

M2S090T-1FCS325



Part Number: [M2S090T-1FCS325](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA SOC 90K LUTS

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

RoHs Status: Contains lead / RoHS non-compliant

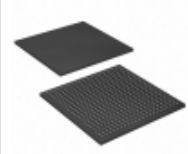
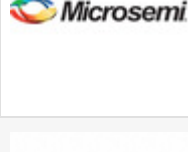
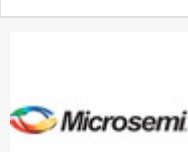
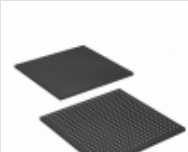
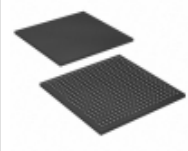
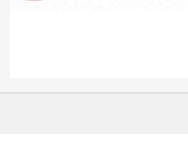
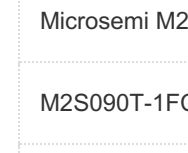
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                                   | M2S090T-1FCS325                                                                                                  | Manufacturer                     | <a href="#">Microsemi</a>                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC FPGA SOC 90K LUTS                                                                                             | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                            | 730 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="#">Datasheet</a><br>325-BGA (11x11)                                                     |
| 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            | 0°C ~ 85°C (TJ)                                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                 | 180                                                                                                              | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                | Contains lead / RoHS non-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 730 pieces of Microsemi M2S090T-1FCS325 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-1FG484</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-1FG676</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090S-1FG676I</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090S-1FGG484I</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-1FG484M</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090-FGG484</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090S-1FG484I</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-1FGG484</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-1FCSG325I</a><br>Description: IC FPGA SOC 90K LUTS        | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-1FG676I</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA  | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090-FGG484I</a><br>Description: IC FPGA SOC 90K LUTS 484FBGA   | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090S-1FGG676I</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">M2S090T-1FCS325I</a><br>Description: IC FPGA SOC 90K LUTS         | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090-FG676I</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090T-1FCSG325</a><br>Description: IC FPGA SOC 90K LUTS         | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
|  | Part#: <a href="#">M2S090-FGG676</a><br>Description: IC FPGA SOC 90K LUTS 676FBGA    | Manufacturers: <a href="#">Microsemi</a> | <div>RFQ</div> |
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| Related keywords for M2S090T-1FCS325   |                                                     |                                                           |                                                          |
|----------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|
| Microsemi M2S090T-1FCS325              | M2S090T-1FCS325 distributor                         | M2S090T-1FCS325 supplier                                  | M2S090T-1FCS325 price                                    |
| M2S090T-1FCS325 download datasheet     | M2S090T-1FCS325 datasheet                           | M2S090T-1FCS325 stock                                     | buy M2S090T-1FCS325                                      |
| Microsemi M2S090T-1FCS325              | Microsemi Analog Mixed Signal Group M2S090T-1FCS325 | Microsemi Analog Mixed Signal Group [MIL] M2S090T-1FCS325 | Microsemi Consumer Medical Product Group M2S090T-1FCS325 |
| Microsemi HI-REL [MIL] M2S090T-1FCS325 | Microsemi Power Management Group M2S090T-1FCS325    | Microsemi Power Products Group M2S090T-1FCS325            | Microsemi SoC M2S090T-1FCS325                            |
|                                        |                                                     |                                                           | Microsemi Commercial Components Group M2S090T-1FCS325    |
| Microsemi Corporation M2S090T-1FCS325  | Microsemi Solutions Sdn Bhd. M2S090T-1FCS325        |                                                           |                                                          |

