



Arduino.ORG

X000048

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| Part Number: | X000048 |
| Manufacturer/Brand: | Arduino.ORG |
| Product description: | IC MCU 8BIT 32KB FLASH 28DIP |
| Datasheets: | |
| RoHS Status: | Lead free / RoHS Compliant |
| Stock Condition: | 17483 pcs stock |
| Ship From: | Hong Kong |
| Shipment Way: | DHL/Fedex/TNT/UPS/EMS |

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.

Specifications of X000048

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| PART NUMBER | X000048 |
| MANUFACTURER | Arduino.ORG |
| DESCRIPTION | IC MCU 8BIT 32KB FLASH 28DIP |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| QUANTITY AVAILABLE | 17483 pcs |
| 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 A000048 |
| OSCILLATOR TYPE | Internal |
| OPERATING TEMPERATURE | -40°C ~ 85°C (TA) |
| NUMBER OF I/O | 23 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited) |
| 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 ² C, SPI, UART/USART |

Related Tags

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| Genuino X000048 | Genuino (Arduino) X000048 | |

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| <p>X000010 Manufacturers: Arduino.ORG Description: POE MODULE 5V In stock: 4096 pcs</p> <p>RFQ</p> | <p>X000004 Manufacturers: Arduino.ORG Description: RF ANT 850MHZ/900MHZ FLAT PATCH In stock: 7000 pcs</p> <p>RFQ</p> |
| <p>X00602MA 1AA2 Manufacturers: STMicroelectronics Description: SCR 0.8A 200UA 600V TO-92 In stock: 603230 pcs</p> <p>RFQ</p> | <p>X0000316 Manufacturers: Crouzet Description: MOTOR 82660+GEARBOX GDR 826620 R In stock: 205 pcs</p> <p>RFQ</p> |
| <p>X00602MA 5AL2 Manufacturers: STMicroelectronics Description: SCR 600V .8A TO-92 In stock: 656405 pcs</p> <p>RFQ</p> | <p>X00602MN5BA4 Manufacturers: STMicroelectronics Description: SCR 0.8A 600V SOT-223 In stock: 144071 pcs</p> <p>RFQ</p> |
| <p>X0060L5050AHF Manufacturers: Anaren Description: 0603 CROSSOVER 0-6000MHZ In stock: 532630 pcs</p> <p>RFQ</p> | <p>X000018 Manufacturers: Arduino.ORG Description: HOLDER TYPE UNO 5PCS In stock: 9520 pcs</p> <p>RFQ</p> |
| <p>X00605MA 1AA2 Manufacturers: STMicroelectronics Description: SCR 0.8A 600V TO-92 In stock: 745989 pcs</p> <p>RFQ</p> | <p>X000016 Manufacturers: Arduino.ORG Description: ANTENNA GSM In stock: 14497 pcs</p> <p>RFQ</p> |
| <p>X000005 Manufacturers: Arduino.ORG Description: RF ANT WHIP STR SMA MALE CONN MT In stock: 6617 pcs</p> <p>RFQ</p> | <p>X00602MA 2AL2 Manufacturers: STMicroelectronics Description: SCR 600V .8A TO92 In stock: 782680 pcs</p> <p>RFQ</p> |

