

# LPC11U12FBD48/201,

### LPC11U12FBD48/201, Information

	Embedded - MicrocontrollersDtionIC MCU 32BIT 16KB FLASH 48LQFPe48-LQFPFor the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

# **Certified Quality**

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## LPC11U12FBD48/201, Specifications

ManufacturerNXPCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage48-LQFPSeriesLPC11UxxCore ProcessorARM? Cortex?-M0Core Size32-BitSpeed50MHzConectivityI2C, Microwire, SmartCard, SPI, SSP, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory SizeI6KB (16K x 8)PEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFP (7x7)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage48-LQFPSeriesLPC11UxxCore ProcessorARM? Cortex?-M0Core Size32-BitSpeed50MHzConnectivityI2C, Microwire, SmartCard, SPI, SSP, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory SizeIFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case84-LQFPSupplier Device Package84-LQFP (7x7)	Manufacturer Part Number	LPC11U12FBD48/201,	
Embedded - MicrocontrollersPackage48-LQFPSeriesLPC11UxxCore ProcessorARM? Cortex?-M0Core Size32-BitSpeed50MHzConnectivityI2C, Microwire, SmartCard, SPI, SSP, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case48-LQFP (7x7)	Manufacturer	NXP	
Package 48-LQFP   Series LPC11Uxx   Core Processor ARM? Cortex?-M0   Core Size 32-Bit   Speed 50MHz   Connectivity I2C, Microwire, SmartCard, SPI, SSP, UART/USART, USB   Peripherals Brown-out Detect/Reset, POR, WDT   Number of I/O 40   Program Memory Size I6KB (16K x 8)   PERPROM Size -   RAM Size 6K x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 8x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 48-LQFP   Supplier Device Package 48-LQFP	Category	Integrated Circuits (ICs)	
SeriesLPC11UxxCore ProcessorARM? Cortex?-M0Core Size32-BitSpeed50MHzConnectivityI2C, Microwire, SmartCard, SPI, SSP, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case48-LQFP (7x7)		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M0Core Size32-BitSpeed50MHzConnectivityI2C, Microwire, SmartCard, SPI, SSP, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator Type-Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFP (7x7)	Package	48-LQFP	
Core Size32-BitSpeed50MHzConnectivityI2C, Microwire, SmartCard, SPI, SSP, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Series	LPC11Uxx	
Speed50MHzConnectivityI2C, Microwire, SmartCard, SPI, SSP, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Core Processor	ARM? Cortex?-M0	
ConnectivityI2C, Microwire, SmartCard, SPI, SSP, UART/USART, USBPeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFP (7x7)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, POR, WDTNumber of I/O40Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Speed	50MHz	
Number of I/O40Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Connectivity	I2C, Microwire, SmartCard, SPI, SSP, UART/USART, USB	
Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFP (7x7)	Peripherals	Brown-out Detect/Reset, POR, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Number of I/O	40	
EEPROM Size-RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Program Memory Size	16KB (16K x 8)	
RAM Size6K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	EEPROM Size	-	
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	RAM Size	6K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Data Converters	A/D 8x10b	
Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Oscillator Type	Internal	
Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package48-LQFP (7x7)	Mounting Type	-	
	Package / Case	48-LQFP	
Report errors?	Supplier Device Package	48-LQFP (7x7)	
			Report errors?

#### LPC11U12FBD48/201, 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### LPC11U12FBD48/201, Payment Methods



If you have any question about LPC11U12FBD48/201,, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com