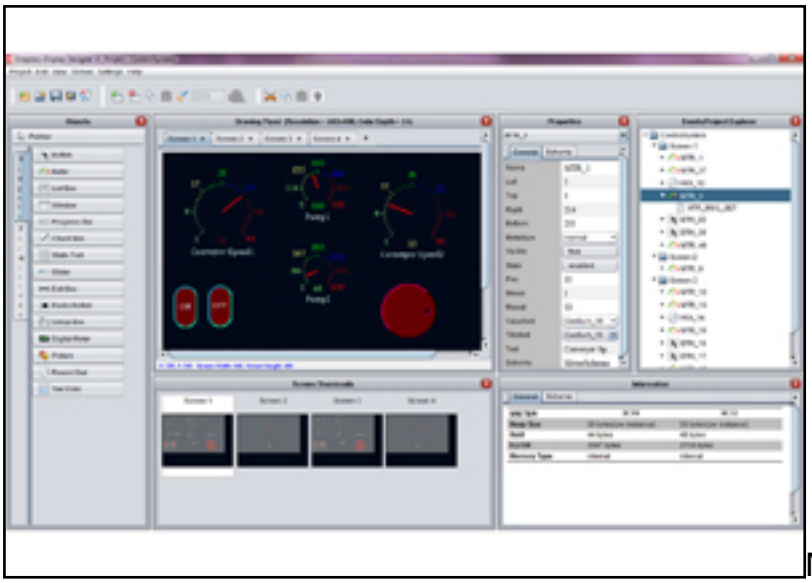
Visual design tool supports PIC MCU-based GUI creation on Windows, Linux or Mac computers



Microchip Technology Inc. announced the release of Graphics Display Designer X (GDD X), an enhanced visual design tool that provides a quick and easy way of creating Graphical User Interface (GUI) screens for applications using Microchip's 16-or 32-bit PIC MCUs. With GDD X, developers may work in the environment of their choice, including Windows, Linux or Mac OS operating systems. GDD X enables the development of GUIs in a "What You See Is What You Get" (WYSIWYG) environment, and automatically the C code needed for the user interface. Using the tool, an effective GUI can be created to improve the customer experience for applications in the automotive, (e.g., numeric, gauge or infotainment displays), industrial (e.g., operator touch-screen interfaces), home-appliance (e.g., coffeemakers, refrigerators, cook tops, microwave ovens); consumer-electronics (e.g., home automation, alarms and learning toys) and medical markets (e.g., bedside monitoring or medical lab analysis equipment).
GDD X enables development using Microchip's Graphics Library, and can be used as a stand-alone tool or as a plug-in to Microchip's free MPLAB X Integrated Development Environment (IDE). It allows the creation of a project with configurable display resolution, and imports all the required driver/board support files into MPLAB X. Generated code can be compiled and tested on hardware.
Improvements to the original GDD include: thumbnail view of screens and snap-to-grid feature, cut/copy/paste, auto object align, and event handling, as well as palette support for 1-, 4-, and 8-bits-per-pixel (bpp) color modes.

Microchip Technology Inc., www.microchip.com [1]

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[1] http://www.microchip.com