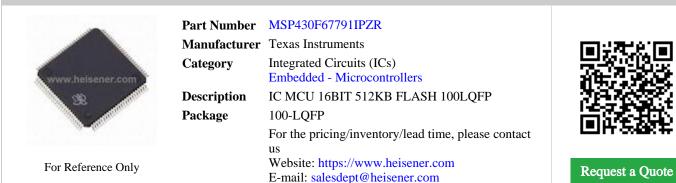


# **MSP430F67791IPZR**

### MSP430F67791IPZR Information



# **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.



# MSP430F67791IPZR Specifications

Manufacturer Texas Instruments   Manufacturer Texas Instruments   Category Integrated Circuits (ICs)   Embedded - Microcontrollers Integrated Circuits (ICs)   Package 100-LQFP   Series MSP430F6xx   Core Processor CPUXV2   Core Size 16-Bit   Speed 25MHz   Connectivity 12C, IrDA, LIN, SPI, UART/USART   Porpherals Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta Converter   Number of I/O 62   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K 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)   Mounting Type -   Package / Case 100-LQFF   Supplier Device Package 100-LQFF		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesMSP430F6xxCore ProcessorCPUXV2Core Size16-BitSpeed25MHzConnectivityIC, IrDA, LIN, SPI, UART/USARTConnectivityForwn-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConverterNumber of I/O62Program Memory Size512KB (512K x 8)FEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersAD 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Manufacturer Part Number	MSP430F67791IPZR
Embeddel - MicrocontrollersPackage100-LQFPSeriesMSP430F6xxCore ProcessorCPUXV2Core Size16-BitSpeed25MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConverterNumber of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Manufacturer	Texas Instruments
Package100-LQFPSeriesMSP430F6xxCore ProcessorCPUXV2Core Size16-BitSpeed25MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConvecterNumber of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-Nufsize32K x 8Voltage - Supply (Vcc/Vda)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Category	Integrated Circuits (ICs)
SeriesMSP430F6xxCore ProcessorCPUXV2Core Size16-BitSpeed25MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConverterNumber of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-Prokage / Case100-LQFP (14x14)		Embedded - Microcontrollers
Core ProcessorCPUXV2Core Size16-BitSpeed25MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConverterNumber of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type00-LQFPSupplier Device Package100-LQFP (14x14)	Package	100-LQFP
Core Size16-BitSpeed25MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConverterNumber of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-Nuther of LOC/VOL/VOL32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersAD 8x10bOscillator Type-40°C ~ 85°C (TA)Mounting Type-0Package / Case100-LQFP (14x14)	Series	MSP430F6xx
Speed25MHzConnectivity12C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConverterNumber of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-XMM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Core Processor	CPUXV2
ConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConverterNumber of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type00-LQFPSupplier Device Package100-LQFP (14x14)	Core Size	16-Bit
PeripheralsBrown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta ConverterNumber of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Aounting Type-Package / Case100-LQFP (14x14)	Speed	25MHz
Number of I/O62Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Connectivity	I2C, IrDA, LIN, SPI, UART/USART
Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT, 7x24b Sigma Delta Converter
Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Number of I/O	62
EEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Program Memory Size	512KB (512K x 8)
RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	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 / Case100-LQFPSupplier Device Package100-LQFP (14x14)	EEPROM Size	-
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	RAM Size	32K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Data Converters	A/D 8x10b
Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Oscillator Type	Internal
Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package100-LQFP (14x14)	Mounting Type	-
	Package / Case	100-LQFP
Report errors?	Supplier Device Package	100-LQFP (14x14)
		Report errors?

## MSP430F67791IPZR 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.

## MSP430F67791IPZR Payment Methods



If you have any question about MSP430F67791IPZR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com