

ML610Q431-NNNTCZ0AGL



Part Number: [ML610Q431-NNNTCZ0AGL](#)

Manufacturer: [LAPIS Semiconductor](#)

Description: IC MCU 8BIT 64KB FLASH 144LQFP

Data sheet:  [ML610Q431/Q432](#)

RoHs Status: Lead free / RoHS Compliant

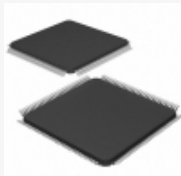
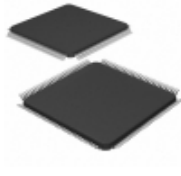
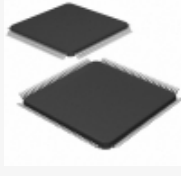
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PRODUCT PARAMETER			
Part Number	ML610Q431-NNNTCZ0AGL	Manufacturer	LAPIS Semiconductor
Description	IC MCU 8BIT 64KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	16230 pcs	Data sheet	ML610Q431/Q432
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.1 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	4.2MHz
Series	ML610400	RAM Size	3K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (32K x 16)
Peripherals	LCD, Melody Driver, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Other Names	ML610Q431-NNNTCZ0 ML610Q431NNNTCZ0AGL
Oscillator Type	Internal	Operating Temperature	-20°C ~ 70°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 4.2MHz 64KB (32K x 16) FLASH 144-LQFP (20x20)	Data Converters	A/D 2x12b, 2x24b
Core Size	8-Bit	Core Processor	nX-U8/100
Connectivity	PC, SSP, UART/USART	Base Part Number	ML610Q431
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	Part#: ML610Q428-NNNTBZ0AL Description: IC MCU 8BIT 48KB FLASH 128TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q422P-NNNTB0ARL Description: IC MCU 8BIT 32KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q432A-NNNTC0AGL Description: IC MCU 8BIT 64KB FLASH 144LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q428 REFBOARD Description: BOARD REF ML610Q428/ML610Q428P	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q435A-NNNTC03A7 Description: IC MCU 8BIT 96KB FLASH 144LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q431 REFBOARD Description: BOARD REF ML610Q431	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q432 REFBOARD Description: BOARD REF ML610Q432	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q436A-NNNTC03A7 Description: IC MCU 8BIT 96KB FLASH 144LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q422P-NNNTBZ03A Description: IC MCU 8BIT 32KB FLASH 120TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q429-NNNTBZ03A7 Description: IC MCU 8BIT 48KB FLASH 128TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q428-NNNTBZ03A7 Description: IC MCU 8BIT 48KB FLASH 128TQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q431-NNNTCZ03A Description: IC MCU 8BIT 64KB FLASH 144LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q435A-NNNTC0AGL Description: IC MCU 8BIT 96KB FLASH 144LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q435 REFBOARD Description: BOARD REF ML610Q435	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q429 REFBOARD Description: BOARD REF ML610Q429/ML610Q429P	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q436A-NNNTC0AGL Description: IC MCU 8BIT 96KB FLASH 144LQFP	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q436 REFBOARD Description: BOARD REF ML610Q436	Manufacturers: LAPIS Semiconductor	RFQ
	Part#: ML610Q432A-NNNTC03A7 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

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