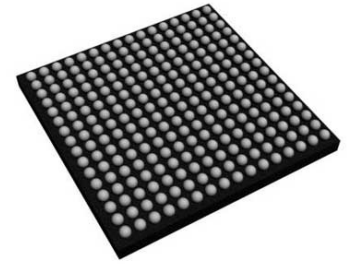


## FPGA IGLOO®2 Family 6060 Cells 1.2V Automotive 256-Pin FBGA Tray



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** LFBGA-256

**Product Type:** Programmable Logic ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

These flash FPGA devices are ideal for general purpose functions such as bridging functions, input/output (I/O) expansion and conversion, system management, secure connectivity etc. Microchip FPGAs are used by customers in Communications, Industrial, Medical, Defense, and Aviation markets.

With Clear Advantages

- Lowest Power
  - Reduce total power by ~20-40%
- Proven Security
  - Protection from Overbuilding and Cloning
- Exceptional Reliability
  - SEU immune Zero FIT Flash FPGA Configuration
  - Reliability safety critical and mission critical systems

### Key Features

6K logic elements

11 Math blocks (18x18)

2 PLLs and CCCs

703K bits RAM

DDR Controller - LPDDR/DDR2/3

Offers design security

Temperature - Commercial, Industrial, Automotive (T1)

### Recommended For You

**M2GL090T-1FG484M**

Microchip Technology, Inc  
PBGA484

**M2GL005-VFG256I**

Microchip Technology, Inc  
LFBGA256

**M2GL010-TQG144I**

Microchip Technology, Inc  
TQFP-144

**M2GL010T-VFG256I**

Microchip Technology, Inc  
256-LFBGA

**M2GL090TS-1FG484I**

Microchip Technology, Inc  
PBGA-484

**M2GL090TS-1FG484M**

Microchip Technology, Inc  
PBGA484

**M2GL025-FGG484**

Microchip Technology, Inc  
BGA

**M2GL005-TQG144I**

Microchip Technology, Inc  
TQFP144

**M2GL005-TQG144**

Microchip Technology, Inc  
BGA

**M2GL005-VF256I**

Microchip Technology, Inc  
LFBGA-256

**M2GL005-VFG256**

Microchip Technology, Inc  
256-LFBGA

**M2GL025-VFG400**

Microchip Technology, Inc  
400-LFBGA

**M2GL025-FGG484I**

Microchip Technology, Inc  
484-BGA

**M2GL025-VFG400I**

Microchip Technology, Inc  
400-LFBGA

**M2GL090-FGG484I**

Microchip Technology, Inc  
484-FBGA23x23