


FPGA ProASIC®3 nano Family 250K Gates 130nm Technology 1.5V 100-Pin VQFP Tray

Manufacturer:	Microchip Technology, Inc
Package/Case:	QFP
Product Type:	Programmable Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

ProASIC3, the third-generation family of Microsemi flash FPGAs, offers performance, density, and features beyond those of the ProASICPLUS® family. Nonvolatile flash technology gives ProASIC3 nano devices the advantage of being a secure, low power, single-chip solution that is Instant On. ProASIC3 nano devices are reprogrammable and offer time-to-market benefits at an ASIC-level unit cost. These features enable designers to create high-density systems using existing ASIC or FPGA design flows and tools.

ProASIC3 nano devices offer 1 kbit of on-chip, reprogrammable, nonvolatile FlashROM storage as well as clock conditioning circuitry based on an integrated phase-locked loop (PLL). A3PN030 and smaller devices do not have PLL or RAM support. ProASIC3 nano devices have up to 250,000 system gates, supported with up to 36 kbits of true dual-port SRAM and up to 71 user I/Os.

ProASIC3 nano devices increase the breadth of the ProASIC3 product line by adding new features and packages for greater customer value in high volume consumer, portable, and battery-backed markets. Added features include smaller footprint packages designed with two-layer PCBs in mind, low power, hot-swap capability, and Schmitt trigger for greater flexibility in low-cost and power-sensitive applications

Key Features

- Wide Range of Features
- Reprogrammable Flash Technology
- High Performance
- Low Power
- High-Performance Routing Hierarchy

Recommended For You

A3P250-PQ208

Microchip Technology, Inc

QFP

A3P250-FGG256I

Microchip Technology, Inc

BGA256

A3P1000-1PQG208M

Microchip Technology, Inc

QFP

A3P1000-PQG208

Microchip Technology, Inc
QFP

A3P1000-FGG256I

Microchip Technology, Inc
FBGA256

A3P1000-FG256I

Microchip Technology, Inc
256-LBGA

A3P1000-FGG484I

Microchip Technology, Inc
FBGA484

A3P250-VQG100

Microchip Technology, Inc
QFP

A3P250-VQG100I

Microchip Technology, Inc
VQFP

A3P250-FGG144I

Microchip Technology, Inc
BGA

APA300-BG456M

Microchip Technology, Inc
BGA

A3P1000-FG144

Microchip Technology, Inc
BGA

A3P1000-1FG484I

Microchip Technology, Inc
484-BGA

A3P1000-1FGG144I

Microchip Technology, Inc
BGA

A3PN060-VQG100

Microchip Technology, Inc
QFP100