

# XMC4500F100K1024ACXQSA1

## XMC4500F100K1024ACXQSA1 Information



For Reference Only

Part Number XMC4500F100K1024ACXQSA1

ManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)Embedded - Microcontrollers

**Description** IC MCU 32BIT 1MB FLASH 100LQFP

Package 100-LQFP Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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### XMC4500F100K1024ACXQSA1 Specifications

Manufacturer Part Number       XMC4500F100K1024ACXQSA1         Manufacturer       Infineon Technologies         Category       Integrated Circuits (ICs)         Embedded - Microcontrollers         Package       100-LQFP Exposed Pad         Series       XMC4000         Core Processor       ARM? Cortex?-M4         Core Size       32-Bit         Speed       120MHz         Connectivity       CAN, EBI/EMI, Ethernet, I2C, LIN, SPI, UART, USB         Peripherals       DMA, I2S, LED, POR, PWM, WDT         Number of I/O       55         Program Memory Size       1MB (1M x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       160K x 8         Voltage - Supply (Vcc/Vdd)       3.13 V ~ 3.63 V         Data Converters       A/D 24x12b, D/A 2x12b         Oscillator Type       Internal         Operating Temperature       -40°C ~ 125°C (TA)		
Category  Integrated Circuits (ICs)  Embedded - Microcontrollers  Package  100-LQFP Exposed Pad  Series  XMC4000  Core Processor  ARM? Cortex?-M4  Core Size  32-Bit  Speed  120MHz  Connectivity  CAN, EBI/EMI, Ethernet, I2C, LIN, SPI, UART, USB  Peripherals  DMA, I2S, LED, POR, PWM, WDT  Number of I/O  55  Program Memory Size  IMB (1M x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  Voltage - Supply (Vcc/Vdd)  3.13 V ~ 3.63 V  Data Converters  A/D 24x12b, D/A 2x12b  Oscillator Type  Internal	Manufacturer Part Number	XMC4500F100K1024ACXQSA1
Embedded - Microcontrollers  Package 100-LQFP Exposed Pad  Series XMC4000  Core Processor ARM? Cortex?-M4  Core Size 32-Bit  Speed 120MHz  Connectivity CAN, EBI/EMI, Ethernet, I2C, LIN, SPI, UART, USB  Peripherals DMA, I2S, LED, POR, PWM, WDT  Number of I/O 55  Program Memory Size IMB (1M x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 160K x 8  Voltage - Supply (Vcc/Vdd) 3.13 V ~ 3.63 V  Data Converters A/D 24x12b, D/A 2x12b  Oscillator Type Internal	Manufacturer	Infineon Technologies
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Series         XMC4000           Core Processor         ARM? Cortex?-M4           Core Size         32-Bit           Speed         120MHz           Connectivity         CAN, EBI/EMI, Ethernet, I2C, LIN, SPI, UART, USB           Peripherals         DMA, I2S, LED, POR, PWM, WDT           Number of I/O         55           Program Memory Size         1MB (1M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         160K x 8           Voltage - Supply (Vcc/Vdd)         3.13 V ~ 3.63 V           Data Converters         A/D 24x12b, D/A 2x12b           Oscillator Type         Internal		Embedded - Microcontrollers
Core Processor  ARM? Cortex?-M4  Core Size  32-Bit  Speed  120MHz  Connectivity  CAN, EBI/EMI, Ethernet, I2C, LIN, SPI, UART, USB  Peripherals  DMA, I2S, LED, POR, PWM, WDT  Number of I/O  55  Program Memory Size  IMB (1M x 8)  Program Memory Type  FLASH  EEPROM Size  RAM Size  Voltage - Supply (Vcc/Vdd)  3.13 V ~ 3.63 V  Data Converters  A/D 24x12b, D/A 2x12b  Oscillator Type  Internal	Package	100-LQFP Exposed Pad
Core Size       32-Bit         Speed       120MHz         Connectivity       CAN, EBI/EMI, Ethernet, I2C, LIN, SPI, UART, USB         Peripherals       DMA, I2S, LED, POR, PWM, WDT         Number of I/O       55         Program Memory Size       1MB (1M x 8)         Program Memory Type       FLASH         EEPROM Size       -         RAM Size       160K x 8         Voltage - Supply (Vcc/Vdd)       3.13 V ~ 3.63 V         Data Converters       A/D 24x12b, D/A 2x12b         Oscillator Type       Internal	Series	XMC4000
Speed 120MHz Connectivity CAN, EBI/EMI, Ethernet, I2C, LIN, SPI, UART, USB Peripherals DMA, I2S, LED, POR, PWM, WDT Number of I/O 55 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 160K x 8 Voltage - Supply (Vcc/Vdd) 3.13 V ~ 3.63 V Data Converters A/D 24x12b, D/A 2x12b Oscillator Type Internal	Core Processor	ARM? Cortex?-M4
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Peripherals  DMA, I2S, LED, POR, PWM, WDT  Number of I/O  55  Program Memory Size  1MB (1M x 8)  Program Memory Type  FLASH  EEPROM Size  -  RAM Size  160K x 8  Voltage - Supply (Vcc/Vdd)  3.13 V ~ 3.63 V  Data Converters  A/D 24x12b, D/A 2x12b  Oscillator Type  Internal	Speed	120MHz
Number of I/O         55           Program Memory Size         1MB (1M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         160K x 8           Voltage - Supply (Vcc/Vdd)         3.13 V ~ 3.63 V           Data Converters         A/D 24x12b, D/A 2x12b           Oscillator Type         Internal	Connectivity	CAN, EBI/EMI, Ethernet, I2C, LIN, SPI, UART, USB
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Voltage - Supply (Vcc/Vdd)  3.13 V ~ 3.63 V  Data Converters  A/D 24x12b, D/A 2x12b  Oscillator Type  Internal	EEPROM Size	-
Data Converters  A/D 24x12b, D/A 2x12b  Oscillator Type  Internal	RAM Size	160K x 8
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71	Data Converters	A/D 24x12b, D/A 2x12b
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type -	Mounting Type	-
Package / Case 100-LQFP Exposed Pad	Package / Case	100-LQFP Exposed Pad
Supplier Device Package PG-LQFP-100-11	Supplier Device Package	PG-LQFP-100-11
Report error		Report errors?

#### XMC4500F100K1024ACXQSA1 Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

#### XMC4500F100K1024ACXQSA1 Payment Methods



















## XMC4500F100K1024ACXQSA1 Shipping Methods













If you have any question about XMC4500F100K1024ACXQSA1, please do not hesitate to contact us!

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