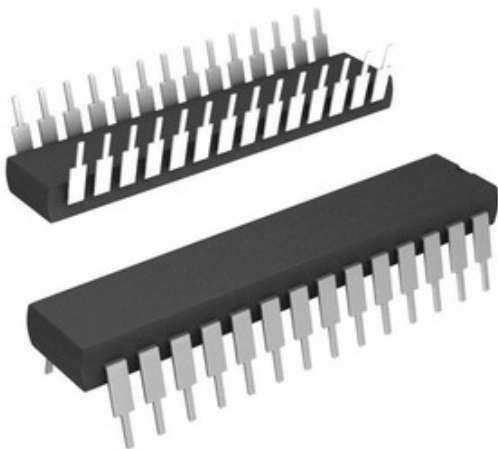




Arduino.ORG



X000048

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | X000048                                                                                                      |
| Manufacturer/Brand: | Arduino.ORG                                                                                                  |
| Product description | IC MCU 8BIT 32KB FLASH 28DIP                                                                                 |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of X000048

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| PART NUMBER                      | X000048                                                                                |
| MANUFACTURER                     | Arduino.ORG                                                                            |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 28DIP                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                             |
| DATA SHEET                       |                                                                                        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                          |
| SUPPLIER DEVICE PACKAGE          | 28-DIP                                                                                 |
| SPEED                            | 20MHz                                                                                  |
| SERIES                           | -                                                                                      |
| RAM SIZE                         | 2K x 8                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH (Arduino Bootloader)                                                             |
| PROGRAM MEMORY SIZE              | 32KB (16K x 16)                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                  |
| PACKAGING                        | Bulk                                                                                   |
| PACKAGE / CASE                   | 28-DIP (0.300", 7.62mm)                                                                |
| OTHER NAMES                      | 1050-1019<br>A000048                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                      |
| NUMBER OF I/O                    | 23                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                          |
| MANUFACTURER STANDARD LEAD TIME  | 3 Weeks                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                             |
| EEPROM SIZE                      | 1K x 8                                                                                 |
| DETAILED DESCRIPTION             | AVR - Microcontroller IC 8-Bit 20MHz 32KB (16K x 16) FLASH (Arduino Bootloader) 28-DIP |
| DATA CONVERTERS                  | A/D 6x10b                                                                              |
| CORE SIZE                        | 8-Bit                                                                                  |
| CORE PROCESSOR                   | AVR                                                                                    |
| CONNECTIVITY                     | I <sup>2</sup> C, SPI, UART/USART                                                      |

Related Tags

|                       |                            |                         |
|-----------------------|----------------------------|-------------------------|
| Arduino.ORG X000048   | X000048 Distributor        | X000048 Supplier        |
| X000048 Price         | X000048 Pictures           | X000048 Image           |
| X000048 PDF Datasheet | X000048 Download Datasheet | X000048 Datasheet       |
| X000048 Stock         | Buy X000048                | Buy Arduino.ORG X000048 |
| Arduino.ORG X000048   | Arduino.ORG Supplier       | Arduino.ORG Distributor |
| Arduino.ORG X000048   | Arduino X000048            | Arduino.ORG X000048     |
| Genuino X000048       | Genuino (Arduino) X000048  |                         |

Related Products

|                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>X00602MA 5AL2</b><br/>Manufacturers: STMicroelectronics<br/>Description: SCR 600V .8A TO-92<br/>In stock: Out stock<br/>RFQ</div>        |  <div><b>X000018</b><br/>Manufacturers: Arduino.ORG<br/>Description: HOLDER TYPE UNO 5PCS<br/>In stock: 59 pcs<br/>RFQ</div>                 |
|  <div><b>X0000316</b><br/>Manufacturers: Crouzet<br/>Description: MOTOR 82660+GEARBOX GDR 826620 R<br/>In stock: Out stock<br/>RFQ</div>          |  <div><b>X000016</b><br/>Manufacturers: Arduino.ORG<br/>Description: ANTENNA GSM<br/>In stock: 28 pcs<br/>RFQ</div>                          |
|  <div><b>X000010</b><br/>Manufacturers: Arduino.ORG<br/>Description: POE MODULE 5V<br/>In stock: Out stock<br/>RFQ</div>                          |  <div><b>X00602MN5BA4</b><br/>Manufacturers: STMicroelectronics<br/>Description: SCR 0.8A 600V SOT-223<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>X00602MA 1AA2</b><br/>Manufacturers: STMicroelectronics<br/>Description: SCR 0.8A 200UA 600V TO-92<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>X000005</b><br/>Manufacturers: Arduino.ORG<br/>Description: RF ANT WHIP STR SMA MALE CONN MT<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>X000004</b><br/>Manufacturers: Arduino.ORG<br/>Description: RF ANT 850MHZ/900MHZ FLAT PATCH<br/>In stock: Out stock<br/>RFQ</div>        |  <div><b>X00602MA 2AL2</b><br/>Manufacturers: STMicroelectronics<br/>Description: SCR 600V .8A TO92<br/>In stock: Out stock<br/>RFQ</div>    |
|  <div><b>X0060L5050AHF</b><br/>Manufacturers: Anaren<br/>Description: 0603 CROSSOVER 0-6000MHZ<br/>In stock: Out stock<br/>RFQ</div>              |  <div><b>X00605MA 1AA2</b><br/>Manufacturers: STMicroelectronics<br/>Description: SCR 0.8A 600V TO-92<br/>In stock: Out stock<br/>RFQ</div>  |