

MCIMX281AVM4B



Part Number: [MCIMX281AVM4B](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX28 454MHZ 289MAPBGA

Data sheet:  [i.MX28 Layout Guidelines](#)
 [i.MX28 Datasheet](#)
 [i.MX28 Reference Manual](#)

RoHs Status: Lead free / RoHS Compliant

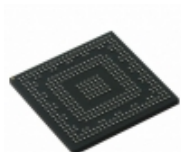
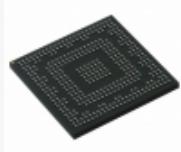
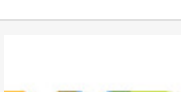
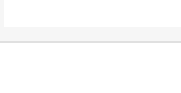
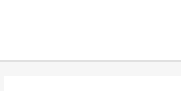
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PRODUCT PARAMETER			
Part Number	MCIMX281AVM4B	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU I.MX28 454MHZ 289MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8327 pcs	Data sheet	i.MX28 Layout Guidelines i.MX28 Datasheet i.MX28 Reference Manual
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 3.3V
USB	USB 2.0 + PHY (2)	Supplier Device Package	289-MAPBGA (14x14)
Speed	454MHz	Series	i.MX28
Security Features	Boot Security, Cryptography, Hardware ID	SATA	-
RAM Controllers	LVDDR, LVDDR2, DDR2	Packaging	Tray
Package / Case	289-LFBGA	Other Names	568-13727 935323026557 MCIMX281AVM4B-ND
Operating Temperature	-40°C ~ 85°C (TA)	Number of Cores/Bus Width	1 Core, 32-Bit
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	15 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Graphics Acceleration	No
Ethernet	10/100 Mbps (1)	Display & Interface Controllers	Keypad
Detailed Description	ARM926EJ-S Microprocessor IC i.MX28 1 Core, 32-Bit 454MHz 289-MAPBGA (14x14)	Core Processor	ARM926EJ-S
Co-Processors/DSP	Data; DCP	Base Part Number	MCIMX281
Additional Interfaces	CAN, I ² C, I ² S, MMC/SD/SDIO, SAI, SPI, SSI, SSP, UART		
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	Part#: MCIMX27VJP4A Description: IC MPU I.MX27 400MHZ 404MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX27VJP4AR2 Description: IC MPU I.MX27 400MHZ 404MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX286DVM4BR Description: I.MX28 32-BIT MPU ARM926EJ-S CO	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX280CVM4BR2 Description: IC MPU I.MX28 454MHZ 289MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX286CVM4B Description: IC MPU I.MX28 454MHZ 289MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX283CVM4B Description: IC MPU I.MX28 454MHZ 289MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MCIMX285AVM4B Description: IC MPU I.MX28 454MHZ 289MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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