

ML610Q422P-NNNTBZ03A






Part Number: [ML610Q422P-NNNTBZ03A](#)

Manufacturer: [LAPIS Semiconductor](#)

Description: IC MCU 8BIT 32KB FLASH 120TQFP

Data sheet:  [ML610\(Q\)421/422 User Manual](#)
 [ML610Q421/Q422](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	ML610Q422P-NNNTBZ03A	Manufacturer	LAPIS Semiconductor
Description	IC MCU 8BIT 32KB FLASH 120TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	32082 pcs	Data sheet	ML610(Q)421/422 User Manual ML610Q421/Q422
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.1 V ~ 3.6 V
Speed	4.2MHz	Series	ML610400
RAM Size	2K x 8	Program Memory Type	FLASH
Program Memory Size	32KB (16K x 16)	Peripherals	LCD, Melody Driver, POR, PWM, WDT
Packaging	Tray	Package / Case	120-TQFP
Other Names	ML610Q422P-NNNTB03A7 ML610Q422P-NNNTB03A7-ND ML610Q422P-NNNTBZ0AA ML610Q422P-NNNTBZ0AA-ND ML610Q422P-NNNTBZ0MX ML610Q422PNNTBZ0AA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	14
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 4.2MHz 32KB (16K x 16) FLASH
Data Converters	A/D 2x12b, 2x24b	Core Size	8-Bit
Core Processor	nX-U8/100	Connectivity	I²C, SSP, UART/USART
Base Part Number	ML610Q42*		
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	Part#: ML610Q432 REFBOARD Description: BOARD REF ML610Q432	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q421P-NNNTBZ0AA Description: IC MCU 8BIT 32KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q412P-NNNTB0ARL Description: IC MCU 8BIT 16KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q422-NNNTBZ03A7 Description: IC MCU 8BIT 32KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q431-NNNTCZ0AGL Description: IC MCU 8BIT 64KB FLASH 144LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q429-NNNTBZ0AL Description: IC MCU 8BIT 48KB FLASH 128TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q429-NNNTBZ03A7 Description: IC MCU 8BIT 48KB FLASH 128TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q428-NNNTBZ0AL Description: IC MCU 8BIT 48KB FLASH 128TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q421 REFBOARD Description: BOARD REF ML610Q421/ML610Q421P	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q431 REFBOARD Description: BOARD REF ML610Q431	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q412P-NNNTB03A7 Description: IC MCU 8BIT 16KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q428 REFBOARD Description: BOARD REF ML610Q428/ML610Q428P	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q421-NNNTBZ03A7 Description: IC MCU 8BIT 32KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q421P-NNNTB0ARL Description: IC MCU 8BIT 32KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q431-NNNTCZ03A Description: IC MCU 8BIT 64KB FLASH 144LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q429 REFBOARD Description: BOARD REF ML610Q429/ML610Q429P	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q422P-NNNTB0ARL Description: IC MCU 8BIT 32KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q428-NNNTBZ03A7 Description: IC MCU 8BIT 48KB FLASH 128TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q412-NNNTBZ03A7 Description: IC MCU 8BIT 16KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q422 REFBOARD Description: BOARD REF ML610Q422/ML610Q422P	Manufacturers: LAPIS Semiconductor	RFQ

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