

MCIMX7D7DVM10SD



Part Number: [MCIMX7D7DVM10SD](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: MPU I.MX 7D 1GHZ MAPBGA

Data sheet:

RoHs Status: Lead free / RoHS Compliant

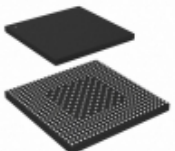
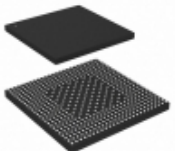
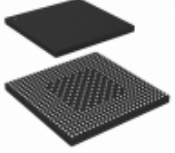
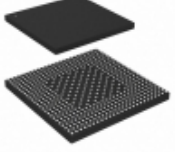
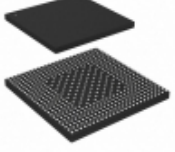
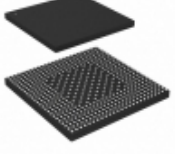
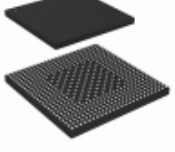
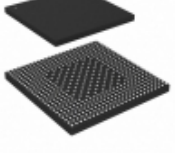
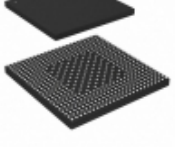
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PRODUCT PARAMETER			
Part Number	MCIMX7D7DVM10SD	Manufacturer	NXP Semiconductors / Freescale
Description	MPU I.MX 7D 1GHZ MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4713 pcs	Data sheet	
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 3.3V
USB	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)	Speed	1.0GHz
Series	i.MX7D	Security Features	A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS
SATA	-	RAM Controllers	LPDDR2, LPDDR3, DDR3, DDR3L
Other Names	935351921557	Operating Temperature	0°C ~ 95°C (TJ)
Number of Cores/Bus Width	2 Core, 32-Bit	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Graphics Acceleration	No
Ethernet	10/100/1000 Mbps (2)	Display & Interface Controllers	Keypad, LCD, MIPI
Detailed Description	ARM® Cortex®-A7, ARM® Cortex®-M4 Microprocessor IC i.MX7D 2 Core, 32-Bit 1.0GHz	Core Processor	ARM® Cortex®-A7, ARM® Cortex®-M4
Co-Processors/DSP	Multimedia; NEON™ MPE	Additional Interfaces	AC'97, CAN, eCSPI, I²C, I²S, MMC/SD/SDIO, PCIe, QSPI, SAI, UART
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RELATED PRODUCTS			
	Part#: MCIMX7D3EVK10SC Description: NO EPDC, 2 ETH, NO CAN, 2 OTG 1	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D3DVK10SC Description: NO EPDC, 2 ETH, NO CAN, 2 OTG 1	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX8M-EVK Description: EVAL BOARD FOR IMX8M	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D7DVK10SD Description: MPU I.MX 7D 1GHZ MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7S5EVK08SD Description: I.MX 7SOLO: REV 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D2DVM12SD Description: MPU I.MX 7D 1.2GHZ 19X19 MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D7DVM10SC Description: EPDC, 2 ETH, CAN, 2 OTG 1 HSIC,	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D7DVK10SC Description: EPDC, 2 ETH, CAN, 2 OTG 1 HSIC,	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7S5EVK08SC Description: NO EPDC, 1 ETH, CAN, 1 OTG 1 HSI	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7S3EVK08SC Description: NO EPDC, 1 ETH, NO CAN, 1 OTG 1	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D5EVM10SC Description: NO EPDC 2 ETH CAN 2 OTG 1 HSIC P	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D3EVK10SD Description: I.MX 7DUAL: REV 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7S3DVK08SC Description: NO EPDC, 1 ETH, NO CAN, 1 OTG 1	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7S3DVK08SD Description: I.MX 7SOLO: REV 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7S5EVM08SD Description: I.MX 7SOLO: REV 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7SABRE Description: I.MX7 DEVELOPMENT KIT	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX7D3DVK10SD Description: I.MX 7DUAL: REV 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7S3EVK08SD Description: I.MX 7SOLO: REV 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ
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