

M2GL010-TQG144I



Part Number: [M2GL010-TQG144I](#)

Manufacturer: [Microsemi](#)

Description: IC FPGA 84 I/O 144TQFP

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

RoHs Status: Lead free / RoHS Compliant

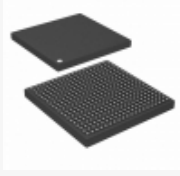
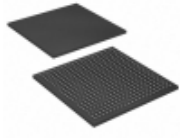
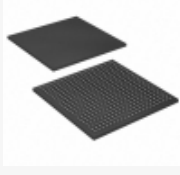
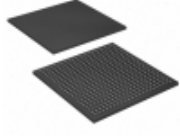
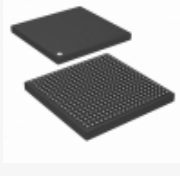
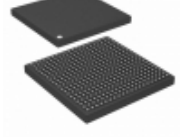
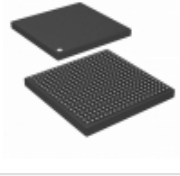
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                 |                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                    | M2GL010-TQG144I                           | Manufacturer                    | <a href="#">Microsemi</a>                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC FPGA 84 I/O 144TQFP                    | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                             | 3130 pcs                                  | Data sheet                      | <a href="#">IGL002 FPGAs Product Brief</a><br><a href="#">IGL002 FPGA,SmartFusion2 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                | 1.14 V ~ 2.625 V                                                                                 |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                 | 933888                                    | Supplier Device Package         | 144-TQFP (20x20)                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                         | IGLOO2                                    | Package / Case                  | 144-LQFP                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 100°C (TJ)                        | Number of Logic Elements/Cells  | 12084                                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                  | 84                                        | Mounting Type                   | Surface Mount                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                               | 3 (168 Hours)                             | Manufacturer Standard Lead Time | 3 Weeks                                                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                |                                 |                                                                                                  |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Microsemi series electronic components. We have 3130 pieces of Microsemi M2GL010-TQG144I 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="#">M2GL010-TQ144</a><br>Description: IC FPGA 84 I/O 144TQFP      | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-FG484I</a><br>Description: IC FPGA 233 I/O 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-1VFG256I</a><br>Description: IC FPGA 138 I/O 256VFBGA | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-1VFG400</a><br>Description: IC FPGA 195 I/O 400VFBGA  | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-FGG484</a><br>Description: IC FPGA 233 I/O 484FBGA    | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010S-1FGG484I</a><br>Description: IC FPGA 233 I/O 484FBGA | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010S-1FG484I</a><br>Description: IC FPGA 233 I/O 484FBGA  | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-VF400</a><br>Description: IC FPGA 195 I/O 400VFBGA    | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-VFG400I</a><br>Description: IC FPGA 195 I/O 400VFBGA  | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-VFG256</a><br>Description: IC FPGA 138 I/O 256VFBGA   | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-FG484</a><br>Description: IC FPGA 233 I/O 484FBGA     | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-VF256</a><br>Description: IC FPGA 138 I/O 256VFBGA    | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-VF400I</a><br>Description: IC FPGA 195 I/O 400VFBGA   | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-VFG256I</a><br>Description: IC FPGA 138 I/O 256VFBGA  | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-1VFG400I</a><br>Description: IC FPGA 195 I/O 400VFBGA | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-FGG484I</a><br>Description: IC FPGA 233 I/O 484FBGA   | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-VFG400</a><br>Description: IC FPGA 195 I/O 400VFBGA   | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-VF256I</a><br>Description: IC FPGA 138 I/O 256VFBGA   | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-TQG144</a><br>Description: IC FPGA 84 I/O 144TQFP     | Manufacturers: <a href="#">Microsemi</a> | RFQ |
|  | Part#: <a href="#">M2GL010-TQ144I</a><br>Description: IC FPGA 84 I/O 144TQFP     | Manufacturers: <a href="#">Microsemi</a> | RFQ |

Related keywords for M2GL010-TQG144I

|                                        |                                                     |                                                           |                                                          |
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| Microsemi M2GL010-TQG144I              | M2GL010-TQG144I distributor                         | M2GL010-TQG144I supplier                                  | M2GL010-TQG144I price                                    |
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| Microsemi HI-REL [MIL] M2GL010-TQG144I | Microsemi Power Management Group M2GL010-TQG144I    | Microsemi Power Products Group M2GL010-TQG144I            | Microsemi SoC M2GL010-TQG144I                            |
|                                        |                                                     |                                                           | Microsemi Commercial Components Group M2GL010-TQG144I    |
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