






Microsemi





M2S090S-1FG676I

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| Part Number: | M2S090S-1FG676I |
| Manufacturer/Brand: | Microsemi |
| Product description | IC FPGA SOC 90K LUTS 676FBGA |
| Datasheets: |  1.M2S090S-1FG676I.pdf |
| |  2.M2S090S-1FG676I.pdf |
| RoHs Status |  Contains lead / RoHS non-compliant |
| Stock Condition | 5192 pcs stock |
| Ship From | Hong Kong |
| Shipment Way | DHL/Fedex/TNT/UPS/EMS |

REQUEST FOR QUOTATION













Specifications of M2S090S-1FG676I

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| PART NUMBER | M2S090S-1FG676I |
| MANUFACTURER | Microsemi |
| DESCRIPTION | IC FPGA SOC 90K LUTS 676FBGA |
| LEAD FREE STATUS / ROHS STATUS | Contains lead / RoHS non-compliant |
| QUANTITY AVAILABLE | 5192 pcs |
| DATA SHEET |  1.M2S090S-1FG676I.pdf |
| |  2.M2S090S-1FG676I.pdf |
| SUPPLIER DEVICE PACKAGE | 676-FBGA (27x27) |
| SPEED | 166MHz |
| SERIES | SmartFusion®2 |
| RAM SIZE | 64KB |
| PRIMARY ATTRIBUTES | FPGA - 90K Logic Modules |
| PERIPHERALS | DDR, PCIe, SERDES |
| PACKAGING | Tray |
| PACKAGE / CASE | 676-BGA |
| OPERATING TEMPERATURE | -40°C ~ 100°C (TJ) |
| NUMBER OF I/O | 425 |
| 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 676-FBGA (27x27) |
| CORE PROCESSOR | ARM® Cortex®-M3 |
| CONNECTIVITY | CANbus, Ethernet, I²C, SPI, UART/USART, USB |
| BASE PART NUMBER | M2S090S |
| ARCHITECTURE | MCU, FPGA |

Related Tags

| | | |
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| Microsemi Consumer Medical Product Group M2S090S-1FG676I | Microsemi HI-REL [MIL] M2S090S-1FG676I | Microsemi Power Management Group M2S090S-1FG676I |
| Microsemi Power Products Group M2S090S-1FG676I | Microsemi SoC M2S090S-1FG676I | Microsemi Commercial Components Group M2S090S-1FG676I |
| Microsemi Corporation M2S090S-1FG676I | Microsemi Solutions Sdn Bhd. M2S090S-1FG676I | |

Related Products

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|  <div>M2S090-FGG484I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 484FBGA In stock: 610 pcs</div> <div>RFQ</div> |  <div>M2S090-FGG676 Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 676FBGA In stock: 658 pcs</div> <div>RFQ</div> |
|  <div>M2S090T-1FCSG325I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS In stock: 739 pcs</div> <div>RFQ</div> |  <div>M2S090-FGG676I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 676FBGA In stock: 518 pcs</div> <div>RFQ</div> |
|  <div>M2S090S-1FGG676I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 676FBGA In stock: 6001 pcs</div> <div>RFQ</div> |  <div>M2S090T-1FCSG325 Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS In stock: 765 pcs</div> <div>RFQ</div> |
|  <div>M2S090T-1FCS325 Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS In stock: 620 pcs</div> <div>RFQ</div> |  <div>M2S090-FGG484 Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 484FBGA In stock: 709 pcs</div> <div>RFQ</div> |
|  <div>M2S090S-1FG484I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 484FBGA In stock: 6475 pcs</div> <div>RFQ</div> |  <div>M2S090T-1FCS325I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS In stock: 671 pcs</div> <div>RFQ</div> |
|  <div>M2S090S-1FGG484I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 484FBGA In stock: 5562 pcs</div> <div>RFQ</div> |  <div>M2S090-FG676I Manufacturers: Microsemi Description: IC FPGA SOC 90K LUTS 676FBGA In stock: 478 pcs</div> <div>RFQ</div> |