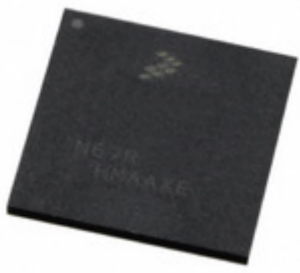


## LS1012ASE7EKA



**Part Number:** [LS1012ASE7EKA](#)  
**Manufacturer:** [NXP Semiconductors / Freescale](#)  
**Description:** QORIQ 64-BIT ARM MPU 600MHZ STD  
**Data sheet:** [PDF LS1012A Reference Manual](#)  
[PDF LS1012A Fact Sheet](#)

**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.  
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### PRODUCT PARAMETER

<b>Part Number</b>	<a href="#">LS1012ASE7EKA</a>
<b>Manufacturer</b>	<a href="#">NXP Semiconductors / Freescale</a>
<b>Description</b>	QORIQ 64-BIT ARM MPU 600MHZ STD
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	6686 pcs
<b>Product Photo</b>	<a href="#">LS1012ASE7EKA-001.jpg</a> , <a href="#">LS1012ASE7EKA-002.jpg</a>
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>USB</b>	USB 2.0 (1), USB 3.0 + PHY
<b>Supplier Device Package</b>	211-FCLGA (9.6x9.6)
<b>Speed</b>	800MHz
<b>Series</b>	QorIQ™
<b>Security Features</b>	ARM TZ
<b>SATA</b>	SATA 6Gbps (1)
<b>RAM Controllers</b>	DDR3L
<b>Packaging</b>	Tray
<b>Package / Case</b>	211-VFLGA
<b>Other Names</b>	568-14049 935313085557 LS1012ASE7EKA-ND
<b>Operating Temperature</b>	0°C ~ 105°C (TA)
<b>Number of Cores/Bus Width</b>	1 Core, 64-Bit
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Ethernet</b>	-
<b>Detailed Description</b>	ARM® Cortex®-A53 Microprocessor IC QorIQ™ 1 Core, 64-Bit 800MHz 211-FCLGA (9.6x9.6)
<b>Core Processor</b>	ARM® Cortex®-A53
<b>Co-Processors/DSP</b>	-
<b>Additional Interfaces</b>	eMMC/SD/SDIO, I²C, I²S, SPI, UART

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	<b>Part#:</b> <a href="#">LS1012A-SW-ASK</a> <b>Description:</b> LS1012A APPLICATION SOLUTION KIT	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 8	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASE7EKB</a> <b>Description:</b> LS1012A ST WE 600MHZ RV2	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 6972	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1001-9ERG</a> <b>Description:</b> AC/DC CONVERTER 5.1V 100W	<b>Manufacturers:</b> <a href="#">Bel</a> <b>In Stock:</b> 88	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ARDB-PB</a> <b>Description:</b> BOARD REF DESIGN LS1012A	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5515	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1001-9EP</a> <b>Description:</b> AC/DC CONVERTER 5.1V 82W	<b>Manufacturers:</b> <a href="#">Bel</a> <b>In Stock:</b> 5789	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012AXE7EKA</a> <b>Description:</b> QORIQ 64-BIT ARM MPU 600MHZ EXT	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5618	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASN7EKB</a> <b>Description:</b> LS1012A ST 600MHZ RV2	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 7543	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ARDB-PC</a> <b>Description:</b> BOARD REF DESIGN LS1012A	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 203	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASE7KKB</a> <b>Description:</b> LS1012A ST WE 1GHZ RV2	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5636	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASN7HKB</a> <b>Description:</b> LS1012A ST 800MHZ RV2	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5369	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASN7EKA</a> <b>Description:</b> QORIQ 64-BIT ARM MPU 600MHZ STD	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5388	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ARDB</a> <b>Description:</b> BOARD REF DESIGN LS1012A	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5919	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASN7HKA</a> <b>Description:</b> QORIQ 64-BIT ARM MPU 800MHZ STD	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5374	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASE7HKA</a> <b>Description:</b> QORIQ 64-BIT ARM MPU 800MHZ STD	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 6353	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASE7HKB</a> <b>Description:</b> LS1012A ST WE 800MHZ RV2	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5653	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1001-7R</a> <b>Description:</b> AC/DC CONVERTER 5.1V 100W	<b>Manufacturers:</b> <a href="#">Bel</a> <b>In Stock:</b> 4672	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1001-9ER</a> <b>Description:</b> AC/DC CONVERTER 5.1V 82W	<b>Manufacturers:</b> <a href="#">Bel</a> <b>In Stock:</b> 5503	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS10024/L</a> <b>Description:</b> SWITCHING POWER SUPPLIES	<b>Manufacturers:</b> <a href="#">TDK-Lambda Americas, Inc.</a> <b>In Stock:</b> 3433	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">LS1012ASN7KKB</a> <b>Description:</b> LS1012A ST 1GHZ RV2	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5988	<a href="#">RFQ</a>

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