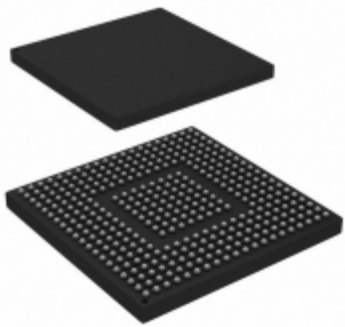


MVF61NN151CMK50



**Part Number:** [MVF61NN151CMK50](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MCU 32BIT ROMLESS 364MAPBGA

**Data sheet:**  [F Series Vybrid Ref Manual](#)  
 [VF6xx,VF5xx,VF3xx Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

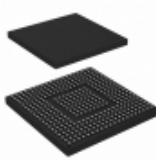
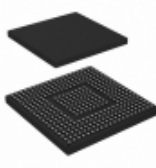
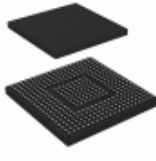
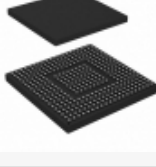
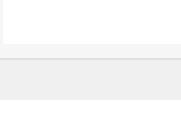
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                |                                           |                                |                                                                                                              |
|----------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number                      | MVF61NN151CMK50                           | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                               |
| Description                      | IC MCU 32BIT ROMLESS 364MAPBGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                   |
| Quantity Available               | 3284 pcs                                  | Data sheet                     | <a href="#">F Series Vybrid Ref Manual</a><br><a href="#">VF6xx,VF5xx,VF3xx Datasheet</a>                    |
| Category                         | <a href="#">Integrated Circuits (ICs)</a> | Voltage - I/O                  | 3.3V                                                                                                         |
| USB                              | USB 2.0 OTG + PHY (1)                     | Supplier Device Package        | 364-LFBGA (17x17)                                                                                            |
| Speed                            | 500MHz, 167MHz                            | Series                         | Vybrid, VF6xx                                                                                                |
| Security Features                | -                                         | SATA                           | -                                                                                                            |
| RAM Controllers                  | LPDDR2, DDR3, DRAM                        | Packaging                      | Tray                                                                                                         |
| Package / Case                   | 364-LFBGA                                 | Other Names                    | 935324663551                                                                                                 |
| Operating Temperature            | -40°C ~ 85°C (TA)                         | Number of Cores/Bus Width      | 2 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 + Cortex®-M4 Microprocessor IC Vybrid, VF6xx 2 Core, 32-Bit 500MHz, 167MHz 364-LFBGA (17x17) |
| Core Processor                   | ARM® Cortex®-A5 + Cortex®-M4              | Co-Processors/DSP              | Multimedia; NEON™ MPE                                                                                        |
| Base Part Number                 | MVF61NN151                                | Additional Interfaces          | CAN, I²C, IrDA, LIN, SCI, SDHC, SPI, UART/USART                                                              |

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|  | Part#: <a href="#">MVF60NS152CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF61NN152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF61NS152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF51NN151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF60NN151CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF51NN152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF51NS152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF60NS151CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF50NS152CMK50R</a><br>Description: MVF50NS152CMK50R               | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF60NS152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF62NN151CMK4</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF50NS152CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF51NS151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF60NS151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF62NN152CMK40</a><br>Description: VYBRID F 32-BIT MPU ARM CORTEX- | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF61NS151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF62NN151CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MVF60NN152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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