

MCIMX6S5EVM10AB



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Part Number: [MCIMX6S5EVM10AB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA

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

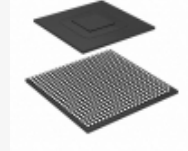
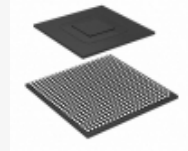
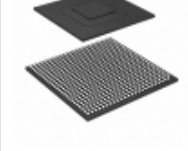
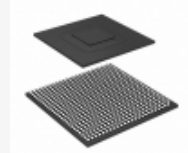
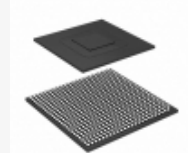
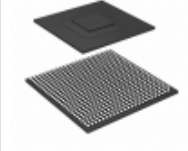
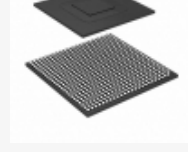
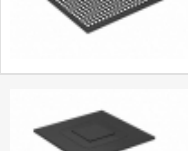
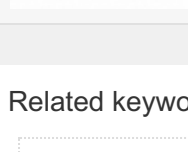
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MCIMX6S5EVM10AB	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX6S 1.0GHZ 624MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4552 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	935317895557
Operating Temperature	-20°C ~ 105°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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	Part#: MCIMX6S4AVM08ADR Description: I.MX 6S ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S6AVM08AB Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S5EVM10ABR Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6S5DVM10ADR Description: II.MX 6S ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S4AVM10AD Description: I.MX6 SOLO ROM PERF ENHA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S6AVM08ABR Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S5EVM10ADR Description: I.MX 6S ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S6AVM08AC Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6S6AVM08ACR Description: IC MPU I.MX6S 800MHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S5DVM10AD Description: II.MX 6S ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S5DVM10ACR Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6S5EVM10ACR Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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