


	<b>MCIMX6Q6AVT08AD</b>
	<b>Manufacturer Part Number:</b> MCIMX6Q6AVT08AD
	<b>Manufacturer/Brand:</b> NXP Semiconductors / Freescale
	<b>Part of Description:</b> IC MPU I.MX6Q 852MHZ 624FCBGA
	<b>Datasheets:</b> <ul style="list-style-type: none"> <li> <a href="#">1.MCIMX6Q6AVT08AD.pdf</a></li> <li> <a href="#">2.MCIMX6Q6AVT08AD.pdf</a></li> <li> <a href="#">3.MCIMX6Q6AVT08AD.pdf</a></li> </ul>
<b>RoHs Status:</b>	 Lead free / RoHS
<b>Stock Condition:</b>	Compliant New original, 330 pcs Stock Available.
<b>Ship From:</b>	Hong Kong
<b>Shipment Way:</b>	DHL/Fedex/TNT/UPS/EMS
Image may be representation. See specs for product details.	

### Specifications

Part Number	MCIMX6Q6AVT08AD
Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6Q 852MHZ 624FCBGA
Category	Integrated Circuits (ICs) > Embedded - Microprocessors
Part Status	330 pcs Stock
Series	i.MX6Q
Operating Temperature	-40°C ~ 125°C (TJ)
Package / Case	624-FBGA, FCBGA
Supplier Device Package	624-FCBGA (21x21)
Core Processor	ARM® Cortex®-A9
Speed	852MHZ
Ethernet	10/100/1000 Mbps (1)
USB	USB 2.0 + PHY (4)
Voltage - I/O	1.8V, 2.5V, 2.8V, 3.3V
Number of Cores/Bus Width	4 Core, 32-Bit
Co-Processors/DSP	Multimedia; NEON™ SIMD
RAM Controllers	LPDDR2, LVDDR3, DDR3
Graphics Acceleration	Yes
Display & Interface Controllers	Keypad, LCD
SATA	SATA 3Gbps (1)
Security Features	ARM TZ, Boot Security, Cryptography, RTIC, Secure
Additional Interfaces	CAN, I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD/SDIO, SAI, SPI, SSI, UART
Packaging	Tray














































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 <b>MCIMX6Q6AVT08AC</b> NXP Semiconductors / Freescale IC MPU I.MX6Q 852MHZ 624FCBGA	 <b>MCIMX6Q6AVT08AER</b> NXP Semiconductors / Freescale I.MX6Q ROM PERF ENHAN	 <b>MCIMX6Q6AVT10AC</b> NXP Semiconductors / Freescale IC MPU I.MX6Q 1.0GHZ 624FCBGA	 <b>MCIMX6Q5EZK08AE</b> NXP Semiconductors / Freescale I.MX6Q POP ROM PERF ENHA

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 EPM7032AETI44-7	 FDP6021P	 FF650R17IE4D_B2	 FQD5N60CTF	 FRD2412S2Z
 GD75323D	 GRM1555C1H7R0DZ01J	 GRM1556T1H5R3DD01D	 GRM1886T1H471JD01D	 HAT2226R-EL-E
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 LM4040CIZ-10.0	 LP2985IM-A	 LTC1263CS8	 LTC3124IFE#TRPBF	 MAX4613EUE-T
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