

MVF51NS152CMK50



Part Number: [MVF51NS152CMK50](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT ROMLESS 364MAPBGA

Data sheet:  [VF6xx, VF5xx, VF3xx](#)

RoHs Status: Lead free / RoHS Compliant

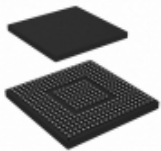
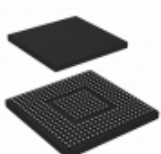
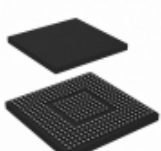
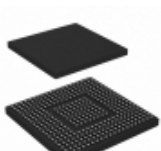
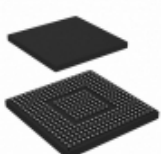
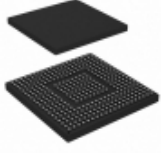
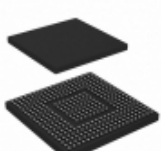
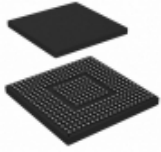
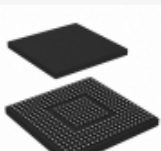
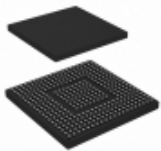
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PRODUCT PARAMETER			
Part Number	MVF51NS152CMK50	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT ROMLESS 364MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	3829 pcs	Data sheet	VF6xx, VF5xx, VF3xx
Category	Integrated Circuits (ICs)	Voltage - I/O	3.3V
USB	USB 2.0 OTG + PHY (1)	Supplier Device Package	364-LFBGA (17x17)
Speed	500MHz	Series	Vybrid, VF5xx
Security Features	ARM TZ, CAAM, HAB, RTIC, Secure JTAG, SNVS, Tamper, TZ ASC, TZ WDOG	SATA	-
RAM Controllers	LPDDR2, DDR3, DRAM	Packaging	Tray
Package / Case	364-LFBGA	Other Names	935336886557
Operating Temperature	-40°C ~ 85°C (TA)	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 Mbps (2)
Display & Interface Controllers	DCU, GPU, LCD, VideoADC, VIU	Detailed Description	ARM® Cortex®-A5 Microprocessor IC Vybrid, VF5xx 1 Core, 32-Bit 500MHz 364-LFBGA (17x17)
Core Processor	ARM® Cortex®-A5	Co-Processors/DSP	Multimedia; NEON™ MPE
Additional Interfaces	CAN, I²C, IrDA, LIN, SCI, SDHC, SPI, UART/USART		
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