


SOC i.MX 6Quad ARM Cortex A9 40nm Automotive 624-Pin FCBGA Tray



Images are for reference only

[Inquiry](#)

Manufacturer:	NXP Semiconductor
Package/Case:	BGA
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND

General Description

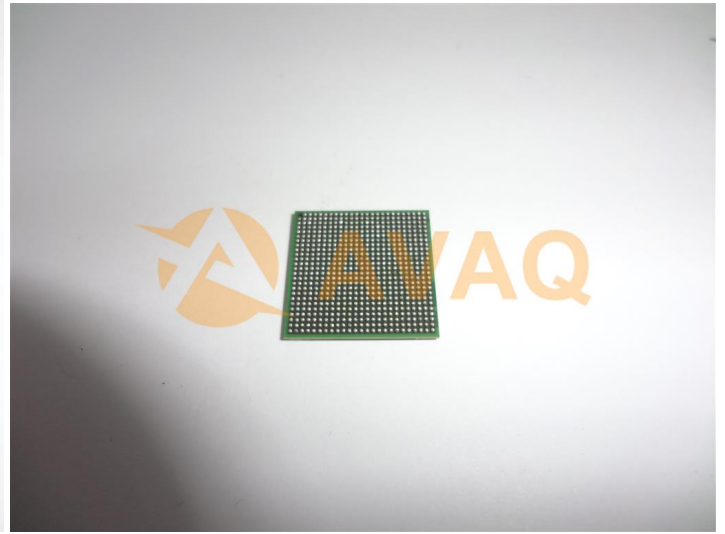
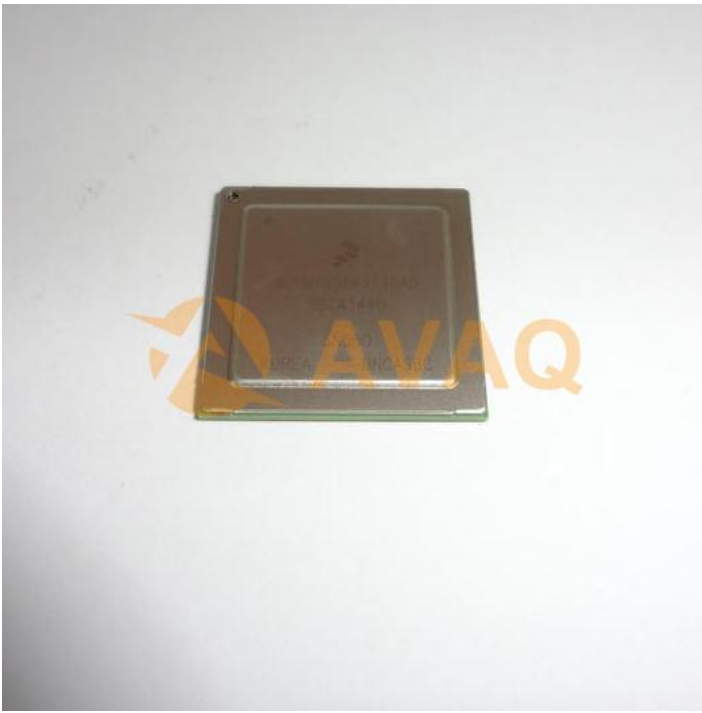
MCIMX6Q6AVT10AD is a part number for the i.MX6 Quad processor, which is a product of NXP Semiconductors. It is a high-performance, low-power processor designed for use in a wide range of applications.

Key Features

- Quad-core ARM Cortex-A9 CPU
- 2D and 3D graphics acceleration
- Video decoding and encoding up to 1080p
- High-performance DDR3/LPDDR2 memory interface
- Multiple connectivity options, including Gigabit Ethernet, USB, SATA, and PCIe
- Support for multiple operating systems, including Linux, Android, and Windows Embedded

Application

- Automotive infotainment systems
- Industrial automation and control
- Medical devices
- Smart home automation
- Wearable devices
- Digital signage
- Gaming devices
- Robotics



Recommended For You

MCIMX6D6AVT10AD

NXP Semiconductor

BGA

MCIMX515DJM8C

NXP Semiconductor

BGA

MCIMX6S5DVM10AC

NXP Semiconductor

BGA

MC9S12XDP512CAL

NXP Semiconductor

QFP

MC908MR16CFUE

NXP Semiconductor

QFP

MC9S08AW60CPUE

NXP Semiconductor

LQFP64

MCIMX233DJM4B

NXP Semiconductor

BGA

MC7457RX1000LC

NXP Semiconductor

BGA

MC9S12XEQ512CAG

NXP Semiconductor

LQFP144

MC9S08AW16MFGE

NXP Semiconductor

QFP44

MC9S08AW48CFUE

NXP Semiconductor

QFP64

MC9S08AW60MFGE

NXP Semiconductor

QFP44

MC9S12XEG128CAL

NXP Semiconductor

QFP

MC9S12C32CFAE25

NXP Semiconductor

QFP48

MC9S12C32VFAE25

NXP Semiconductor

QFP48