

Specifications	
Part Number	MCIMX6Q4AVT08ADR
Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6Q 852MHZ 624FCBGA
Category	Integrated Circuits (ICs) > Embedded - Microprocessors
Part Status	2656 pcs Stock
Voltage - I/O	1.8V, 2.5V, 2.8V, 3.3V
USB	USB 2.0 + PHY (4)
Supplier Device Package	624-FCBGA (21x21)
Speed	852MHZ
Series	i.MX6Q
Security Features	ARM TZ, Boot Security, Cryptography, RTIC, Secure
SATA	SATA 3Gbps (1)
RAM Controllers	LPDDR2, LVDDR3, DDR3
Packaging	Tape & Reel (TR)
Package / Case	624-FBGA, FCBGA
Operating Temperature	-40°C ~ 125°C (TJ)
Number of Cores/Bus Width	4 Core, 32-Bit
Graphics Acceleration	Yes
Ethernet	10/100/1000 Mbps (1)
Display & Interface Controllers	Keypad, LCD
Core Processor	ARM® Cortex®-A9
Co-Processors/DSP	Multimedia; NEON™ SIMD
Additional Interfaces	CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, UART

In: MCIMX6Q-SDP NXP Semiconductors / Freescale KIT EVAL SABRE FOR I.MX6Q	MCIMX6Q4AVT08AC NXP USA Inc. IC MPU I.MX6Q 852MHZ 624FCBGA	MCIMX6Q-SDB NXP Semiconductors / Freescale BOARD EVAL SABRE FOR I.MX6Q	MCIMX6Q4AVT10AC NXP USA Inc. IC MPU I.MX6Q 1.0GHZ 624FCBGA
MCIMX6Q4AVT08AE NXP Semiconductors / Freescale I.MX6Q ROM PERF ENHAN	MCIMX6Q4AVT10ACR NXP USA Inc. IC MPU I.MX6Q 1.0GHZ 624FCBGA	MCIMX6Q4AVT10AD NXP USA Inc. IC MPU I.MX6Q 1.0GHZ 624FCBGA	MCIMX6Q4AVT08AER NXP Semiconductors / Freescale I.MX6Q ROM PERF ENHAN

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