



Website: www.displaytech-us.com

Embedded Demonstration Board Product Specification

EMB028TFTDEMO

2.8" Color TFT Display Demonstration Board

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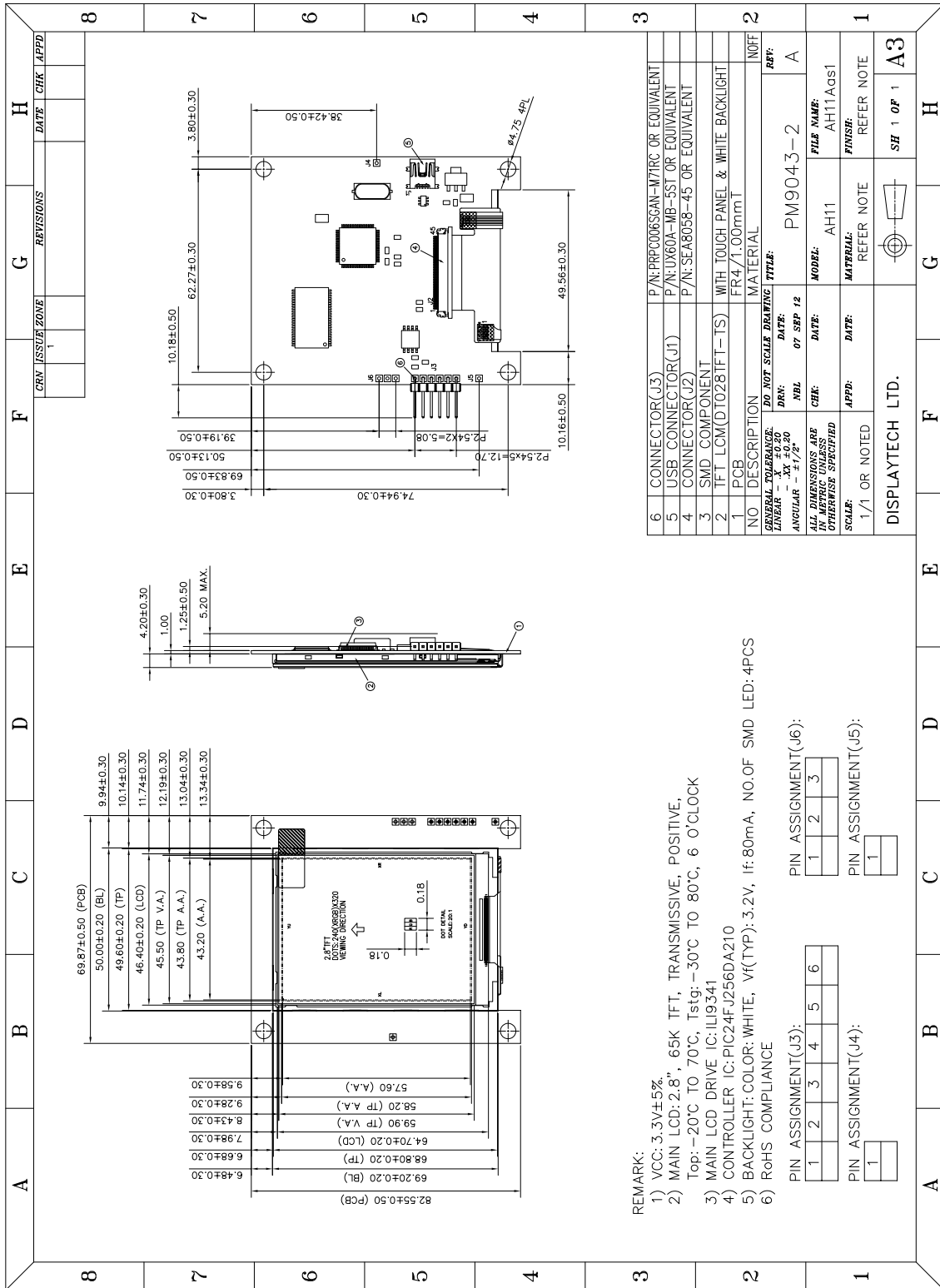
1. Introduction

The Displaytech EMB028TFTDEMO is a demonstration and development board for the Displaytech DT028ATFT 2.8" color TFT display. The display is controlled by a Microchip PIC24FJ256DA210 microcontroller with integrated graphics controller. Furthermore, the demonstration board includes on-board external SRAM for extra frame-buffer memory as well as SPI flash for storing fonts and images.

2. General Specifications

Item	Specification	Unit
LCD Resolution (Horizontal)	240	Line
LCD Resolution (Vertical)	320	Line
PCB Size (Horizontal)	2.75	Inch
PCB Size (Vertical)	3.25	Inch
Interface	USB and PICKit	---
TFT Driver IC	Ilitek ILI9341	---
Microcontroller/Graphics Controller	PIC24FJ256DA210	---
SRAM Size	512	KB
External SPI Flash Size	2	MB
Power Supply	5 (from USB)	V

3. Mechanical Drawing



4. Schematic

