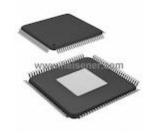


SAF-XE164KN-24F80L AA

SAF-XE164KN-24F80L AA Information



For Reference Only

Part Number	SAF-XE164KN-24F80L AA
Manufacturer	Infineon Technologies
Category	Integrated Circuits (ICs) Embedded - Microcontrollers
Description	IC MCU 16BIT 192KB 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-XE164KN-24F80L AA Specifications

AnufacturerInfineon TechnologiesAnufacturerIntegrated Circuits (ICs)Embedded - MicrocontrollersAckage100-LQFP Exposed PadAckage100-LQFP Exposed PadCore ProcessorC166SV2Core Size16-BitConectivityEBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIConectivity12S, POR, PWM, WDTPeripherals192KB (192K x 8)Program Memory Size192KB (192K x 8)Converters26K x 8Add Size26K x 8Converters3 V ~ 5.5 VData ConvertersAD 11x10bDerating Temperature40°C ~ 85°C (TA)Advantig Type-Ackage / Case00-LQFP Exposed PadAupplier Device PackageGFLQFP-100-8			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFP Exposed PadPackageXE16xCore ProcessorC166SV2Core Size16-BitSpeed80MHzConnectivityEBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USIPeripherals12S, POR, PWM, WDTPargram Memory Size192KB (192K x 8)Program Memory TypeFLASHSEPROM Size-AdM Size26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDerating Temperature-40°C ~ 85°C (TA)Advanting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	Manufacturer Part Number	SAF-XE164KN-24F80L AA	
Enbedded - MicrocontrollersPackage100-LQFP Exposed PadPackageXE16xCore ProcessorC166SV2Core Size16-BitSpeed80MHzConnectivityEBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIPeripherals12S, POR, PWM, WDTProgram Memory Size192KB (192K x 8)Program Memory TypeFLASHConverters26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDyerating Temperature440°C ~ 85°C (TA)Aunting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	Manufacturer	Infineon Technologies	
Ackage100-LQFP Exposed PadberiesXE16xCore ProcessorC166SV2Core Size16-BitSpeed80MHzConnetivityEBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIPeripherals12S, POR, PWM, WDTProgram Memory Size192KB (192K x 8)Program Memory TypeFLASHBERPOM Size26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDerating Temperature40°C ~ 85°C (TA)Advating Type-Package / Case100-LQFP Exposed PadAunting Type-Package / Case00-LQFP Exposed PadAunting Type-Package / Case00-LQFP Exposed PadAunting Type-Package / Case00-LQFP Exposed PadAupplier Device Package9C-LQFP-100-8	Category	Integrated Circuits (ICs)	
SeriesXE16xCore ProcessorC166SV2Core Size16-BitSpeed80MHzConnectivityEBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIPeripherals12S, POR, PWM, WDTNumber of I/O75Program Memory Size192KB (192K x 8)Program Memory TypeFLASHEEPROM Size-AdM Size26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDerating Temperature-40°C ~ 85°C (TA)Advage / Case100-LQFP Exposed PadSupplier Device PackageFG-LQFP-100-8		Embedded - Microcontrollers	
Core ProcessorC166SV2Core Size16-BitSpeed80MHzConnectivityEBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USIConnectivity12S, POR, PWM, WDTPeripherals12S, POR, PWM, WDTNumber of I/O75Program Memory Size192KB (192K x 8)Program Memory TypeFLASHEEPROM Size-AdM Size26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDerating Temperature-40°C ~ 85°C (TA)Advanting Type0-LQFP Exposed PadPackage / Case100-LQFP Exposed PadSupplier Device Package9G-LQFP-100-8	Package	100-LQFP Exposed Pad	
Core Size16-BitSpeed80MHzConnectivityEBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USIPeripheralsI2S, POR, PWM, WDTNumber of I/O75Program Memory Size192KB (192K x 8)Program Memory TypeFLASHSEPROM Size-AdM Size26K x 8Yoltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDerating Temperature-40°C ~ 85°C (TA)Advanting Type-Package / Case100-LQFP Exposed PadSupplier Device Package9C-LQFP-100-8	Series	XE16x	
Speed80MHzConnectivityEBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USIPeripheralsI2S, POR, PWM, WDTNumber of I/O75Program Memory Size192KB (192K x 8)Program Memory TypeFLASHEEPROM Size-AM Size26K x 8/oltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDerating Temperature-40°C ~ 85°C (TA)/outning Type0/avage / Case100-LQFP Exposed Pad/supplier Device PackageFG-LQFP-100-8	Core Processor	C166SV2	
Connectivity EBI/EMI, 12C, LIN, SPI, SSC, UART/USART, USI Peripherals 12S, POR, PWM, WDT Number of I/O 75 Program Memory Size 192KB (192K x 8) Program Memory Type FLASH SEPROM Size - AdM Size 26K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 11x10b Derating Temperature -40°C ~ 85°C (TA) Outning Type - Package / Case 100-LQFP Exposed Pad Supplier Device Package PG-LQFP-100-8	Core Size	16-Bit	
PeripheralsI2S, POR, PWM, WDTNumber of I/O75Program Memory Size192KB (192K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size26K x 8Yoltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDerating Temperature-40°C ~ 85°C (TA)Aounting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	Speed	80MHz	
Number of I/O 75 Program Memory Size 192KB (192K x 8) Program Memory Type FLASH Program Memory Type - SEPROM Size - AM Size 26K x 8 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Data Converters A/D 11x10b Derating Temperature -40°C ~ 85°C (TA) Aounting Type - Package / Case 100-LQFP Exposed Pad Supplier Device Package PG-LQFP-100-8	Connectivity	EBI/EMI, I2C, LIN, SPI, SSC, UART/USART, USI	
Program Memory Size192KB (192K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Auting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	Peripherals	I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDerating Temperature-Operating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP Exposed PadOperating Device PackagePG-LQFP-100-8	Number of I/O	75	
GEPROM Size-RAM Size26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDecillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	Program Memory Size	192KB (192K x 8)	
RAM Size26K x 8Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Aounting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VData ConvertersA/D 11x10bDecillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Aounting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	EEPROM Size	-	
Data ConvertersA/D 11x10bDecillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	RAM Size	26K x 8	
Dscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP Exposed PadSupplier Device PackagePG-LQFP-100-8	Data Converters	A/D 11x10b	
Mounting Type - Package / Case 100-LQFP Exposed Pad Supplier Device Package PG-LQFP-100-8	Oscillator Type	Internal	
Package / Case 100-LQFP Exposed Pad Supplier Device Package PG-LQFP-100-8	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package PG-LQFP-100-8	Mounting Type	-	
	Package / Case	100-LQFP Exposed Pad	
	Supplier Device Package	PG-LQFP-100-8	
Report errors?		Report err	ors?

SAF-XE164KN-24F80L AA 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.



If you have any question about SAF-XE164KN-24F80L AA, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com