



STM8AL3166UCY

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM8AL3166UCY                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 8BIT 32KB FLASH 32QFN                                                                                 |
| Datasheets:         |  STM8AL3166UCY.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3556 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM8AL3166UCY

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM8AL3166UCY                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 32QFN                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 3556 pcs                                                                                              |
| DATA SHEET                       |  STM8AL3166UCY.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 32-VFQFPN (5x5)                                                                                       |
| SPEED                            | 16MHz                                                                                                 |
| SERIES                           | Automotive, AEC-Q100, STM8A                                                                           |
| RAM SIZE                         | 2K x 8                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                            |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                                  |
| OTHER NAMES                      | 497-16881                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                    |
| NUMBER OF I/O                    | 30                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | 1K x 8                                                                                                |
| DETAILED DESCRIPTION             | STM8 Automotive, AEC-Q100, STM8A Microcontroller IC 8-Bit 16MHz 32KB (32K x 8) FLASH 32-VFQFPN (5x5)  |
| DATA CONVERTERS                  | A/D 22x12b, D/A 1x12b                                                                                 |
| CORE SIZE                        | 8-Bit                                                                                                 |
| CORE PROCESSOR                   | STM8                                                                                                  |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART                                                       |

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| <div><div>life.augmented</div></div> <div><b>STM8AL3166TAX</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: 87023 pcs<br/><div>RFQ</div></div> | <div><div>life.augmented</div></div> <div><b>STM8AL3188TAX</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 8BIT 64KB FLASH 48LQFP<br/>In stock: 71154 pcs<br/><div>RFQ</div></div> |