

MCIMX6D7CZK08AD



Part Number: [MCIMX6D7CZK08AD](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: I.MX 6 SERIES 32-BIT MPU QUAD A

Data sheet:  [I.MX 6 Series Fact Sheet](#)
 [i.MX 6Dual/6Quad Chip Errata](#)
 [iMX6D Ref Manual](#)
 [MCIMX6\(D,Q\)\(5,7\)\(C,E\)ZKzz\(D,E\)](#)

RoHs Status:

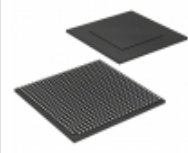
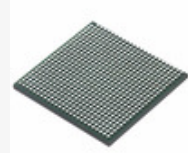
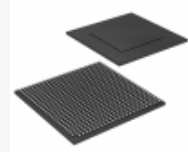
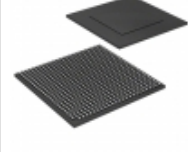
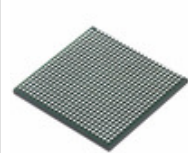
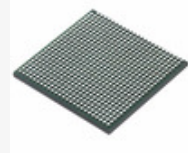
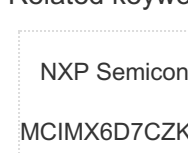
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PRODUCT PARAMETER			
Part Number	MCIMX6D7CZK08AD	Manufacturer	NXP Semiconductors / Freescale
Description	I.MX 6 SERIES 32-BIT MPU QUAD A	Lead Free Status / RoHS Status	
Quantity Available	2092 pcs	Data sheet	I.MX 6 Series Fact Sheet i.MX 6Dual/6Quad Chip Errata iMX6D Ref Manual MCIMX6(D,Q)(5,7)(C,E)ZKzz(D,E)
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 2.5V, 2.8V, 3.3V
USB	USB 2.0 + PHY (4)	Speed	800MHz
Series	i.MX6D	Security Features	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection
SATA	SATA 3Gbps (1)	RAM Controllers	LPDDR2, LVDDR3, DDR3
Other Names	935315782557	Operating Temperature	-40°C ~ 105°C (TA)
Number of Cores/Bus Width	2 Core, 32-Bit	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Graphics Acceleration	Yes	Ethernet	10/100/1000 Mbps (1)
Display & Interface Controllers	Keypad, LCD	Detailed Description	ARM® Cortex®-A9 Microprocessor IC i.MX6D 2 Core, 32-Bit 800MHz
Core Processor	ARM® Cortex®-A9	Co-Processors/DSP	Multimedia; NEON™ SIMD
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RELATED PRODUCTS			
	Part#: MCIMX6D6AVT10AC Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP4AVT1ABR Description: IC MPU I.MX6DP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D7CVT08AE Description: I.MX6D ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D6AVT10ADR Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP4AVT1AA Description: IC MPU I.MX6DP 1GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D7CVT08AD Description: IC MPU I.MX6D 800MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP4AVT8AA Description: IC MPU I.MX6DP 852MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D6AVT10AD Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP4AVT1AAR Description: I.MX 6 SERIES 32-BIT MPU DUAL A	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DL-SDB Description: KIT EVAL SABRE FOR I.MX6DL REV B	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP4AVT8AAR Description: I.MX 6 SERIES 32-BIT MPU DUAL A	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D6AVT10ACR Description: IC MPU I.MX6D 1.0GHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP4AVT8AB Description: IC MPU I.MX6DP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D6AVT08AER Description: I.MX6D ROM PERF ENHAN	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DL-SDP Description: KIT EVAL SABRE FOR I.MX6DL	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D7CVT08AC Description: IC MPU I.MX6D 800MHZ 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D6AVT10AE Description: IC MPU I.MX6D ENHANCED 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6DP4AVT1AB Description: IC MPU I.MX6DP ENHAN 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D7CZK08AE Description: ARIK-Q POP ROM PERF ENHA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MCIMX6D6AVT10AER Description: IC MPU I.MX6D ENHANCED 624FCBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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