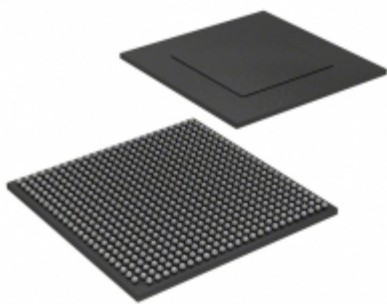


MCIMX6QP6AVT8AA



Part Number: [MCIMX6QP6AVT8AA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6QP 852MHZ 624FCBGA

Data sheet:  [MCIMX6\(D,Q\)PxAzzzzA](#)
 [i.MX 6 Series Fact Sheet](#)

RoHs Status: Lead free / RoHS Compliant

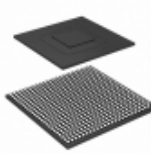
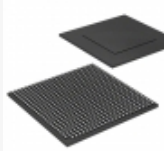
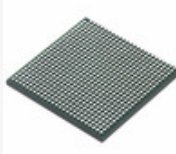
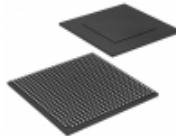
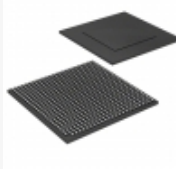
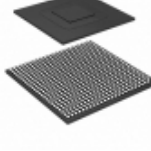
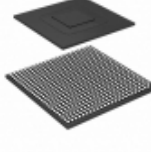
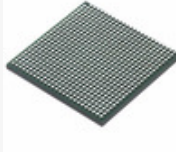
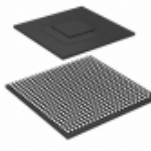
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	MCIMX6QP6AVT8AA	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6QP 852MHZ 624FCBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1329 pcs	Data sheet	MCIMX6(D,Q)PxAzzzzA i.MX 6 Series Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 2.5V, 2.8V, 3.3V
USB	USB 2.0 + PHY (3), USB 2.0 OTG + PHY (1)	Supplier Device Package	624-FCBGA (21x21)
Speed	852MHZ	Series	i.MX6QP
Security Features	ARM TZ, A-HAB, CAAM, CSU, SJC, SNVS	SATA	SATA 3Gbps (1)
RAM Controllers	LPDDR2, DDR3L, DDR3	Packaging	Tray
Package / Case	624-FBGA, FCBGA	Other Names	935325995557
Operating Temperature	-40°C ~ 125°C (TJ)	Number of Cores/Bus Width	4 Core, 32-Bit
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	15 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Graphics Acceleration	Yes
Ethernet	10/100/1000 Mbps (1)	Display & Interface Controllers	HDMI, Keypad, LCD, LVDS, MIPI/DSI, Parallel
Detailed Description	ARM® Cortex®-A9 Microprocessor IC i.MX6QP 4 Core, 32-Bit 852MHZ 624-FCBGA (21x21)	Core Processor	ARM® Cortex®-A9
Co-Processors/DSP	Multimedia; NEON™ SIMD	Additional Interfaces	CAN, EBI/EMI, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, S/PDIF, UART
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RELATED PRODUCTS			
	Part#: MCIMX6S1AVM08ACR Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP6AVT1AA Description: IC MPU I.MX6QP 1GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP5EYM1AA Description: IC MPU I.MX6QP 1GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP5EYM1AB Description: IC MPU I.MX6QP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S1AVM08AD Description: I.MX6 SOLO MAPBGA 800 MHZ	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT1AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S1AVM08ADR Description: I.MX6 SOLO MAPBGA 800 MHZ	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP6AVT1AAR Description: I.MX 6 SERIES 32-BIT MPU QUAD A	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT8AA Description: IC MPU I.MX6QP 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S1AVM10AC Description: I.MX 6 SERIES 32-BIT MPU ARM CO	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP6AVT1AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT8AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP5EVT2AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP7CVT8AA Description: IC MPU I.MX6QP 800MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S1AVM08ABR Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP5EVT2AA Description: I.MX 6QUADPLUS MPU 4X ARM CORTE	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S1AVM08AC Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP7CVT8AB Description: IC MPU I.MX6QP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP6AVT8AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S1AVM08AB Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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