



LAPIS Semiconductor



## ML610Q407P-NNNTB0AAL

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ML610Q407P-NNNTB0AAL                                                                                                       |
| Manufacturer/Brand: | LAPIS Semiconductor                                                                                                        |
| Product description | IC MCU 8BIT 16KB FLASH 100TQFP                                                                                             |
| Datasheets:         |  <a href="#">ML610Q407P-NNNTB0AAL.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant               |
| Stock Condition     | 22825 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 ML610Q407P-NNNTB0AAL

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ML610Q407P-NNNTB0AAL                                                                                                         |
| MANUFACTURER                     | LAPIS Semiconductor                                                                                                          |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 100TQFP                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| QUANTITY AVAILABLE               | 22825 pcs                                                                                                                    |
| DATA SHEET                       |  <a href="#">ML610Q407P-NNNTB0AAL.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.25 V ~ 3.6 V                                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (14x14)                                                                                                             |
| SPEED                            | 2.5MHz                                                                                                                       |
| SERIES                           | ML610400                                                                                                                     |
| RAM SIZE                         | 1K x 8                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                        |
| PROGRAM MEMORY SIZE              | 16KB (8K x 16)                                                                                                               |
| PERIPHERALS                      | LCD, Melody Driver, POR, PWM, WDT                                                                                            |
| PACKAGING                        | Tray                                                                                                                         |
| PACKAGE / CASE                   | 100-TQFP                                                                                                                     |
| OTHER NAMES                      | ML610Q407P-NNNTB0<br>ML610Q407PNNNTB0AAL                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                            |
| NUMBER OF I/O                    | 22                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                            |
| DETAILED DESCRIPTION             | nX-U8/100 ML610400 Microcontroller IC 8-Bit 2.5MHz 16KB (8K x 16) FLASH 100-TQFP (14x14)                                     |
| DATA CONVERTERS                  | A/D 2x16b                                                                                                                    |
| CORE SIZE                        | 8-Bit                                                                                                                        |
| CORE PROCESSOR                   | nX-U8/100                                                                                                                    |
| CONNECTIVITY                     | SSP, UART/USART                                                                                                              |
| BASE PART NUMBER                 | ML610Q407                                                                                                                    |

### Related Tags

|                                          |                                         |                                              |
|------------------------------------------|-----------------------------------------|----------------------------------------------|
| LAPIS Semiconductor ML610Q407P-NNNTB0AAL | ML610Q407P-NNNTB0AAL Distributor        | ML610Q407P-NNNTB0AAL Supplier                |
| ML610Q407P-NNNTB0AAL Price               | ML610Q407P-NNNTB0AAL Pictures           | ML610Q407P-NNNTB0AAL Image                   |
| ML610Q407P-NNNTB0AAL PDF Datasheet       | ML610Q407P-NNNTB0AAL Download Datasheet | ML610Q407P-NNNTB0AAL Datasheet               |
| ML610Q407P-NNNTB0AAL Stock               | Buy ML610Q407P-NNNTB0AAL                | Buy LAPIS Semiconductor ML610Q407P-NNNTB0AAL |
| LAPIS Semiconductor ML610Q407P-NNNTB0AAL | LAPIS Semiconductor Supplier            | LAPIS Semiconductor Distributor              |
| LAPIS Semiconductor ML610Q407P-NNNTB0AAL | Kionix Inc. ML610Q407P-NNNTB0AAL        | Rohm Semiconductor ML610Q407P-NNNTB0AAL      |

### Related Products

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|  <div><b>ML610Q408P-NNNTB03A7</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 16KB FLASH 100TQFP<br/>In stock: 3746 pcs</div> <div>RFQ</div>  |  <div><b>ML610Q178 REFERENCE BOARD</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: BOARD REF ML610Q178<br/>In stock: 1941 pcs</div> <div>RFQ</div>        |
|  <div><b>ML610Q178-NNNGAZ0AAL</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 128KB FLASH 100QFP<br/>In stock: 17625 pcs</div> <div>RFQ</div> |  <div><b>ML610Q408-NNNTBZ03A7</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 16KB FLASH 100TQFP<br/>In stock: 3427 pcs</div> <div>RFQ</div>  |
|  <div><b>ML610Q409-NNNTBZ03A7</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 16KB FLASH 100TQFP<br/>In stock: 3571 pcs</div> <div>RFQ</div>  |  <div><b>ML610Q408P-NNNTB0AAL</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 16KB FLASH 100TQFP<br/>In stock: 26652 pcs</div> <div>RFQ</div> |
|  <div><b>ML610Q407-NNNTBZ03A7</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 16KB FLASH 100TQFP<br/>In stock: 6959 pcs</div> <div>RFQ</div>  |  <div><b>ML610Q407 REFBOARD</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: BOARD REF ML610Q407/P<br/>In stock: 2955 pcs</div> <div>RFQ</div>             |
|  <div><b>ML610Q178REFERENCEBOARD</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: BOARD REFERENCE ML610Q178<br/>In stock: 1569 pcs</div> <div>RFQ</div>    |  <div><b>ML610Q408 REFBOARD</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: BOARD REF ML610Q408/P<br/>In stock: 5609 pcs</div> <div>RFQ</div>             |
|  <div><b>ML610Q409 REFBOARD</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: BOARD REF ML610Q409/P<br/>In stock: 3936 pcs</div> <div>RFQ</div>             |  <div><b>ML610Q407P-NNNTB03A7</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 16KB FLASH 100TQFP<br/>In stock: 4013 pcs</div> <div>RFQ</div>  |