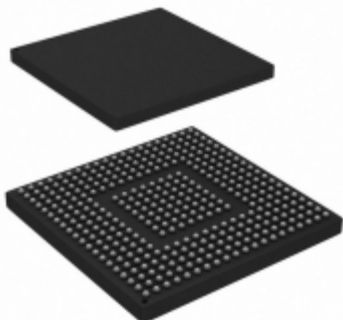


MVF51NS151CMK50



Part Number: [MVF51NS151CMK50](#)

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

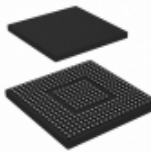
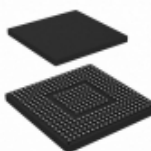
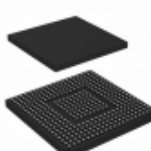
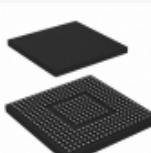
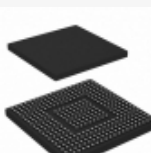
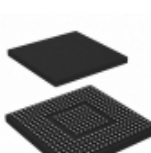
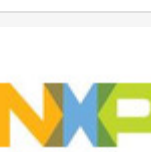
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                     |                                |                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MVF51NS151CMK50                                                     | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT ROMLESS 364MAPBGA                                      | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4851 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                                                              | 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                    | 568-14275<br>935323405557<br>MVF51NS151CMK50-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, VF5xx 1 Core, 32-Bit 500MHz 364-LFBGA (17x17)   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-A5                                                     | Co-Processors/DSP              | Multimedia; NEON™ MPE                                                                     |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MVF51NS151                                                          | Additional Interfaces          | CAN, I²C, IrDA, LIN, SCI, SDHC, SPI, UART/USART                                           |
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|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">MVF60NS152CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF51NN151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF50NS151CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF50NS152CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MVF50NN152CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF61NN151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF60NN151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF60NS151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MVF51NS152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF60NN152CMK40</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF50NS152CMK50R</a><br>Description: MVF50NS152CMK50R              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF50NS151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF60NN152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF60NN152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF51NN152CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MVF50NN151CMK50</a><br>Description: IC MCU 32BIT ROMLESS 364MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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