



Microsemi



Image may be representation. See specifications for product details.

M2S060TS-1FGG676T2

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | M2S060TS-1FGG676T2                                                                                           |
| Manufacturer/Brand: | Microsemi                                                                                                    |
| Product description | IC FPGA SOC                                                                                                  |
|                     |  1.M2S060TS-1FGG676T2.pdf   |
|                     |  2.M2S060TS-1FGG676T2.pdf   |
|                     |  3.M2S060TS-1FGG676T2.pdf   |
|                     |  4.M2S060TS-1FGG676T2.pdf   |
|                     |  5.M2S060TS-1FGG676T2.pdf   |
|                     |  6.M2S060TS-1FGG676T2.pdf   |
|                     |  7.M2S060TS-1FGG676T2.pdf   |
|                     |  8.M2S060TS-1FGG676T2.pdf   |
| Datasheets:         |                                                                                                              |
|                     |  1.M2S060TS-1FGG676T2.pdf   |
|                     |  2.M2S060TS-1FGG676T2.pdf   |
|                     |  3.M2S060TS-1FGG676T2.pdf   |
|                     |  4.M2S060TS-1FGG676T2.pdf   |
|                     |  5.M2S060TS-1FGG676T2.pdf   |
|                     |  6.M2S060TS-1FGG676T2.pdf   |
|                     |  7.M2S060TS-1FGG676T2.pdf   |
|                     |  8.M2S060TS-1FGG676T2.pdf   |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 563 pcs stock                                                                                                |
|                     | Hong Kong                                                                                                    |
| Shipment way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of M2S060TS-1FGG676T2

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | M2S060TS-1FGG676T2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MANUFACTURER                     | Microsemi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | IC FPGA SOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 563 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DATA SHEET                       |  1.M2S060TS-1FGG676T2.pdf<br> 2.M2S060TS-1FGG676T2.pdf<br> 3.M2S060TS-1FGG676T2.pdf<br> 4.M2S060TS-1FGG676T2.pdf<br> 5.M2S060TS-1FGG676T2.pdf<br> 6.M2S060TS-1FGG676T2.pdf<br> 7.M2S060TS-1FGG676T2.pdf<br> 8.M2S060TS-1FGG676T2.pdf |
| SUPPLIER DEVICE PACKAGE          | 676-FBGA (27x27)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SPEED                            | 166MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SERIES                           | Automotive, AEC-Q100, SmartFusion@2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RAM SIZE                         | 64KB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PRIMARY ATTRIBUTES               | FPGA - 60K Logic Modules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PERIPHERALS                      | DDR, PCIe, SERDES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 676-BGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TJ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NUMBER OF I/O                    | 387                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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 Automotive, AEC-Q100, SmartFusion@2 FPGA - 60K Logic Modules 256KB 64KB 166MHz 676-FBGA (27x27)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, UART/USART, USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Related Tags

|                                                             |                                                        |                                                              |
|-------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|
| Microsemi M2S060TS-1FGG676T2                                | M2S060TS-1FGG676T2 Distributor                         | M2S060TS-1FGG676T2 Supplier                                  |
| M2S060TS-1FGG676T2 Price                                    | M2S060TS-1FGG676T2 Pictures                            | M2S060TS-1FGG676T2 Image                                     |
| M2S060TS-1FGG676T2 PDF Datasheet                            | M2S060TS-1FGG676T2 Download Datasheet                  | M2S060TS-1FGG676T2 Datasheet                                 |
| M2S060TS-1FGG676T2 Stock                                    | Buy M2S060TS-1FGG676T2                                 | Buy Microsemi M2S060TS-1FGG676T2                             |
| Microsemi M2S060TS-1FGG676T2                                | Microsemi Supplier                                     | Microsemi Distributor                                        |
| Microsemi M2S060TS-1FGG676T2                                | Microsemi Analog Mixed Signal Group M2S060TS-1FGG676T2 | Microsemi Analog Mixed Signal Group [MIL] M2S060TS-1FGG676T2 |
| Microsemi Consumer Medical Product Group M2S060TS-1FGG676T2 | Microsemi HI-REL [MIL] M2S060TS-1FGG676T2              | Microsemi Power Management Group M2S060TS-1FGG676T2          |
| Microsemi Power Products Group M2S060TS-1FGG676T2           | Microsemi SoC M2S060TS-1FGG676T2                       | Microsemi Commercial Components Group M2S060TS-1FGG676T2     |
| Microsemi Corporation M2S060TS-1FGG676T2                    | Microsemi Solutions Sdn Bhd. M2S060TS-1FGG676T2        |                                                              |

Related Products

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|  <div><b>M2S060TS-1FGG484T2</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC<br/>In stock: 583 pcs</div> <div>RFQ</div>         |  <div><b>M2S060TS-FCS325</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 1128 pcs</div> <div>RFQ</div>  |
|  <div><b>M2S060TS-1FGG676I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 650 pcs</div> <div>RFQ</div> |  <div><b>M2S060TS-1VFG400I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 735 pcs</div> <div>RFQ</div> |
|  <div><b>M2S060TS-1VF400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 720 pcs</div> <div>RFQ</div>   |  <div><b>M2S060TS-1FGG484I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 778 pcs</div> <div>RFQ</div> |
|  <div><b>M2S060TS-1FGG484M</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC<br/>In stock: 381 pcs</div> <div>RFQ</div>          |  <div><b>M2S060TS-1FGG484</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 819 pcs</div> <div>RFQ</div>  |
|  <div><b>M2S060TS-1FGG676</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 628 pcs</div> <div>RFQ</div>  |  <div><b>M2S060TS-1VF400I</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 720 pcs</div> <div>RFQ</div>  |
|  <div><b>M2S060TS-1VFG400T2</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC<br/>In stock: 672 pcs</div> <div>RFQ</div>         |  <div><b>M2S060TS-1VFG400</b><br/>Manufacturers: Microsemi<br/>Description: IC FPGA SOC 60K LUTS<br/>In stock: 803 pcs</div> <div>RFQ</div>  |

