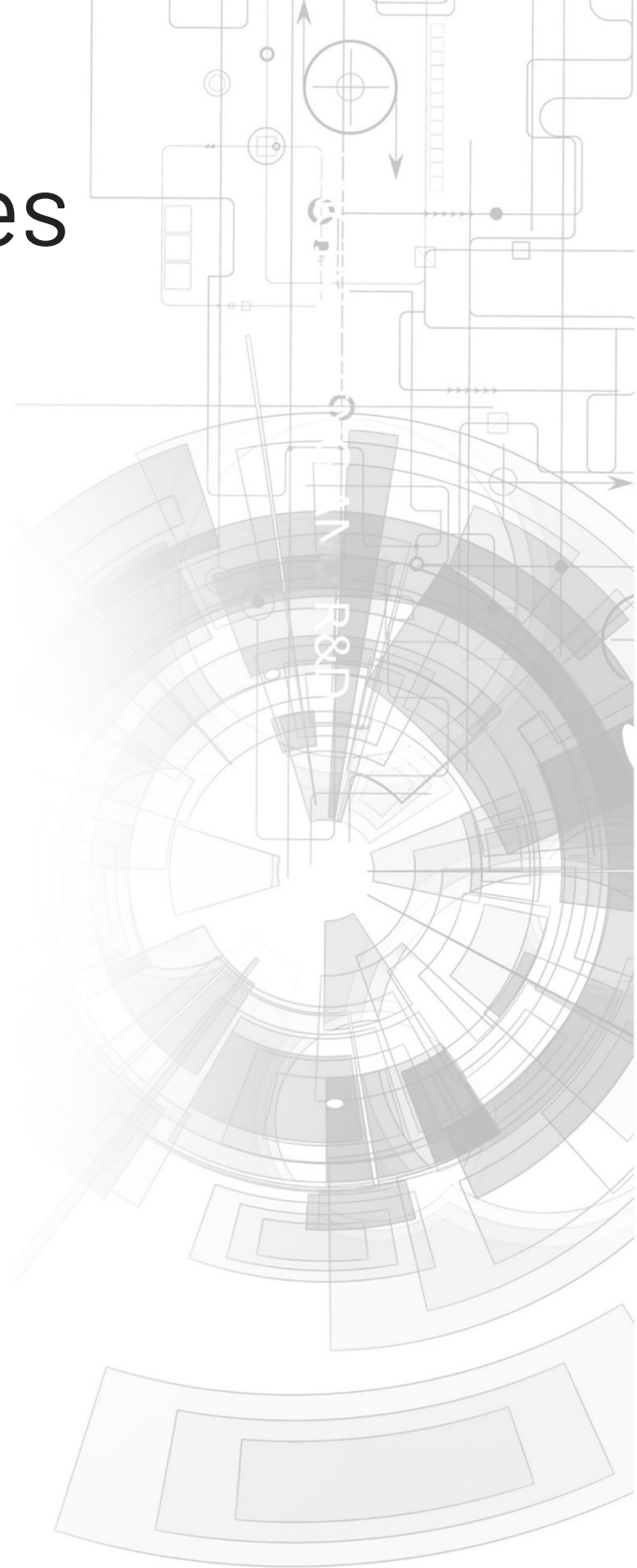


uLCD-104D Series

uLCD-104D (Non-Touch)
uLCD-104DCT (Capacitive Touch)



Datasheet

Revision 1.1

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1. Description

This 10.4" DIABLO-16 Integrated Display Module is part of the microLCD range of modules Designed and Manufactured by 4D Systems.

The 10.4" model is highly unique in its formfactor and was designed specifically to cater for the demand of physically large displays, for ease of integration and use, and with careful consideration for space requirements and functionality.

This specific module features a 10.4" colour TFT IPS LCD display with optional Capacitive Touch. It is powered by the feature-rich 4D Systems DIABLO-16 Graphics Processor, which offers an array of functionality and options for any Designer / Integrator / User.

The DIABLO-16 processor features include 16 customisable GPIO, capable of PWM, Serial, I2C, SPI, Pulse Out, Quadrature Input, and Analog Input.

The 10.4" DIABLO-16 Integrated Display Module features a TFT LCD Display, is capable of Touch Detection, microSD memory Storage and/or Flash memory Storage, GPIO and Communications, along with multiple millisecond resolution timers, and Audio Generation.

This 10.4" module is 100% compatible with the Workshop4 IDE and its 4 different development environments, providing the User with a wealth of options for programming and controlling their system.

This module features 3x 10-pin male headers, designed for easy connections to standard 2.54mm pitch female plugs or jumpers, for easy and simple connection to an application or mother board, or for connecting to accessory boards for a range of functionality advancements.

The uLCD-104DCT integrates PCB mounting ears designed for M3 machine screws, each of which has a slot for positioning, and is designed for mounting directly into a display housing or product.