

Heisener.com

# XC2298H200F100LABKXUMA1

### XC2298H200F100LABKXUMA1 Information

Part Number XC2298H200F100LABKXUMA1

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

**Description** IC MCU 32BIT 1.6MB FLASH 176LQFP

Package -

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



Request a Quote

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









### XC2298H200F100LABKXUMA1 Specifications

| Manufacturer Part Number         XC2298H200F100LABKXUMA1           Manufacturer         Infineon Technologies           Category         Integrated Circuits (ICs)           Package         -           Series         XC22xxH           Core Processor         C166SV2           Core Size         16/32-Bit           Speed         100MHz           Connectivity         CAN, EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI           Peripherals         DMA, I2S, POR, PWM, WDT           Number of I/O         150           Program Memory Size         1.6MB (1.6M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         138K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 30x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         -           Supplier Device Package         -           Report errors?  |                            |   |                |
|--|----------------------------|---|----------------|
| Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         -           Series         XC22xxH           Core Processor         C166SV2           Core Size         16/32-Bit           Speed         100MHz           Connectivity         CAN, EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI           Peripherals         DMA, I2S, POR, PWM, WDT           Number of I/O         150           Program Memory Size         1.6MB (1.6M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         138K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 30x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         -           Supplier Device Package         -   | Manufacturer Part Number   | XC2298H200F100LABKXUMA1                           |                |
| Package         -           Series         XC22xxH           Core Processor         C166SV2           Core Size         16/32-Bit           Speed         100MHz           Connectivity         CAN, EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI           Peripherals         DMA, I2S, POR, PWM, WDT           Number of I/O         150           Program Memory Size         1.6MB (1.6M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         138K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 30x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         -           Supplier Device Package         -  | Manufacturer               | Infineon Technologies                             |                |
| Package         -           Series         XC22xxH           Core Processor         C166SV2           Core Size         16/32-Bit           Speed         100MHz           Connectivity         CAN, EBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USI           Peripherals         DMA, 12S, POR, PWM, WDT           Number of I/O         150           Program Memory Size         1.6MB (1.6M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         138K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 30x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         -           Supplier Device Package         -  | Category                   | Integrated Circuits (ICs)                         |                |
| Series         XC22xxH           Core Processor         C166SV2           Core Size         16/32-Bit           Speed         100MHz           Connectivity         CAN, EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI           Peripherals         DMA, I2S, POR, PWM, WDT           Number of I/O         150           Program Memory Size         1.6MB (1.6M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         138K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 30x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         -           Supplier Device Package         -  |                            | Embedded - Microcontrollers                       |                |
| Core Processor         C166SV2           Core Size         16/32-Bit           Speed         100MHz           Connectivity         CAN, EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI           Peripherals         DMA, I2S, POR, PWM, WDT           Number of I/O         150           Program Memory Size         1.6MB (1.6M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         138K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 30x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         -           Supplier Device Package         -   | Package                    | -   |                |
| Core Size         16/32-Bit           Speed         100MHz           Connectivity         CAN, EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI           Peripherals         DMA, I2S, POR, PWM, WDT           Number of I/O         150           Program Memory Size         1.6MB (1.6M x 8)           Program Memory Type         FLASH           EEPROM Size         -           RAM Size         138K x 8           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Data Converters         A/D 30x10b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         -           Package / Case         -           Supplier Device Package         -  | Series                     | XC22xxH   |                |
| Speed100MHzConnectivityCAN, EBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIPeripheralsDMA, 12S, POR, PWM, WDTNumber of I/O150Program Memory Size1.6MB (1.6M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size138K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 30x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case-Supplier Device Package-   | Core Processor             | C166SV2   |                |
| Connectivity CAN, EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI Peripherals DMA, I2S, POR, PWM, WDT  Number of I/O 150  Program Memory Size 1.6MB (1.6M x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 138K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 30x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type -  Package / Case -  Supplier Device Package -   | Core Size                  | 16/32-Bit   |                |
| Peripherals  Number of I/O  150  Program Memory Size  1.6MB (1.6M x 8)  Program Memory Type  FLASH  EEPROM Size  - RAM Size  138K x 8  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Data Converters  A/D 30x10b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  - Package / Case  Supplier Device Package  - Supplier Device Package  DMA, I2S, POR, PWM, WDT  150  150  150  150  150  150  16MB (1.6M x 8)  FLASH  2-  1.6MB (1.6M x 8)  FLASH  1.6 | Speed                      | 100MHz  |                |
| Number of I/O Program Memory Size 1.6MB (1.6M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 138K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 30x10b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Package / Case Supplier Device Package -  | Connectivity               | CAN, EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI |                |
| Program Memory Size 1.6MB (1.6M x 8)  Program Memory Type FLASH  EEPROM Size -  RAM Size 138K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 30x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type -  Package / Case -  Supplier Device Package -  | Peripherals                | DMA, I2S, POR, PWM, WDT                           |                |
| Program Memory Type FLASH  EEPROM Size -  RAM Size 138K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 30x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type -  Package / Case -  Supplier Device Package -  | Number of I/O              | 150   |                |
| EEPROM Size - 138K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 30x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type - Package / Case  Supplier Device Package -  | Program Memory Size        | 1.6MB (1.6M x 8)                                  |                |
| RAM Size 138K x 8  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Data Converters A/D 30x10b  Oscillator Type Internal  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type -  Package / Case -  Supplier Device Package -  | Program Memory Type        | FLASH   |                |
| Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 30x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case-Supplier Device Package-  | EEPROM Size                | -   |                |
| Data ConvertersA/D 30x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case-Supplier Device Package-   | RAM Size                   | 138K x 8  |                |
| Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA)  Mounting Type - Package / Case - Supplier Device Package -  | Voltage - Supply (Vcc/Vdd) | 3 V ~ 5.5 V                                       |                |
| Operating Temperature -40°C ~ 125°C (TA)  Mounting Type - Package / Case - Supplier Device Package -   | Data Converters            | A/D 30x10b  |                |
| Mounting Type - Package / Case - Supplier Device Package -   | Oscillator Type            | Internal  |                |
| Package / Case - Supplier Device Package -   | Operating Temperature      | -40°C ~ 125°C (TA)                                |                |
| Supplier Device Package -  | Mounting Type              | -   |                |
| ••   | Package / Case             | -   |                |
| Report errors?   | Supplier Device Package    | -   |                |
|  |                            |   | Report errors? |

### XC2298H200F100LABKXUMA1 Guarantees



#### **Ouality 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.

## XC2298H200F100LABKXUMA1 Payment Methods



















## XC2298H200F100LABKXUMA1 Shipping Methods













If you have any question about XC2298H200F100LABKXUMA1, please do not hesitate to contact us!

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