

SAF-XE164H-72F66L AC

SAF-XE164H-72F66L AC Information



For Reference Only

Part Number	SAF-XE164H-72F66L AC	
Manufacturer	Infineon Technologies	
Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
Description	IC MCU 16BIT 576KB 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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SAF-XE164H-72F66L AC Specifications

ManufacturerInfineon TechnologiesCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFP Exposed PadSeriesXE16xCore ProcessorC166SV2Core Size16-BitSpeed66MHzConnectivityEBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USIPeripheralsI2S, POR, PWM, WDTNumber of I/O75Program Memory Size576KB (576K x 8)EEPROM Size-RAM SizeS0K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed Pad			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFP Exposed PadSeriesXE16xCore ProcessorC166SV2Core Size16-BitSpeed66MHzConnectivityEBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USIPeripheralsI2S, POR, PWM, WDTNumber of I/O75Program Memory Size576KB (576K x 8)PEPROM Size-RAM SizeS0K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Manufacturer Part Number	SAF-XE164H-72F66L AC	
IndextedEmbedded - MicrocontrollersPackage100-LQFP Exposed PadSeriesXE16xCore ProcessorC166SV2Core Size16-BitSpeed66MHzConnetivityEBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIPeripherals12S, POR, PWM, WDTNumber of I/O75Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature440°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Manufacturer	Infineon Technologies	
Package100-LQFP Exposed PadSeriesXE16xCore ProcessorC166SV2Core Size16-BitSpeed66MHzConceivityEBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIPeripherals12S, POR, PWM, WDTNumber of I/O75Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16110bOperating Temperature40°C ~ 85°C (TA)Phackage / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Category	Integrated Circuits (ICs)	
SeriesXE16xCore ProcessorC166SV2Core Size16-BitSpeed66MHzConnectivityEBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIPeripherals12S, POR, PWM, WDTNumber of I/O5Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size50K x 8Voltage - Supply (Vcc/Vdd)3V ~ 5.5 VData ConvertersAD 1610bOperating Temperature40°C ~ 85°C (TA)Program Grape10-LQFP Exposed PadProgram Supplier Device Package10-LQFP (14:14)		Embedded - Microcontrollers	
Core ProcessorCl66SV2Core Size16-BitSpeed66MHzConnectivityEBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USIPeripheralsI2S, POR, PWM, WDTNumber of I/O75Program Memory SizeS76KB (576K x 8)Program Memory TypeFLASHEEPROM Size-RAM SizeS0K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature-Program Menory Type-Package / Case100-LQF Exposed PadSupplier Device Package100-LQF P(14x14)	Package	100-LQFP Exposed Pad	
Core Size16-BitSpeed66MHzConnectivityEBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USIPeripherals12S, POR, PWM, WDTNumber of I/O75Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Series	XE16x	
Speed66MHzConnectivityEBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USIPeripheralsI2S, POR, PWM, WDTNumber of I/O75Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Core Processor	C166SV2	
Image: Connectivity EBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USI Peripherals I2S, POR, PWM, WDT Number of I/O 75 Program Memory Size 576KB (576K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 50K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Exposed Pad Supplier Device Package 100-LQFP (14x14)	Core Size	16-Bit	
PeripheralsI2S, POR, PWM, WDTNumber of I/O75Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Speed	66MHz	
Number of I/O 75 Program Memory Size 576KB (576K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 50K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 100-LQFP Exposed Pad Supplier Device Package 100-LQFP (14x14)	Connectivity	EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI	
Program Memory Size576KB (576K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Peripherals	I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Number of I/O	75	
EEPROM Size-RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Program Memory Size	576KB (576K x 8)	
RAM Size50K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	EEPROM Size	-	
Data ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	RAM Size	50K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Data Converters	A/D 16x10b	
Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Oscillator Type	Internal	
Package / Case100-LQFP Exposed PadSupplier Device Package100-LQFP (14x14)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package100-LQFP (14x14)	Mounting Type	-	
	Package / Case	100-LQFP Exposed Pad	
Report errors?	Supplier Device Package	100-LQFP (14x14)	
		Repor	rt errors?

SAF-XE164H-72F66L AC 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

Service Guarantees

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

SAF-XE164H-72F66L AC Payment Methods





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