

PIC/DSPIC Microcontroller, General Purpose, PIC24 Family PIC24FJ DA Series
Microcontrollers, PIC24

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



Images are for reference only

Please submit RFQ for PIC24FJ256DA210-I/PT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The PIC24F-DA family features integrated graphics acceleration and a display controller to directly drive displays up to 4.3" WQVGA with 480 × 272 resolution. Ideal for Graphical interface applications that can benefit from the integrated Graphics, 96K byte RAM for frame buffer, mTouch, USB and other peripherals. Graphics Application Design Center

Features

Graphics Controller Features

3x Graphics Hardware Acceleration Units

Color Look-up Table (CLUT) with Maximum of 256 Entries

Direct Interface to Monochrome, C-STN, TFT, OLED

Resolution up to 640x480 @30Hz, 16 bpp, or 480x272 @60Hz, 16 bpp

Large integrated 96KB SRAM

Universal Serial Bus Features

USB v2.0 On-the-Go (OTG) compliant

Dual role capable - can act as either Host or Device

Low speed(1.5Mb/s) and full speed(12 Mb/s) operation in host mode

Full speed USB operaton in Device mode

Analog Features

Up to 24x, Capacitive touch sensing

Up to 24x, 10-Bit, ADC at 500 ksps

3x Analog Comparators with Programmable Input/Output Configuration

Power Management

On-Chip Voltage Regulator of 1.8V

Switch between Clock Sources in Real Time

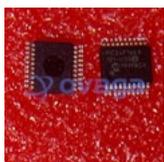
Idle, Sleep and Doze modes with Fast Wake-up and Two-Speed Start-up

Run Mode: 800 uA/MIPS, 3.3V Typical

Sleep mode Current Down to 20 uA, 3.3V Typical

Standby Current with 32 kHz Oscillator: 22 uA, 3.3V Typical

Related Products



[PIC24F16KA101-I/SS](#)

Microchip Technology, Inc
SSOP-20



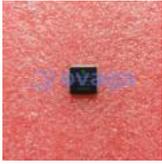
[PIC16F1936-I/SS](#)

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SSOP-28



[PIC16F1938-I/SP](#)

Microchip Technology, Inc
PDIP-28



[PIC18F6520-I/PT](#)

Microchip Technology, Inc
TQFP-64



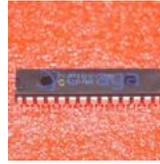
[PIC18F2620-I/SO](#)

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SOIC-28



[PIC18F23K22-I/SP](#)

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[PIC18F2620-I/SP](#)

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SPDIP-28



[PIC18F97J60T-I/PT](#)

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TQFP-100