



NXP Semiconductors / Freescale

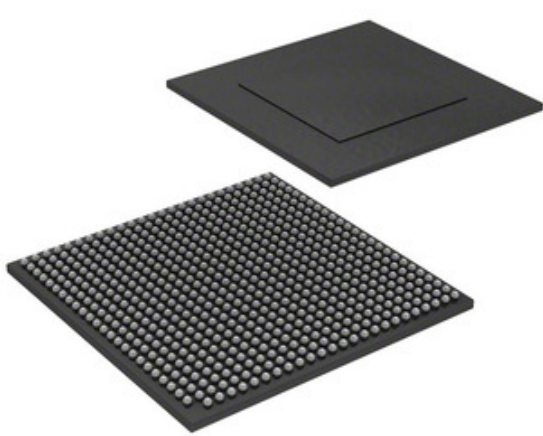


Image may be representation. See specifications for product details.

MCIMX6QP6AVT1AA

Part Number:	MCIMX6QP6AVT1AA
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description	IC MPU I.MX6QP 1GHZ 624FCBGA
	 1.MCIMX6QP6AVT1AA.pdf
	 2.MCIMX6QP6AVT1AA.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

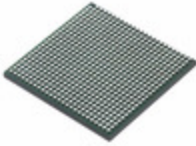
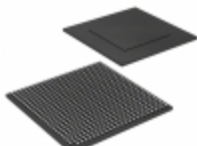
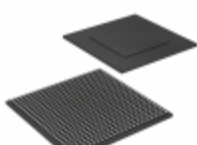
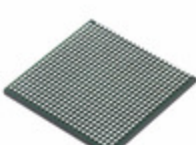
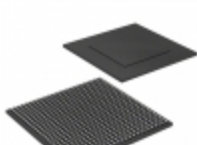
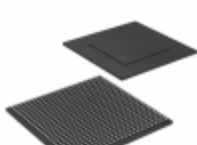
Specifications of MCIMX6QP6AVT1AA

PART NUMBER	MCIMX6QP6AVT1AA
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU I.MX6QP 1GHZ 624FCBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	 1.MCIMX6QP6AVT1AA.pdf  2.MCIMX6QP6AVT1AA.pdf
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	1.0GHz
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	935318871557
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 1.0GHz 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

Related Tags

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Related Products

 MCIMX6QP6AVT1AB Manufacturers: NXP Semiconductors / Freescale Description: I.MX 6QP ROM PERF ENHAN In stock: Out stock RFQ	 MCIMX6QP5EYM1AB Manufacturers: NXP Semiconductors / Freescale Description: IC MPU I.MX6QP ENHAN 624FCBGA In stock: 67 pcs RFQ
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