

NXP Semiconductors / Freescale

### MCIMX6Q6AVT10AE

Part Number:	MCIMX6Q6AVT10AE
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MPU I.MX6D ENHANCED 624FCBGA
Datasheets:	
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	1027 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

**REQUEST FOR QUOTATION**

#### Specifications of MCIMX6Q6AVT10AE

PART NUMBER	MCIMX6Q6AVT10AE
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU I.MX6D ENHANCED 624FCBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	1027 pcs
DATA SHEET	
VOLTAGE - I/O	1.8V, 2.5V, 2.8V, 3.3V
USB	USB 2.0 + PHY (4)
SUPPLIER DEVICE PACKAGE	624-FCBGA (21x21)
SPEED	1.0GHz
SERIES	i.MX6Q
SECURITY FEATURES	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection
SATA	SATA 3Gbps (1)
RAM CONTROLLERS	LPDDR2, LVDDR3, DDR3
PACKAGING	Tray
PACKAGE / CASE	624-FBGA, FCBGA
OTHER NAMES	568-13535 935357621557
OPERATING TEMPERATURE	-40°C ~ 125°C (TJ)
NUMBER OF CORES/BUS WIDTH	4 Core, 32-Bit
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
GRAPHICS ACCELERATION	Yes
ETHERNET	10/100/1000 Mbps (1)
DISPLAY & INTERFACE CONTROLLERS	Keypad, LCD
DETAILED DESCRIPTION	ARM® Cortex®-A9 Microprocessor IC i.MX6Q 4 Core, 32-Bit 1.0GHz 624-FCBGA (21x21)
CORE PROCESSOR	ARM® Cortex®-A9
CO-PROCESSORS/DSP	Multimedia; NEON™ SIMD

#### Related Tags

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#### Related Products

<p><b>MCIMX6Q7CZK08AD</b> Manufacturers: NXP Description: I.MX 6 SERIES 32-BIT MPU QUAD A In stock: 1785 pcs</p> <p><b>RFQ</b></p>	<p><b>MCIMX6Q6AVT10ACR</b> Manufacturers: NXP Semiconductors / Freescale Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA In stock: 1425 pcs</p>	<p><b>MCIMX6Q7CVT08AD</b> Manufacturers: NXP Description: IC MPU I.MX6Q 800MHZ 624FCBGA In stock: 1434 pcs</p> <p><b>RFQ</b></p>
<p><b>MCIMX6Q6AVT10ADR</b> Manufacturers: NXP Semiconductors / Freescale Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA In stock: 1556 pcs</p>	<p><b>MCIMX6Q6AVT10AC</b> Manufacturers: NXP Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA In stock: 1345 pcs</p> <p><b>RFQ</b></p>	<p><b>MCIMX6Q7CVT08AE</b> Manufacturers: NXP Description: I.MX6Q ROM PERF ENHAN In stock: 1316 pcs</p> <p><b>RFQ</b></p>
<p><b>MCIMX6Q6AVT10AER</b> Manufacturers: NXP Semiconductors / Freescale Description: IC MPU I.MX6D ENHANCED 624FCBGA In stock: 1365 pcs</p>	<p><b>MCIMX6Q7CVT08AC</b> Manufacturers: NXP Description: IC MPU I.MX6Q 800MHZ 624FCBGA In stock: 1350 pcs</p> <p><b>RFQ</b></p>	<p><b>MCIMX6Q6AVT10AD</b> Manufacturers: NXP Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA In stock: 1222 pcs</p> <p><b>RFQ</b></p>
<p><b>MCIMX6Q6AVT08AER</b> Manufacturers: NXP Semiconductors / Freescale Description: I.MX6Q ROM PERF ENHAN In stock: 1378 pcs</p>	<p><b>MCIMX6Q7CZK08AE</b> Manufacturers: NXP Description: ARIK-Q POP ROM PERF ENHA In stock: 1646 pcs</p> <p><b>RFQ</b></p>	<p><b>MCIMX6Q6AVT08AE</b> Manufacturers: NXP Description: I.MX6Q ROM PERF ENHAN In stock: 1493 pcs</p> <p><b>RFQ</b></p>

