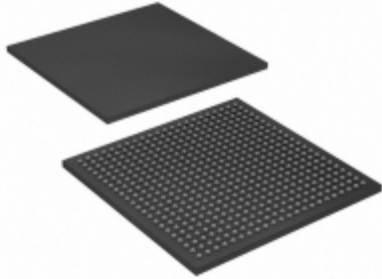


A2F200M3F-FGG484



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [A2F200M3F-FGG484](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA 256K FLASH 484FBGA

Data sheet:  [SmartFusion cSoC Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

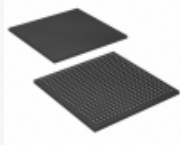
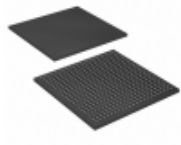
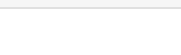
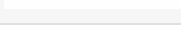
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| PRODUCT PARAMETER                |                                           |                                |                                                                                                                                       |
|----------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                      | A2F200M3F-FGG484                          | Manufacturer                   | <a href="#">Microsemi</a>                                                                                                             |
| Description                      | IC FPGA 256K FLASH 484FBGA                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                            |
| Quantity Available               | 4076 pcs                                  | Data sheet                     | <a href="#">SmartFusion cSoC Datasheet</a>                                                                                            |
| Category                         | <a href="#">Integrated Circuits (ICs)</a> | Supplier Device Package        | 484-FPBGA (23x23)                                                                                                                     |
| Speed                            | 80MHz                                     | Series                         | SmartFusion®                                                                                                                          |
| RAM Size                         | 64KB                                      | Primary Attributes             | ProASIC®3 FPGA, 200K Gates, 4608 D-Flip-Flops                                                                                         |
| Peripherals                      | DMA, POR, WDT                             | Packaging                      | Tray                                                                                                                                  |
| Package / Case                   | 484-BGA                                   | Other Names                    | 1100-1004<br>A2F200M3FFGG484                                                                                                          |
| Operating Temperature            | 0°C ~ 85°C (TJ)                           | Number of I/O                  | MCU - 41, FPGA - 94                                                                                                                   |
| Moisture Sensitivity Level (MSL) | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                            |
| Flash Size                       | 256KB                                     | Detailed Description           | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion® ProASIC®3 FPGA, 200K Gates, 4608 D-Flip-Flops 256KB 64KB 80MHz 484-FPBGA (23x23) |
| Core Processor                   | ARM® Cortex®-M3                           | Connectivity                   | EBI/EMI, Ethernet, I²C, SPI, UART/USART                                                                                               |
| Base Part Number                 | A2F200                                    | Architecture                   | MCU, FPGA                                                                                                                             |

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|  | Part#: <a href="#">A2F200M3F-CS288I</a><br>Description: IC FPGA 200K GATES 256KB 288-CSP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1CSG288I</a><br>Description: IC FPGA 500K GATES 512KB 288-CSP | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-CSG288</a><br>Description: IC FPGA 200K GATES 256KB 288-CSP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-CS288</a><br>Description: IC FPGA 200K GATES 256KB 288-CSP    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-FG484I</a><br>Description: IC FPGA 200K GATES 256KB 484-BGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-FGG256</a><br>Description: IC FPGA 256K FLASH 256FBGA         | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500-DEV-KIT-2</a><br>Description: KIT DEV SMARTFUSION A2F500         | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-FGG256I</a><br>Description: IC FPGA 200K GATES 256KB 256-BGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-CSG288I</a><br>Description: IC FPGA 200K GATES 256KB 288-CSP  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-FGG484I</a><br>Description: IC FPGA 200K GATES 256KB 256-BGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-PQG208I</a><br>Description: IC FPGA 200K GATES 256KB 208QFP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-FG256</a><br>Description: IC FPGA 200K GATES 256KB 256-BGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1CSG288</a><br>Description: IC FPGA 500K GATES 512KB 288-CSP  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1CS288I</a><br>Description: IC FPGA 500K GATES 512KB 288-CSP  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1CS288</a><br>Description: IC FPGA 500K GATES 512KB 288-CSP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-PQ208</a><br>Description: IC FPGA 200K GATES 256KB 208QFP     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-PQ208I</a><br>Description: IC FPGA 200K GATES 256KB 208QFP    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-FG256I</a><br>Description: IC FPGA 200K GATES 256KB 256-BGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F200M3F-FG484</a><br>Description: IC FPGA 200K GATES 256KB 484-BGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |

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