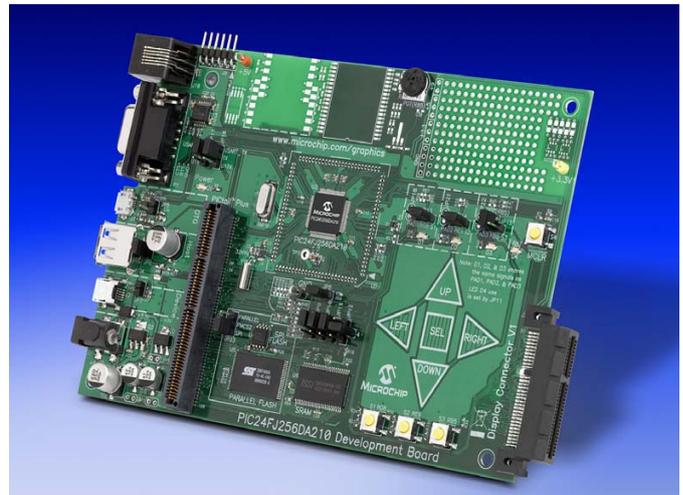**MICROCHIP**

Microchip - DM240312 - PIC24FJ256DA210 Development Board

Product Overview:

The PIC24FJ256DA210 Development Board is an efficient, low-cost development platform to evaluate the features and performance of Microchip's PIC24FJ256DA210 microcontroller. The 16-bit microcontroller integrates a high-performance graphics controller, CTMU and USB OTG modules essential for integrated human interface applications. Supporting this is a range of user-defined interfaces, USB options and memory expansions for the maximum flexibility in developing graphics-capable solutions. A range of Microchip development tools and software environments, along with a range of application libraries, simplifies the process of software development.

Kit Contents:

This kit combines the

- PIC24FJ256DA210 Development Board
- 9V power supply

Key Features:

- PIC24FJ256DA210 16-bit microcontroller
- Capacitive touch pads and switches
- Microchip display connector V1
- USB connectors (embedded host/device/OTG)
- PICtail™ Plus Modular expansion slot
- RS-232 serial port and associated hardware
- Debug connectors supporting MPLAB ICD-3, MPLAB REAL ICE and MPLAB PICkit-3

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Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
DM240312	Microchip	1823147	NA

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
PIC24FJ256DA210-I/BG	Microchip	MCU,16 bit , 256KB Flash, 96K RAM, 121 XBGA	NA	73R8658
PIC24FJ256DA210-I/PT	Microchip	MCU, 16BIT, 256K FLASH, 100TQFP	1823150	73R8659
NC7WZU04P6X	Fairchild	Inverter Logic IC	NA	58K1996
IS61LV25616AL-10BLI	ISSI	SRAM	NA	43M5211
SST25VF016B-50-4I-QAF	Silicon Storage Technology	16M FLASH MEMORY	NA	54M1122
MCP1253-33X50I/MS	Microchip	DC/DC Charge Pump Converter IC	1332067	03H5060
AC164127-4	Microchip	Graphics Display Truly 3.2 240x320 Board	1794996	08R1078
AC164127-6	Microchip	Graphics Display Power tip 4.3 480x272 Board	1771324	52R9657
DV164035	Microchip	MPLAB ICD 3 In-Circuit Debugger Kit	1664878	19P0223

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
DV164037	Microchip	Explorer 16 Development Board	PIC24F/H and dsPIC33	1771308	25R7377

Document List:

Datasheets:

Part Number	Description	Size
PIC24FJ256DA210	16-Bit Flash Microcontrollers	3.11MB
NC7WZU04P6X	Dual Unsulfured Inverter	361KB
IS61LV25616AL-10BLI	CMOS STATIC RAM	157KB
SST25VF016B-50-4I-QAF	16 Mbit SPI Serial Flash	688KB
MCP1253-33X50I/MS	Positive-Regulated Charge Pump	439KB
AC164127-4	3.2" Graphics Display	174KB
AC164127-6	4.3" Graphics Display	86.2KB

Application Notes:

File Name	Size
How to Use Widgets in Microchip Graphics Library	437KB
Generic Client Driver for a USB Embedded Host	262KB
USB Human Interface Device Class on an Embedded Host	532KB
Using a USB Flash Drive with an Embedded Host	248KB
Implementing a Mass Storage Device Using the Microchip USB Device Firmware Framework	167KB
Using USB Keyboard with an Embedded Host	485KB
Communication Device Class (CDC) Host	351KB
Microchip CTMU for Capacitive Touch Applications	834KB

Hardware & Software:

File Name	Size
Schematic	4.22MB