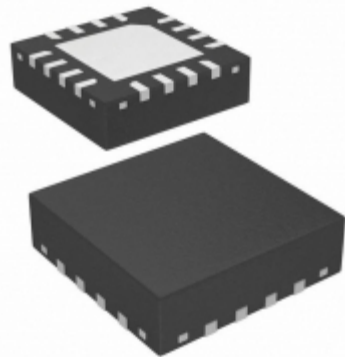


ML610Q102-NNNGDZ05BX




LAPIS Semiconductor

Part Number: [ML610Q102-NNNGDZ05BX](#)

Manufacturer: [LAPIS Semiconductor](#)

Description: IC MCU 8BIT 6KB FLASH 16WQFN

Data sheet:  [ML610Qzzz Connection Manual](#)
 [ML610Q101/ML610Q102](#)

RoHs Status: Lead free / RoHS Compliant

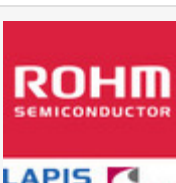
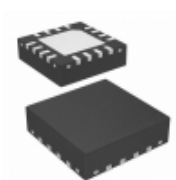
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	ML610Q102-NNNGDZ05BX	Manufacturer	LAPIS Semiconductor
Description	IC MCU 8BIT 6KB FLASH 16WQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	58774 pcs	Data sheet	ML610Qzzz Connection Manual ML610Q101/ML610Q102
Category	Integrated Circuits (ICs)	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	6KB (3K x 16)
Peripherals	POR, PWM, WDT	Packaging	Cut Tape (CT)
Package / Case	16-WQFN Exposed Pad	Other Names	ML610Q102-NNNGDZ05BXCT ML610Q102-NNNGDZCT ML610Q102-NNNGDZCT-ND ML610Q102NNNGDZCT ML610Q102NNNGDZCT-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	11	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	16 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	nX-U8/100 ML610100 Microcontroller IC 8-Bit 8MHz 6KB (3K x 16) FLASH 16-WQFN (4x4)
Data Converters	A/D 6x10b	Core Size	8-Bit
Core Processor	nX-U8/100	Connectivity	UART/USART
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RELATED PRODUCTS			
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	Part#: ML610Q101-NNNMBZ0ATL Description: IC MCU 8BIT 4KB FLASH 16SSOP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q102REFERENCEBOARD Description: BOARD REFERENCE ML610Q102	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q112-NNNTCZ07FL Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q111REFERENCEBOARD Description: BOARD REFERENCE ML610Q111	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q111-NNNTDZ07FL Description: IC MCU 8BIT 24KB FLASH 20TSSOP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML602-024.576M Description: OSC TCXO 24.576MHZ LVCMOS SMD	Manufacturers: Connor-Winfield	RFQ
	Part#: ML610Q102 REFERENCE BOARD Description: BOARD REF ML610Q102	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q172-NNNGAZWAX Description: IC MCU 8BIT 128KB FLASH 64QFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q101-NNNGDZ05BX Description: IC MCU 8BIT 4KB FLASH 16WQFN	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q173-NNNGAZWAX Description: IC MCU 8BIT 128KB FLASH 64QFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q112 REFERENCE BOARD Description: BOARD REF ML610Q112	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML602-020.0M Description: OSC TCXO 20.000MHZ LVCMOS SMD	Manufacturers: Connor-Winfield	RFQ
	Part#: ML6042FE-R52 Description: RES 60.4K OHM 1/2W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: ML60R4FE-R52 Description: RES 60.4 OHM 1/2W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: ML6043FE-R52 Description: RES 604K OHM 1/2W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: ML6041FE-R52 Description: RES 6.04K OHM 1/2W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: ML6040FE-R52 Description: RES 604 OHM 1/2W 1% AXIAL	Manufacturers: Ohmite	RFQ
	Part#: ML610Q112REFERENCEBOARD Description: BOARD REFERENCE ML610Q112	Manufacturers: LAPIS Semiconductor	RFQ

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