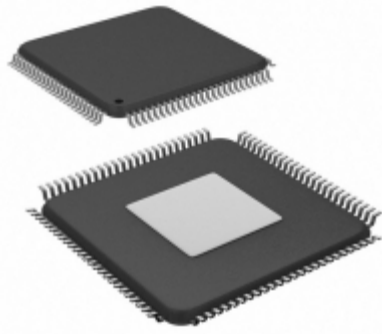


SAF-XE164KN-40F80L AA



**Part Number:** [SAF-XE164KN-40F80L AA](#)

**Manufacturer:** [International Rectifier \(Infineon Technologies\)](#)

**Description:** IC MCU 16BIT 320KB FLASH 100LQFP

**Data sheet:**  [XE164xN](#)

**RoHS Status:** Lead free / RoHS Compliant

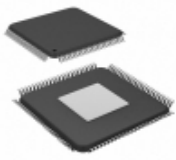
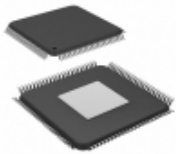
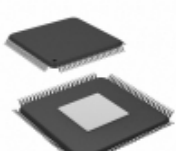
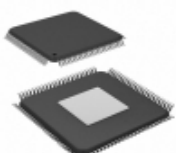
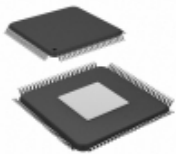
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy SAF-XE164KN-40F80L AA with confidence from  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                    |                                  |                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SAF-XE164KN-40F80L AA                                                              | Manufacturer                     | <a href="#">International Rectifier (Infineon Technologies)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IC MCU 16BIT 320KB FLASH 100LQFP                                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4067 pcs                                                                           | Data sheet                       | <a href="#">XE164xN</a>                                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Integrated Circuits (ICs)</a>                                          | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 5.5 V                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PG-LQFP-100-8                                                                      | Speed                            | 80MHz                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | XE16x                                                                              | RAM Size                         | 34K x 8                                                         |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FLASH                                                                              | Program Memory Size              | 320KB (320K x 8)                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | I <sup>2</sup> S, POR, PWM, WDT                                                    | Packaging                        | Tape & Reel (TR)                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100-LQFP Exposed Pad                                                               | Other Names                      | SAF-XE164KN-40F80L AA-ND<br>SAF-XE164KN-40F80LAA<br>SP000518058 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Internal                                                                           | Operating Temperature            | -40°C ~ 85°C (TA)                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 75                                                                                 | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lead free / RoHS Compliant                                                         | EEPROM Size                      | -                                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C166SV2 XE16x Microcontroller IC 16-Bit 80MHz 320KB (320K x 8) FLASH PG-LQFP-100-8 | Data Converters                  | A/D 11x10b                                                      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16-Bit                                                                             | Core Processor                   | C166SV2                                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EBI/EMI, I <sup>2</sup> C, LINbus, SPI, SSC, UART/USART, USI                       | Base Part Number                 | SA*XE164KN                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                                                |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">SAF-XE164KM-24F80L AA</a><br>Description: IC MCU 16BIT 192KB FLASH 100LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164K-24F66L AC</a><br>Description: IC MCU 16BIT 192KB FLASH 100LQFP  | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164HM-24F80L AA</a><br>Description: IC MCU 16BIT 192KB FLASH 100LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164KN-24F80L AA</a><br>Description: IC MCU 16BIT 192KB FLASH 100LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE167GM-48F80L AA</a><br>Description: IC MCU 16BIT 384KB FLASH 144LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164H-96F66L AC</a><br>Description: IC MCU 16BIT 768KB FLASH 100LQFP  | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF12C-01G03</a><br>Description: STAMPING ASSEMBLY PIN                     | Manufacturers: <a href="#">Amphenol LTW</a>                                    | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164HN-24F80L AA</a><br>Description: IC MCU 16BIT 192KB FLASH 100LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164K-72F66L AC</a><br>Description: IC MCU 16BIT 576KB FLASH 100LQFP  | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE167KM-48F80L AA</a><br>Description: IC MCU 16BIT 384KB FLASH 144LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164HM-48F80L AA</a><br>Description: IC MCU 16BIT 384KB FLASH 100LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE167HM-48F80L AA</a><br>Description: IC MCU 16BIT 384KB FLASH 144LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164H-48F66L AC</a><br>Description: IC MCU 16BIT 384KB FLASH 100LQFP  | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE167GM-72F80L AA</a><br>Description: IC MCU 16BIT 576KB FLASH 144LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE167H-72F66L AC</a><br>Description: IC MCU 16BIT 576KB FLASH 144LQFP  | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF12C-02G03</a><br>Description: STAMPING ASSEMBLY PIN                     | Manufacturers: <a href="#">Amphenol LTW</a>                                    | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE164H-72F66L AC</a><br>Description: IC MCU 16BIT 576KB FLASH 100LQFP  | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF12C-03G03</a><br>Description: CONTACT SOCKET 12-14AWG CRIMP             | Manufacturers: <a href="#">Amphenol LTW</a>                                    | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE167KM-72F80L AA</a><br>Description: IC MCU 16BIT 576KB FLASH 144LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">SAF-XE167FM-48F80L AA</a><br>Description: IC MCU 16BIT 384KB FLASH 144LQFP | Manufacturers: <a href="#">International Rectifier (Infineon Technologies)</a> | <a href="#">RFQ</a> |

|                                                                       |                                                                       |                                                                       |                                                  |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------|
| Related keywords for <b>SAF-XE164KN-40F80L AA</b>                     |                                                                       |                                                                       |                                                  |
| International Rectifier (Infineon Technologies) SAF-XE164KN-40F80L AA | SAF-XE164KN-40F80L AA distributor                                     | SAF-XE164KN-40F80L AA supplier                                        | SAF-XE164KN-40F80L AA price                      |
|                                                                       | SAF-XE164KN-40F80L AA download datasheet                              | SAF-XE164KN-40F80L AA datasheet                                       | SAF-XE164KN-40F80L AA stock                      |
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