

MCIMX6QP6AVT1AAR



Part Number: [MCIMX6QP6AVT1AAR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: I.MX 6 SERIES 32-BIT MPU QUAD A

Data sheet:  [MCIMX6\(D,Q\)PxAVTx\(A,B\)](#)

RoHs Status:

Ship From: Hong Kong

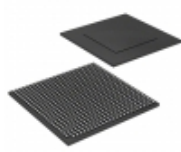
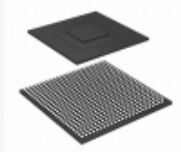
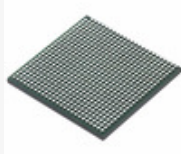
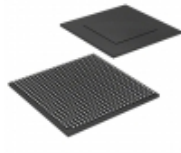
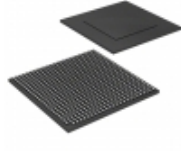
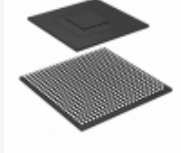
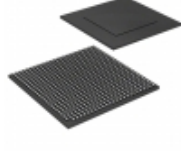
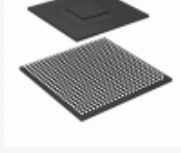
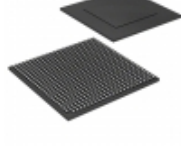
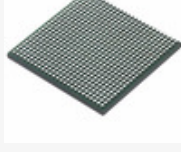
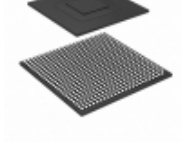
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PRODUCT PARAMETER			
Part Number	MCIMX6QP6AVT1AAR	Manufacturer	NXP Semiconductors / Freescale
Description	I.MX 6 SERIES 32-BIT MPU QUAD A	Lead Free Status / RoHS Status	
Quantity Available	1303 pcs	Data sheet	MCIMX6(D,Q)PxAVTx(A,B)
Category	Integrated 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)	Speed	1.0GHz
Series	i.MX6QP	Security Features	ARM TZ, A-HAB, CAAM, CSU, SJC, SNVS
SATA	SATA 3Gbps (1)	RAM Controllers	LPDDR2, DDR3L, DDR3
Other Names	935318871518	Operating Temperature	-40°C ~ 125°C (TJ)
Number of Cores/Bus Width	4 Core, 32-Bit	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 1.0GHz	Core Processor	ARM® Cortex®-A9
Co-Processors/DSP	Multimedia; NEON™ SIMD		

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RELATED PRODUCTS			
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	Part#: MCIMX6S1AVM08AC Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP6AVT1AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP7CVT8AB Description: IC MPU I.MX6QP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6QP4AVT8AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP6AVT8AA Description: IC MPU I.MX6QP 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP-SDB Description: I.MX 6QP CONSUMER DEVELOPMENT PL	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT8AA Description: IC MPU I.MX6QP 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S1AVM08ABR Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP7CVT8AA Description: IC MPU I.MX6QP 800MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP5EVT2AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP6AVT8AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6S1AVM08AB 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#: MCIMX6QP5EYM1AB Description: IC MPU I.MX6QP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S1AVM08ACR Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6QP4AVT1AB Description: I.MX 6QP ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ

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