

Image may be representation.  
See specifications for product details.



## MCIMX7D7DVM10SC

Manufacturer Part Number	<b>MCIMX7D7DVM10SC</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MCIMX7D7DVM10SC
ECAD Model	Request Free CAD Models
Parts Description	EPDC, 2 ETH, CAN, 2 OTG 1 HSIC,
Package	541-LFBGA
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCIMX7D7DVM10SC - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX7D7DVM10SC datasheet/specifications on AllelcoElec.com.  
Request a quote for MCIMX7D7DVM10SC, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCIMX7D7DVM10SC Tech Specifications  
MCIMX7D7DVM10SC - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	0°C ~ 95°C (TJ)
Voltage - I/O	1.8V, 3.3V	Number of Cores/Bus Width	2 Core, 32-Bit
USB	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)	Mounting Type	Surface Mount
Supplier Device Package	541-MAPBGA (19x19)	Graphics Acceleration	No
Speed	1.0GHz	Ethernet	10/100/1000Mbps (2)
Series	i.MX7D	Display & Interface Controllers	Keypad, LCD, MIPI
Security Features	A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS	Core Processor	ARM® Cortex®-A7, ARM® Cortex®-M4
SATA	-	Co-Processors/DSP	Multimedia; NEON™ MPE
RAM Controllers	LPDDR2, LPDDR3, DDR3, DDR3L	Base Product Number	MCIMX7
Package / Case	541-LFBGA	Additional Interfaces	AC'97, CAN, eCSPI, I²C, I²S, MMC/SD/SDIO, PCIe, QSPI, SAI, UART
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCIMX7D7DVM10SC

Product Attribute				
Part Number	MCIMX7D7DVM10SC	MCIMX7S3EVK08SC	MCIMX7S3DVK08SD	MCIMX6Y2DVM09AA
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Ethernet	10/100/1000Mbps (2)	10/100/1000Mbps (1)	10/100/1000Mbps (1)	10/100Mbps (2)
Co-Processors/DSP	Multimedia; NEON™ MPE	Multimedia; NEON™ MPE	Multimedia; NEON™ MPE	Multimedia; NEON™ MPE
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	i.MX7D	i.MX7S	i.MX7S	i.MX6
Package	Tray	Tray	Tray	Tray
Graphics Acceleration	No	No	No	No
Speed	1.0GHz	800MHz	800MHz	900MHz
Supplier Device Package	541-MAPBGA (19x19)	488-TFBGA (12x12)	488-TFBGA (12x12)	289-MAPBGA (14x14)
RAM Controllers	LPDDR2, LPDDR3, DDR3, DDR3L	LPDDR2, LPDDR3, DDR3, DDR3L	LPDDR2, LPDDR3, DDR3, DDR3L	LPDDR2, DDR3, DDR3L
Operating Temperature	0°C ~ 95°C (TJ)	-20°C ~ 105°C (TJ)	0°C ~ 95°C (TJ)	0°C ~ 95°C (TJ)
Display & Interface Controllers	Keypad, LCD, MIPI	Keypad, LCD, MIPI	Keypad, LCD, MIPI	Electrophoretic, LCD
USB	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (1)	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (1)	USB 2.0 OTG + PHY (2)
SATA	-	-	-	-
Package / Case	541-LFBGA	488-TFBGA	488-TFBGA	289-LFBGA
Additional Interfaces	AC'97, CAN, eCSPI, I²C, I²S, MMC/SD/SDIO, PCIe, QSPI, SAI, UART	AC'97, eCSPI, I²C, I²S, MMC/SD/SDIO, PCIe, QSPI, SAI, UART	AC97, eCSPI, I²C, I²S, MMC/SD/SDIO, PCIe, QSPI, SAI, UART	CAN, I²C, SPI, UART
Security Features	A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS	A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS	A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS	A-HAB, ARM TZ, CSU, SJC, SNVS
Base Product Number	MCIMX7	MCIMX7	MCIMX7	MCIMX6
Voltage - I/O	1.8V, 3.3V	1.8V, 3.3V	1.8V, 3.3V	1.8V, 2.8V, 3.3V
Core Processor	ARM® Cortex®-A7, ARM® Cortex®-M4	ARM® Cortex®-A7, ARM® Cortex®-M4	ARM® Cortex®-A7, ARM® Cortex®-M4	ARM® Cortex®-A7
Number of Cores/Bus Width	2 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit

### MCIMX7D7DVM10SC Datasheet PDF

Download MCIMX7D7DVM10SC pdf datasheets and NXP USA Inc. documentation for MCIMX7D7DVM10SC - NXP USA Inc..

#### Datasheets

Cylindrical Battery Holders.pdf

#### PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

## Environmental Information

NXP USA Inc REACH.pdf

NXP USA Inc RoHS Cert.pdf

## PCN Assembly/Origin

2.73KHz.pdf

## PCN Design/Specification

i.MX7D/S Datasheet Update 30/Jul/2017.pdf

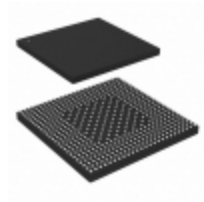
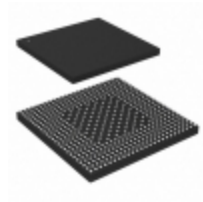


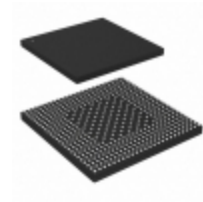
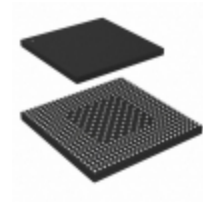



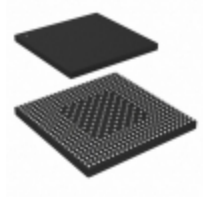



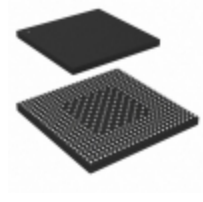
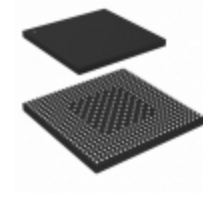

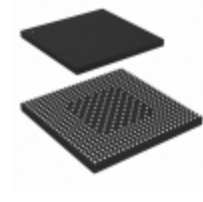
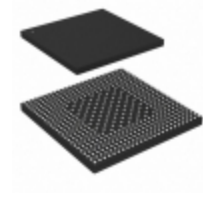
iMX DataSheet Update 4/Mar/2017.pdf

## PCN Part Status Change

2.73KHz.pdf

## Customers Also Interested in

### Recommended Products

					
<b>MCIMX7S3EVK08SC</b> NXP USA Inc. NO EPDC, 1 ETH, NO CAN, 1 OTG 1	<b>MCIMX7S3DVK08SD</b> NXP USA Inc. I.MX 7SOLO: REV 1.3	<b>MCIMX6Y2DVM09AA</b> NXP USA Inc. I.MX 6ULL 900 MHZ CONSUMER W/O E	<b>MCIN2012-3R3K</b>	<b>MCIMX7D7DVK10SD</b> NXP USA Inc. MPU I.MX 7D 1GHZ MAPBGA	<b>MCIMX7D5EVM10SD</b> NXP USA Inc. I.MX 7DUAL: REV 1.3
					
<b>MCIMX6Y2DVM05AB</b> NXP USA Inc. I.MX6ULL ROM PERF ENHAN	<b>MCIMX6Y2CVM08AB</b> NXP USA Inc. I.MX6ULL ROM PERF ENHAN	<b>MCIMX6Y2DVM05AA</b> NXP USA Inc. I.MX 32-BIT MPU, ARM CORTEX-A7 C	<b>MCIMX7S5EVM08SD</b> NXP USA Inc. I.MX 7SOLO: REV 1.3	<b>MCIMX80DVN10AA</b> Freescale / NXP Semiconductors	<b>MCIMX6Z0DVM09AB</b> NXP USA Inc. IC MPU I.MX6ULZ 900MHZ 289MAPBGA
					
<b>MCIMX6Y2DVM09AB</b> NXP USA Inc. I.MX6ULL ROM PERF ENHAN	<b>MCIMX7D2DVM12SD</b> NXP USA Inc. MPU I.MX 7D 1.2GHZ 19X19 MAPBGA	<b>MCIMX7D5EVM10SC</b> NXP USA Inc. NO EPDC 2 ETH CAN 2 OTG 1 HSIC P	<b>MCIMX7U3DVK07SC</b> NXP USA Inc. IC I.MX 7ULP VFBGA 361	<b>MCIMX7D3DVK10SC</b> NXP USA Inc. NO EPDC, 2 ETH, NO CAN, 2 OTG 1	<b>MCIMX7S5EVM08SC</b> NXP USA Inc. NO EPDC, 1 ETH, CAN, 1 OTG 1 HSI

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

## Payment Support



The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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## Certifications & Memberships



View More

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