

M2S090TS-1FCSG325I



Part Number: [M2S090TS-1FCSG325I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 90K LUTS

Data sheet:  [SmartFusion2 Product Brief](#)  
 [IGL002 FPGA,SmartFusion2 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

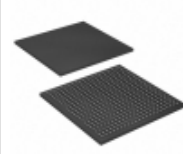
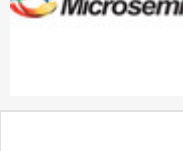
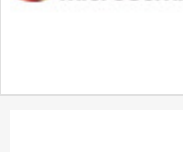
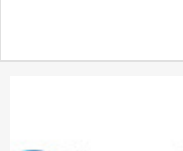
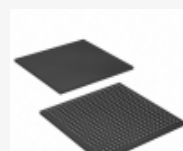
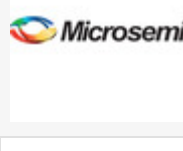
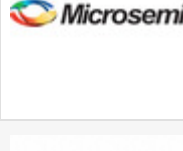
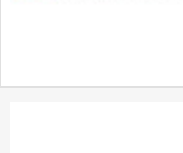
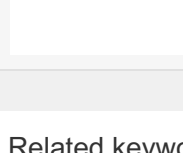
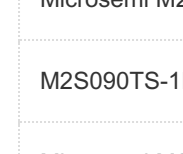
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                                      | M2S090TS-1FCSG325I                                                                                               | Manufacturer                     | <a href="#">Microsemi</a>                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | IC FPGA SOC 90K LUTS                                                                                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                               | 604 pcs                                                                                                          | Data sheet                       | <a href="#">SmartFusion2 Product Brief</a><br><a href="#">IGL002 FPGA,SmartFusion2 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Integrated Circuits (ICs)</a>                                                                        | Supplier Device Package          | <a href="#">325-BGA (11x11)</a>                                                                  |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                            | 166MHz                                                                                                           | Series                           | SmartFusion®2                                                                                    |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                         | 64KB                                                                                                             | Primary Attributes               | FPGA - 90K Logic Modules                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                      | DDR, PCIe, SERDES                                                                                                | Packaging                        | Tray                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                   | 325-TFBGA                                                                                                        | Operating Temperature            | -40°C ~ 100°C (TJ)                                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                    | 180                                                                                                              | 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®2 FPGA - 90K Logic Modules 512KB 64KB 166MHz 325-BGA (11x11) | Core Processor                   | ARM® Cortex®-M3                                                                                  |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                      | Architecture                     | MCU, FPGA                                                                                        |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 604 pieces of Microsemi M2S090TS-1FCSG325I 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="#">M2S090T-FGG484</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-FG676I</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-FG676</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA     | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-1FG484M</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-1FGG484M</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-FGG484I</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-1FGG676</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-1FGG484T2</a><br>Description: IC FPGA SOC                 | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-1FG676I</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-1FCS325</a><br>Description: IC FPGA SOC 90K LUTS          | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-FGG676I</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-1FG484I</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090TS-1FCS325I</a><br>Description: IC FPGA SOC 90K LUTS         | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-FGG484I</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M2S090TS-1FGG484</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M2S090TS-1FCSG325</a><br>Description: IC FPGA SOC 90K LUTS         | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |

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|------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|
| Related keywords for <b>M2S090TS-1FCSG325I</b> |                                                        |                                                              |                                                             |
| Microsemi M2S090TS-1FCSG325I                   | M2S090TS-1FCSG325I distributor                         | M2S090TS-1FCSG325I supplier                                  | M2S090TS-1FCSG325I price                                    |
| M2S090TS-1FCSG325I download datasheet          | M2S090TS-1FCSG325I datasheet                           | M2S090TS-1FCSG325I stock                                     | buy M2S090TS-1FCSG325I                                      |
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| Microsemi HI-REL [MIL] M2S090TS-1FCSG325I      | Microsemi Power Management Group M2S090TS-1FCSG325I    | Microsemi Power Products Group M2S090TS-1FCSG325I            | Microsemi SoC M2S090TS-1FCSG325I                            |
|                                                |                                                        |                                                              | Microsemi Commercial Components Group M2S090TS-1FCSG325I    |
| Microsemi Corporation M2S090TS-1FCSG325I       | Microsemi Solutions Sdn Bhd. M2S090TS-1FCSG325I        |                                                              |                                                             |

