

MCIMX6G1AVM05AA



Part Number: [MCIMX6G1AVM05AA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MC6UL 528MHZ 289BGA

Data sheet:  [MCIMX6GxAzzzzzA](#)

RoHs Status: Lead free / RoHS Compliant

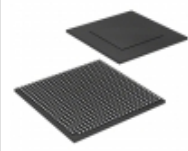
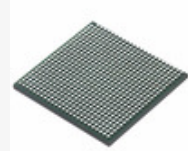
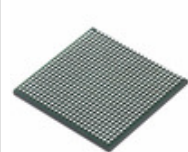
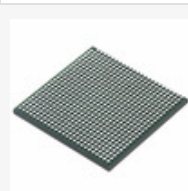
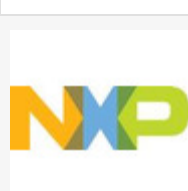
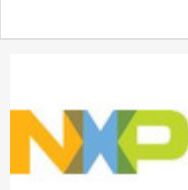
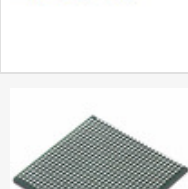
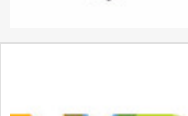
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PRODUCT PARAMETER			
Part Number	MCIMX6G1AVM05AA	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MC6UL 528MHZ 289BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5377 pcs	Data sheet	MCIMX6GxAzzzzzA
Category	Integrated Circuits (ICs)	Voltage - I/O	1.2V, 1.35V, 1.5V, 1.8V, 2.5V, 2.8V, 3.3V
USB	USB 2.0 + PHY (2)	Supplier Device Package	289-MAPBGA (14x14)
Speed	528MHz	Series	i.MX6UL
Security Features	ARM TZ, A-HAB, CAAM, CSU, SJC, SNVS	SATA	-
RAM Controllers	LPDDR2, DDR3, DDR3L	Packaging	Tray
Package / Case	289-LFBGA	Other Names	935318517557
Operating Temperature	-40°C ~ 125°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	No	Ethernet	10/100 Mbps (1)
Display & Interface Controllers	LVDS	Detailed Description	ARM® Cortex®-A7 Microprocessor IC i.MX6UL 1 Core, 32-Bit 528MHz 289-MAPBGA (14x14)
Core Processor	ARM® Cortex®-A7	Co-Processors/DSP	Multimedia; NEON™ SIMD
Additional Interfaces	CAN, EBI/EMI, I²C, I²S, MMC/SD/SDIO, QSPI, SAI, SPI, SSI, S/PDIF, UART		
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	Part#: MCIMX6DP6AVT1AB Description: IC MPU I.MX6DP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G2AVM07AA Description: IC MPU I.MC6UL 696MHZ 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G2AVM05AA Description: IC MPU I.MC6UL 528MHZ 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP7CVT8AB Description: IC MPU I.MX6DP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX6G1AVM05AB Description: IC MPU I.MX6UL 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G0DVM05AA Description: IC MPU I.MC6UL 528MHZ 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G0DVM05ABR Description: I.MX 32-BIT MPU ARM CORTEX-A7 C	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G2AVM05AB Description: IC MPU I.MC6UL 528MHZ 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G1AVM07AA Description: IC MPU I.MC6UL 696MHZ 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP6AVT8AAR Description: I.MX 6 SERIES 32-BIT MPU DUAL A	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G1CVM05AB Description: IC MPU I.MX6UL 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G2AVM07AB Description: IC MPU I.MC6UL 696MHZ 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP6AVT8AA Description: IC MPU I.MX6DP 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G0DVM05AB Description: IC MPU I.MX6UL 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP6AVT8ABR Description: IC MPU I.MX6DP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G1AVM07AB Description: IC MPU I.MX6UL 289BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6G1CVM05ABR Description: I.MX 32-BIT MPU ARM CORTEX-A7 C	Manufacturers: NXP Semiconductors / Freescale	RFQ

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