

MCIMX6S8DVM10AB



Part Number: [MCIMX6S8DVM10AB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA

Data sheet:  [i.MX 6 Series Fact Sheet](#)
 [i.MX 6Solo/6DualLite](#)
 [i.MX 6Solo/6DualLite Errata](#)

RoHs Status: Lead free / RoHS Compliant

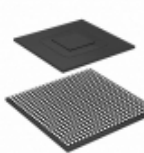
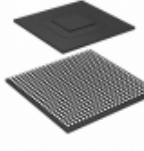
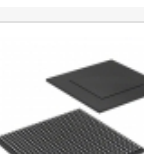
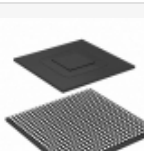
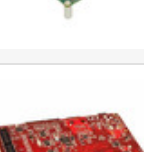
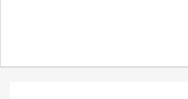
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PRODUCT PARAMETER			
Part Number	MCIMX6S8DVM10AB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6S 1.0GHZ 624MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4479 pcs	Data sheet	i.MX 6 Series Fact Sheet i.MX 6Solo/6DualLite i.MX 6Solo/6DualLite Errata
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 2.5V, 2.8V, 3.3V
USB	USB 2.0 + PHY (4)	Supplier Device Package	624-MAPBGA (21x21)
Speed	1.0GHz	Series	i.MX6S
Security Features	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection	SATA	-
RAM Controllers	LPDDR2, LVDDR3, DDR3	Packaging	Tray
Package / Case	624-LFBGA	Other Names	935323313557
Operating Temperature	0°C ~ 95°C (TJ)	Number of Cores/Bus Width	1 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.MX6S 1 Core, 32-Bit 1.0GHz 624-MAPBGA (21x21)
Core Processor	ARM® Cortex®-A9	Co-Processors/DSP	Multimedia; NEON™ SIMD
Base Part Number	MCIMX6	Additional Interfaces	CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, UART
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RELATED PRODUCTS			
	Part#: MCIMX6U1AVM08AC Description: IC MPU I.MX6DL 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S6AVM08ACR Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S7CVM08ACR Description: I.MX 6 SERIES 32-BIT MPU ARM CO	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S7CVM08ADR Description: I.MX6 SOLO ROM PERFENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S6AVM10AC Description: I.MX 6 SERIES 32-BIT MPU ARM CO	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S7CVM08AB Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S6AVM10AD Description: I.MX 6S ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S7CVM08AD Description: I.MX6 SOLO ROM PERFENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U1AVM08AD Description: I.MX6 DL ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S7CVM08AC Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S6AVM08AD Description: I.MX6SOLO ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U1AVM08AB Description: IC MPU I.MX6DL 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6SX-SDB Description: DEMO BOARD MCIMX6SX MPU	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6SLL-EVK Description: MCIMX6SLL-EVK	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6SLEVK Description: KIT EVAL MCIMX6SL	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S8DVM10AC Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S8DVM10AD Description: I.MX 6S ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S6AVM08ADR Description: I.MX6SOLO ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U1AVM08ABR Description: IC MPU I.MX6DL 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6U1AVM08ACR Description: IC MPU I.MX6DL 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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