



LAPIS Semiconductor



ML610Q101-NNNGDZ05BX

|                     |                                                                                                                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ML610Q101-NNNGDZ05BX                                                                                                                                                                                                                                         |
| Manufacturer/Brand: | LAPIS Semiconductor                                                                                                                                                                                                                                          |
| Product description | IC MCU 8BIT 4KB FLASH 16WQFN<br> 1.ML610Q101-NNNGDZ05BX.pdf<br> 2.ML610Q101-NNNGDZ05BX.pdf |
| Datasheets:         |  2.ML610Q101-NNNGDZ05BX.pdf                                                                                                                                                 |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                 |
| Stock Condition     | 154767 pcs stock                                                                                                                                                                                                                                             |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                        |

REQUEST FOR QUOTATION

Specifications of ML610Q101-NNNGDZ05BX

|                                  |                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ML610Q101-NNNGDZ05BX                                                                                                                                                                                                             |
| MANUFACTURER                     | LAPIS Semiconductor                                                                                                                                                                                                              |
| DESCRIPTION                      | IC MCU 8BIT 4KB FLASH 16WQFN                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 154767 pcs                                                                                                                                                                                                                       |
| DATA SHEET                       |  1.ML610Q101-NNNGDZ05BX.pdf<br> 2.ML610Q101-NNNGDZ05BX.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 16-WQFN (4x4)                                                                                                                                                                                                                    |
| SPEED                            | 8MHz                                                                                                                                                                                                                             |
| SERIES                           | ML610100                                                                                                                                                                                                                         |
| RAM SIZE                         | 256 x 8                                                                                                                                                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                            |
| PROGRAM MEMORY SIZE              | 4KB (2K x 16)                                                                                                                                                                                                                    |
| PERIPHERALS                      | POR, PWM, WDT                                                                                                                                                                                                                    |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 16-WFQFN Exposed Pad                                                                                                                                                                                                             |
| OTHER NAMES                      | ML610Q101-NNNGDZ05BXTR<br>ML610Q101-NNNGDZ0ANL<br>ML610Q101-NNNGDZTR<br>ML610Q101-NNNGDZTR-ND<br>ML610Q101NNNGDZTR<br>ML610Q101NNNGDZTR-ND                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                |
| NUMBER OF I/O                    | 11                                                                                                                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                       |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | nX-U8/100 ML610100 Microcontroller IC 8-Bit 8MHz 4KB (2K x 16) FLASH 16-WQFN (4x4)                                                                                                                                               |
| DATA CONVERTERS                  | A/D 6x10b                                                                                                                                                                                                                        |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                            |
| CORE PROCESSOR                   | nX-U8/100                                                                                                                                                                                                                        |
| CONNECTIVITY                     | UART/USART                                                                                                                                                                                                                       |

Related Tags

|                                          |                                         |                                              |
|------------------------------------------|-----------------------------------------|----------------------------------------------|
| LAPIS Semiconductor ML610Q101-NNNGDZ05BX | ML610Q101-NNNGDZ05BX Distributor        | ML610Q101-NNNGDZ05BX Supplier                |
| ML610Q101-NNNGDZ05BX Price               | ML610Q101-NNNGDZ05BX Pictures           | ML610Q101-NNNGDZ05BX Image                   |
| ML610Q101-NNNGDZ05BX PDF Datasheet       | ML610Q101-NNNGDZ05BX Download Datasheet | ML610Q101-NNNGDZ05BX Datasheet               |
| ML610Q101-NNNGDZ05BX Stock               | Buy ML610Q101-NNNGDZ05BX                | Buy LAPIS Semiconductor ML610Q101-NNNGDZ05BX |
| LAPIS Semiconductor ML610Q101-NNNGDZ05BX | LAPIS Semiconductor Supplier            | LAPIS Semiconductor Distributor              |
| LAPIS Semiconductor ML610Q101-NNNGDZ05BX | Kionix Inc. ML610Q101-NNNGDZ05BX        | Rohm Semiconductor ML610Q101-NNNGDZ05BX      |

Related Products

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|  <div><b>ML60R4FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 60.4 OHM 1/2W 1% AXIAL<br/>In stock: 5213847 pcs<br/><div>RFQ</div></div>                       |  <div><b>ML610Q111 REFERENCE BOARD</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: BOARD REF ML610Q111<br/>In stock: 5793 pcs<br/><div>RFQ</div></div>      |
|  <div><b>ML6042FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 60.4K OHM 1/2W 1% AXIAL<br/>In stock: 6620301 pcs<br/><div>RFQ</div></div>                      |  <div><b>ML610Q102REFERENCEBOARD</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: BOARD REFERENCE ML610Q102<br/>In stock: 1824 pcs<br/><div>RFQ</div></div>  |
|  <div><b>ML6043FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 604K OHM 1/2W 1% AXIAL<br/>In stock: 6530576 pcs<br/><div>RFQ</div></div>                       |  <div><b>ML6041FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 6.04K OHM 1/2W 1% AXIAL<br/>In stock: 5799248 pcs<br/><div>RFQ</div></div>                     |
|  <div><b>ML610Q102-NNNGDZ05BX</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 6KB FLASH 16WQFN<br/>In stock: 58477 pcs<br/><div>RFQ</div></div>  |  <div><b>ML6040FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 604 OHM 1/2W 1% AXIAL<br/>In stock: 6581704 pcs<br/><div>RFQ</div></div>                       |
|  <div><b>ML610Q101-NNNMBZ0ATL</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 4KB FLASH 16SSOP<br/>In stock: 122604 pcs<br/><div>RFQ</div></div> |  <div><b>ML610Q102 REFERENCE BOARD</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: BOARD REF ML610Q102<br/>In stock: 1570 pcs<br/><div>RFQ</div></div>      |
|  <div><b>ML602-024.576M</b><br/>Manufacturers: Connor-Winfield<br/>Description: OSC TCXO 24.576MHZ LVCMOS SMD<br/>In stock: 3833 pcs<br/><div>RFQ</div></div>            |  <div><b>ML610Q102-NNNMBZ0ATL</b><br/>Manufacturers: LAPIS Semiconductor<br/>Description: IC MCU 8BIT 6KB FLASH 16SSOP<br/>In stock: 59456 pcs<br/><div>RFQ</div></div> |