

MCIMX7D2DVK12SC



Part Number: [MCIMX7D2DVK12SC](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: I.MX 7D 1.2 GHZ 12X12 MAPBGA

Data sheet:  [IMX 7DUAL Appl Processor Reference Manual](#)
 [MCIMX7D2D Datasheet](#)
 [IMX7Dual, 7Solo Hardware Development Guide](#)
 [IMX 7Solo, IMX 7Dual Fact Sheet](#)

RoHs Status:

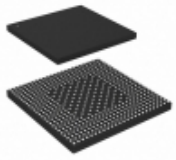
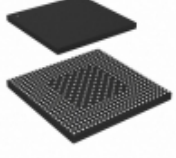
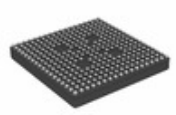
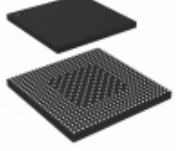
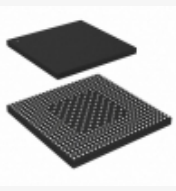
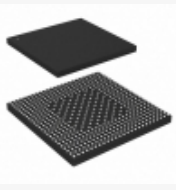
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PRODUCT PARAMETER			
Part Number	MCIMX7D2DVK12SC	Manufacturer	NXP Semiconductors / Freescale
Description	I.MX 7D 1.2 GHZ 12X12 MAPBGA	Lead Free Status / RoHS Status	
Quantity Available	7343 pcs	Data sheet	IMX 7DUAL Appl Processor Reference Manual MCIMX7D2D Datasheet IMX7Dual, 7Solo Hardware Development Guide IMX 7Solo, IMX 7Dual Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 3.3V
USB	USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)	Supplier Device Package	488-FBGA (12x12)
Speed	1.2GHz	Series	i.MX7D
Security Features	A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS	SATA	-
RAM Controllers	LPDDR2, LPDDR3, DDR3, DDR3L	Packaging	Tray
Package / Case	488-TFBGA	Other Names	568-13375 935338715557
Operating Temperature	0°C ~ 85°C (TJ)	Number of Cores/Bus Width	2 Core, 32-Bit
Moisture Sensitivity Level (MSL)	3 (168 Hours)	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 1.2GHz 488-FBGA (12x12)	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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	Part#: MCIMX7D5EVM10SC Description: NO EPDC 2 ETH CAN 2 OTG 1 HSIC P	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D3DVK10SC Description: NO EPDC, 2 ETH, NO CAN, 2 OTG 1	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Y7DVK05AA Description: I.MX 32-BIT MPU ARM CORTEX-A7 C	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Y2DVM09AA Description: I.MX 6ULL 900 MHZ CONSUMER W/O E	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Y2DVM09AB Description: I.MX6ULL ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D5EVM10SD Description: I.MX 7DUAL: REV 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D3EVK10SC Description: NO EPDC, 2 ETH, NO CAN, 2 OTG 1	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Y2DVM05AB Description: I.MX6ULL ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Y2DVM05AA Description: I.MX 32-BIT MPU, ARM CORTEX-A7 C	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D2DVM12SC Description: I.MX 7D 1.2 GHZ 19X19 MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6Y7DVK05AB Description: I.MX6ULL ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX7D3DVK10SD Description: I.MX 7DUAL: REV 1.3	Manufacturers: NXP Semiconductors / Freescale	RFQ
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