

A2F500M3G-1CSG288I



Part Number: [A2F500M3G-1CSG288I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA 500K GATES 512KB 288-CSP

Data sheet:  [SmartFusion cSoC Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

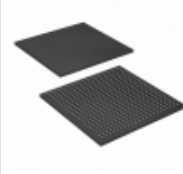
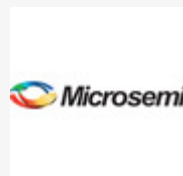
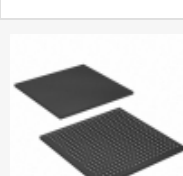
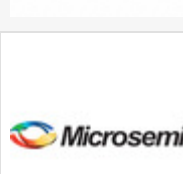
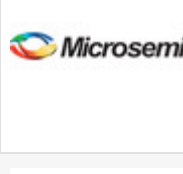
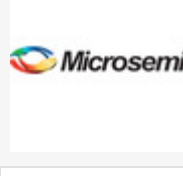
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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                       |                                  |                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                       | A2F500M3G-1CSG288I                                                                                                                    | Manufacturer                     | <a href="#">Microsemi</a>                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC FPGA 500K GATES 512KB 288-CSP                                                                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                | 4920 pcs                                                                                                                              | Data sheet                       | <a href="#">SmartFusion cSoC Datasheet</a>     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>                                                                                             | Supplier Device Package          | 288-CSP (11x11)                                |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100MHz                                                                                                                                | Series                           | SmartFusion®                                   |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                          | 64KB                                                                                                                                  | Primary Attributes               | ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                       | DMA, POR, WDT                                                                                                                         | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                    | 288-TFBGA, CSPBGA                                                                                                                     | Operating Temperature            | -40°C ~ 100°C (TJ)                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                     | MCU - 31, FPGA - 78                                                                                                                   | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                    | Lead free / RoHS Compliant                                                                                                            | Flash Size                       | 512KB                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                              | ARM® Cortex®-M3 System On Chip (SOC) IC SmartFusion® ProASIC®3 FPGA, 500K Gates, 11520 D-Flip-Flops 512KB 64KB 100MHz 288-CSP (11x11) |                                  |                                                |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                      | EBI/EMI, Ethernet, I²C, SPI, UART/USART                                                                                               | Core Processor                   | ARM® Cortex®-M3                                |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                      | MCU, FPGA                                                                                                                             | Base Part Number                 | A2F500M3G                                      |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 4920 pieces of Microsemi A2F500M3G-1CSG288I in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                                                                       |                                  |                                                |

| RELATED PRODUCTS                                                                   |                                                                                            |                                          |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------|----------------|
|  | Part#: <a href="#">A2F200M3F-FGG484</a><br>Description: IC FPGA 256K FLASH 484FBGA         | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1FGG256</a><br>Description: IC FPGA 512K FLASH 256FBGA        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1FG256I</a><br>Description: IC FPGA 500K GATES 512KB 256-BGA  | 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="#">A2F500M3G-1CS288</a><br>Description: IC FPGA 500K GATES 512KB 288-CSP   | 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-PQG208</a><br>Description: IC FPGA 256K FLASH 208QFP          | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1FG484M</a><br>Description: IC FPGA 500K GATES 512KB 484FBGA  | 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="#">A2F500M3G-1FG484</a><br>Description: IC FPGA 500K GATES 512KB 484-BGA   | 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-PQG208I</a><br>Description: IC FPGA 200K GATES 256KB 208QFP   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1FG256</a><br>Description: IC FPGA 500K GATES 512KB 256-BGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1FGG256M</a><br>Description: IC FPGA 500K GATES 512KB 256FBGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1FG256M</a><br>Description: IC FPGA 500K GATES 512KB 256FBGA  | 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-1FG484I</a><br>Description: IC FPGA 500K GATES 512KB 484-BGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1FGG484</a><br>Description: IC FPGA 512K FLASH 484FBGA        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">A2F500M3G-1FGG256I</a><br>Description: IC FPGA 500K GATES 512KB 256-BGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |

Related keywords for **A2F500M3G-1CSG288I**

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