FPGA SmartFusion2 Family 12084 Cells 65nm Technology 1.2V 400-Pin VFBGA Tray

| | |
|---|---|
| Manufacturers | Microchip Technology, Inc |
| Package/Case | 400-LFBGA |
| Product Type | Programmable Logic ICs |
| RoHS | |
| Lifecycle | |
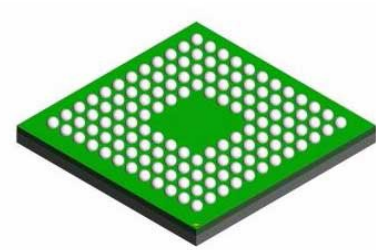
Images are for reference only

Please submit RFQ for M2S010-VFG400 or Email to us: sales@ovaga.com We will contact you in 12 hours.          RFQ

## General Description

Whether you're designing at the board or system level, Microsemi's SoC FPGAs and low power FPGAs are your best choice.The unique, flash-based technology of Microsemi FPGAs, coupled with their history of reliability, sets them apart from traditional FPGAs.Design for today's rapidly growing markets of consumer and portable medical devices, or tomorrow's environmentally friendly datacenters, industrial controls and military and commercial aircraft. Only Microsemi can meet the power, size, cost and reliability targetsthat reduce time-to-market and enable long-term profitability.

## Features

The FPGA with high level of integration at the lowest total system cost

The IGLOO2 FPGA family provides a 4-input look-up table (LUT) based fabric, 5G transceivers, high-speed general purpose I/O (GPIO), block RAM anddigital signal processing (DSP) blocks in a differentiated, cost- and power-optimized architecture. This next-generation IGLOO2 FPGA architecture offers up to5x more logic density and 3x more fabric performance than its predecessors and combines a non-volatile flash-based fabric with the highest number of GPIO,5G serialization/deserialization (SERDES) interfaces and PCI Express® (PCIe®) endpoints when compared to other products in its class.
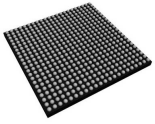
## Related Products
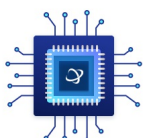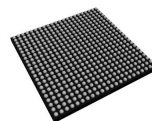
| | |
|---|---|
| **SM208CQSX-ACTEL** | **M2S050-1FG484I** |
| Microchip Technology, Inc | Microchip Technology, Inc |
| N/A | 484-BGA |

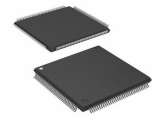**M2S050-FGG484**

Microchip Technology, Inc

484-BGA
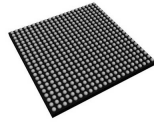
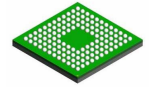**M2S010-FGG484I**

Microchip Technology, Inc

BGA-484
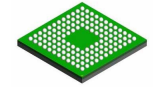
**M2S010-VFG256I**

Microchip Technology, Inc

256-LFBGA

**M2S010-TQG144I**

Microchip Technology, Inc

144-LQFP

**M2S005-VFG400I**

Microchip Technology, Inc

400-LFBGA

**M2S005-VF400I**

Microchip Technology, Inc

400-LFBGA