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See specifications for product details.



MCIMX7D2DVM12SD

Manufacturer Part Number	MCIMX7D2DVM12SD
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MCIMX7D2DVM12SD
ECAD Model	Request Free CAD Models
Parts Description	MPU I.MX 7D 1.2GHZ 19X19 MAPBGA
Package	541-LFBGA
Data sheet	MCIMX7D2D Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCIMX7D2DVM12SD - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX7D2DVM12SD datasheet/specifications on AllelcoElec.com.
Request a quote for MCIMX7D2DVM12SD, please send us email: info@allelco.com

Specifications

MCIMX7D2DVM12SD Tech Specifications
MCIMX7D2DVM12SD - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	0°C ~ 85°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	1.2GHz	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	AC97, 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. MCIMX7D2DVM12SD

Product Attribute							
Part Number	MCIMX7D2DVM12SD		MCIMX6Y2DVM05AB		MCIMX7S5EVM08SC		MCIMX6Y2DVM05AA
Manufacturer	NXP USA Inc.		NXP USA Inc.		NXP USA Inc.		NXP USA Inc.
Display & Interface Controllers	Keypad, LCD, MIPI		Electrophoretic, LCD		Keypad, LCD, MIPI		Electrophoretic, LCD
SATA	-		-		-		-
Mounting Type	Surface Mount		Surface Mount		Surface Mount		Surface Mount
Operating Temperature	0°C ~ 85°C (TJ)		0°C ~ 95°C (TJ)		-20°C ~ 105°C (TJ)		0°C ~ 95°C (TJ)
Package	Tray		Tray		Tray		Tray
Graphics Acceleration	No		No		No		No
Security Features	A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS		A-HAB, ARM TZ, CSU, SJC, SNVS		A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS		A-HAB, ARM TZ, CSU, SJC, SNVS
Additional Interfaces	AC97, CAN, eCSPI, I²C, I²S, MMC/SD/SDIO, PCIe, QSPI, SAI, UART		CAN, I²C, SPI, UART		AC97, CAN, eCSPI, I²C, I²S, MMC/SD/SDIO, PCIe, QSPI, SAI, UART		CAN, I²C, SPI, UART
USB	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)		USB 2.0 OTG + PHY (2)		USB 2.0 + PHY (1), USB 2.0 OTG + PHY (1)		USB 2.0 OTG + PHY (2)
Series	i.MX7D		i.MX6		i.MX7S		i.MX6
Voltage - I/O	1.8V, 3.3V		1.8V, 2.8V, 3.3V		1.8V, 3.3V		1.8V, 2.8V, 3.3V
Speed	1.2GHz		528MHz		800MHz		528MHz
Number of Cores/Bus Width	2 Core, 32-Bit		1 Core, 32-Bit		1 Core, 32-Bit		1 Core, 32-Bit
Ethernet	10/100/1000Mbps (2)		10/100Mbps (2)		10/100/1000Mbps (1)		10/100Mbps (2)
Core Processor	ARM® Cortex®-A7, ARM® Cortex®-M4		ARM® Cortex®-A7		ARM® Cortex®-A7, ARM® Cortex®-M4		ARM® Cortex®-A7
Package / Case	541-LFBGA		289-LFBGA		541-LFBGA		289-LFBGA
Supplier Device Package	541-MAPBGA (19x19)		289-MAPBGA (14x14)		541-MAPBGA (19x19)		289-MAPBGA (14x14)
Base Product Number	MCIMX7		MCIMX6		MCIMX7		MCIMX6
Co-Processors/DSP	Multimedia; NEON™ MPE		Multimedia; NEON™ MPE		Multimedia; NEON™ MPE		Multimedia; NEON™ MPE
RAM Controllers	LPDDR2, LPDDR3, DDR3, DDR3L		LPDDR2, DDR3, DDR3L		LPDDR2, LPDDR3, DDR3, DDR3L		LPDDR2, DDR3, DDR3L

MCIMX7D2DVM12SD Datasheet PDF

Download MCIMX7D2DVM12SD pdf datasheets and NXP USA Inc. documentation for MCIMX7D2DVM12SD - NXP USA Inc..

Datasheets

MCIMX7D2D Datasheet.pdf

PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

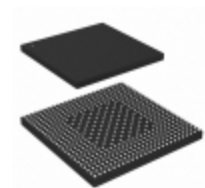
Environmental Information

NXP USA Inc REACH.pdf

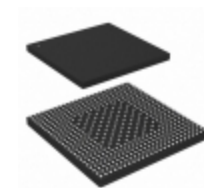
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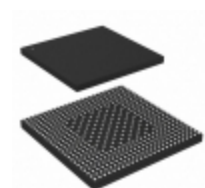
MCIMX6Y2DVM05AB
NXP USA Inc.
I.MX6ULL ROM PERF ENHAN



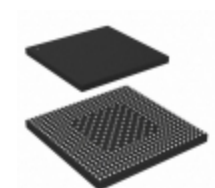
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NXP USA Inc.
NO EPDC, 2 ETH, NO CAN, 2 OTG 1



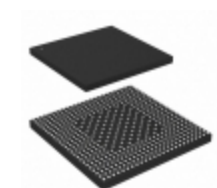
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NXP USA Inc.
I.MX6ULL ROM PERF ENHAN



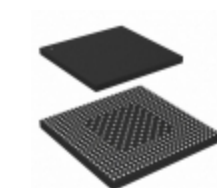
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NXP USA Inc.
I.MX6ULL ROM PERF ENHAN



MCIMX7D7DVM10SC
NXP USA Inc.
EPDC, 2 ETH, CAN, 2 OTG 1 HSIC,



MCIMX7D5EVM10SC
NXP USA Inc.
NO EPDC 2 ETH CAN 2 OTG 1 HSIC P

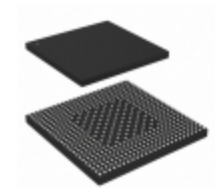


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NXP USA Inc.
IC MPU I.MX6ULZ 900MHZ
289MAPBGA

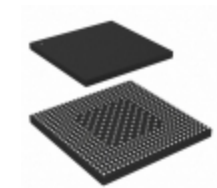
MCIMX7S5EVM08SD
NXP USA Inc.
I.MX 7SOLO: REV 1.3



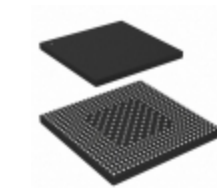
MCIMX7U3DVK07SC
NXP USA Inc.
IC I.MX 7ULP VFBGA 361



MCIMX7D7DVK10SD
NXP USA Inc.
MPU I.MX 7D 1GHZ MAPBGA



MCIMX7S3EVM08SC
NXP USA Inc.
NO EPDC, 1 ETH, NO CAN, 1 OTG 1



MCIMX6Y2CVM05AB
NXP USA Inc.
I.MX6ULL ROM PERF ENHAN

MCIMX7D5EVM10SD
NXP USA Inc.
I.MX 7DUAL: REV 1.3

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

Contact us if you have any questions.



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Certifications & Memberships



View More

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