

NXP Semiconductors / Freescale



MCIMX6Q6AVT10AER

Part Number:	MCIMX6Q6AVT10AER
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description	IC MPU I.MX6D ENHANCED 624FCBGA
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Stock Condition	1365 pcs stock
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of MCIMX6Q6AVT10AER

PART NUMBER	MCIMX6Q6AVT10AER
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU I.MX6D ENHANCED 624FCBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	1365 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	Tape & Reel (TR)
PACKAGE / CASE	624-FBGA, FCBGA
OTHER NAMES	935357621518
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

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	MCIMX6Q7CVT08AD Manufacturers: NXP Description: IC MPU I.MX6Q 800MHZ 624FCBGA In stock: 1434 pcs RFQ		MCIMX6QP-SDB Manufacturers: NXP Description: I.MX 6QP CONSUMER DEVELOPMENT PL In stock: 219 pcs RFQ
			MCIMX6Q7CVT08AC Manufacturers: NXP Description: IC MPU I.MX6Q 800MHZ 624FCBGA In stock: 1350 pcs RFQ
MCIMX6Q6AVT08AER Manufacturers: NXP Semiconductors / Freescale Description: I.MX6Q ROM PERF ENHAN In stock: 1378 pcs	MCIMX6Q7CZK08AE Manufacturers: NXP Description: ARIK-Q POP ROM PERF ENHA In stock: 1646 pcs RFQ		
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