

Digital Signal Controller, dsPIC33F Series, 40 MHz, 64 KB, 85 I/O's, ECAN, I2C, SPI, UART, 2.75 V

Manufacturers	Microchip Technology, Inc
Package/Case	TQFP-100
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DSPIC33FJ64GS610-I/PT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

These devices offer features supporting common, multi-loop digital switch-mode power supplies (SMPS) and other digital power-conversion applications such as: AC to DC Converters, DC to DC Converters, Power Factor Correction (PFC), Uninterruptible power supply (UPS), Inverters, Embedded Power-Supply Controllers, Circuit Breakers, Arc Fault Detection

Features

Operating Conditions

Core: 16-Bit dsPIC33F

Clock Management

Power Management

High-Speed PWM

Advanced Analog Features

Up to 24 input channels grouped into 12 conversion pairs plus two voltage reference monitoring inputs

10-bit Digital-to-Analog Converter (DAC) for each comparator

Timers/Output Compare/Input Capture

Communication Interfaces

Direct Memory Access (DMA)

Input/Output

Related Products



[DSPIC30F6014A-20E/PE](#)

Microchip Technology, Inc
TQFP-80



[DSPIC30F5011-30I/PT](#)

Microchip Technology, Inc
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TQFP-44