



NXP Semiconductors / Freescale

SVF512R3K1CMK4

Part Number:	SVF512R3K1CMK4
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description	IC MCU 32BIT ROMLESS 364MAPBGA
Datasheets:	1.SVF512R3K1CMK4.pdf 2.SVF512R3K1CMK4.pdf
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

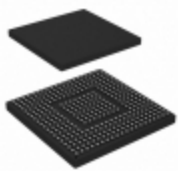
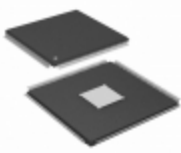
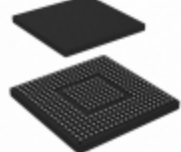
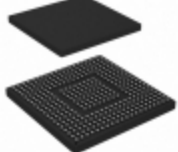
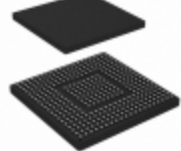
Specifications of SVF512R3K1CMK4

PART NUMBER	SVF512R3K1CMK4
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 32BIT ROMLESS 364MAPBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.SVF512R3K1CMK4.pdf 2.SVF512R3K1CMK4.pdf
VOLTAGE - I/O	3.3V
USB	USB 2.0 OTG + PHY (1)
SUPPLIER DEVICE PACKAGE	364-LFBGA (17x17)
SPEED	400MHz
SERIES	Vybrid, VF5xxR
SECURITY FEATURES	ARM TZ, Hashing, RNG, RTC, RTIC, Secure JTAG, SNVS, TZ ASC, TZ WDOG
SATA	-
RAM CONTROLLERS	LPDDR2, DDR3, DRAM
PACKAGING	Tray
PACKAGE / CASE	364-LFBGA
OTHER NAMES	568-14238 935320169557 SVF512R3K1CMK4-ND
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, VF5xxR 1 Core, 32-Bit 400MHz 364-LFBGA (17x17)
CORE PROCESSOR	ARM® Cortex®-A5
CO-PROCESSORS/DSP	Multimedia; NEON™ MPE
BASE PART NUMBER	SVF512
ADDITIONAL INTERFACES	CAN, I²C, IrDA, LIN, MediaLB, SCI, SDHC, SPI, UART/USART

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