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# Microchip Launches PIC32 Board for GUI Development Without an External Graphics Controller

*Low-Cost, Controllerless Graphics Board Enables Developers to Directly Drive 65K (16-bit-per-pixel)-Color Graphical User Interfaces*

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today announced the [Low-Cost Controllerless \(LCC\) Graphics PICtail™ Plus Daughter Board](#) (part # [AC164144](#)), which enables the development of [graphics](#) applications without an external graphics controller.

Many user interfaces are migrating toward intuitive, easy-to-use graphics-driven systems with touch-screen capability. However, the addition of an external graphics controller can be cost prohibitive for applications in highly competitive markets, such as consumer appliances. The 32-bit PIC32 microcontroller (MCU)-powered LCC Graphics PICtail Plus Daughter Board enables developers to directly drive 256 (8-bit-per-pixel)-color graphical user interfaces utilizing the PIC32 MCU's on-chip memory, Direct Memory Access controller, and Parallel Master Port. This eliminates the need for an external graphics controller and lowers the Bill of Materials cost.

Additionally, the board enables developers to "jumper" in the onboard 256 KB of SRAM to support 65K (16-bit-per-pixel)-color WQVGA interfaces.

"With the LCC Graphics PICtail Plus Daughter Board, designers can leverage the power of PIC32 MCUs to do more with less, eliminating the added cost of an external graphics controller for lower-end applications," said Sumit Mitra, vice president of Microchip's High-Performance Microcontroller Division.

This new daughter board can be used with an [Explorer 16 Development Board](#) or [PIC32 Starter Kit](#), such as the [PIC32 USB Starter Kit 2](#), and can be hooked up to any of the LCD panels available from Microchip, including the [Truly 3.2" QVGA](#) and [Powertip 4.3" WQVGA](#) display panels. It is supported by Microchip's [free Graphics Library](#) and makes it easy to incorporate graphical user interfaces onto designs in the [industrial](#) (e.g. control panels), [home appliance](#) (e.g. coffee machines, washing machines and dryers), [consumer](#) (e.g. thermostats, security-alarm panels, educational toys) and [automotive](#) markets (e.g. driver information displays), among others.

## Pricing & Availability

The [LCC Graphics PICtail Plus Daughter Board](#) (part # [AC164144](#)) is available today, for \$89.99. The board can be purchased at [microchipDIRECT](#) (<http://www.microchip.com/get/V7EC>). For further information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at

<http://www.microchip.com/get/VE97>. To purchase products mentioned in this press release, go to [microchipDIRECT](#) or contact one of Microchip's authorized distribution partners.

### **About Microchip Technology**

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Ariz., Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the [Microchip Web site](#) (<http://www.microchip.com/get/6CWH>).

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