4D SYSTEMS
TURNING TECHNOLOGY INTO ART

DATASHEET

7.0" Display Bezel

4DBEZEL-70-(B/W)

For the uLCD-70DT Display Module

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Contents

7.0" Bezel for the uLCD-70DT

1. Description

The 4D Systems 7.0" Display Bezel is a plastic bezel for the uLCD-70DT display module.

This bezel provides a sleek cover to the uLCD-70DT display module, and also providing an easy method to panel mount the display module into an enclosure. The bezel mounts the display module, while also providing a mounting solution into a panel, keeping all securely together.

Spring clips attach to the bezel in four locations, and hold it tightly to the enclosure/wall panel, offering a range of panel thickness from 1mm to 2.5mm without the need to add washers. If a panel thicker than 2.5mm is required, washers can be placed under the spring clip, however this is not recommended practice.

Please Note, this bezel is only designed for indoor use. It is not weather tight, nor does it offer any IP rating. It should only be used indoors in clean environments as it offers little protection to the circuitry of moisture or particles.

Bezels are available in Black or White.

Bare 7.0" Bezel - Front

Bare 7.0" Bezel - Back

2. Features

- Plastic 7.0" Bezel designed for panel mounting the uLCD-70DT
- Simple cut-out required, no mounting holes requires to be drilled in the panel
- Brass mounting inserts in the rear of the bezel
- 6x Type 1 and 4x Type 2 Spring Clips for attaching the bezel to the panel
- 12x M2 x 5mm mounting screws and washers included

uLCD-70DT Mounted in 7.0" Bezel - Back

uLCD-70DT Mounted in 7.0" Bezel - Front
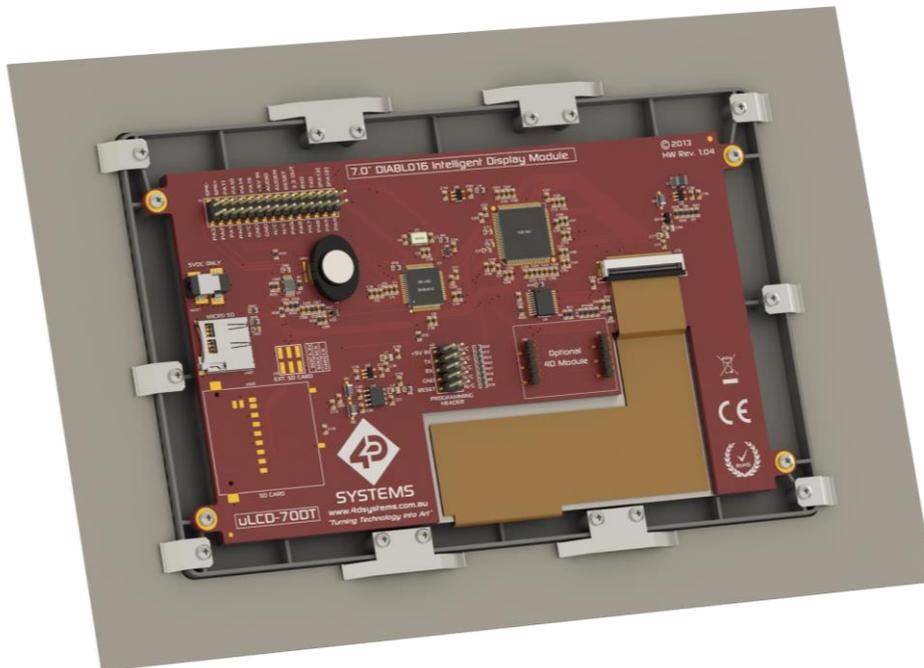
Type 1 Spring Clips

Type 2 Spring Clips

3. Assembly of the uLCD-70DT onto the Bezel and on to the Panel

1) Place the uLCD-70DT face down into the bezel, taking care of the orientation of the display so the mounting tabs of the display line up with the brass inserts in the bezel.

2) Insert 4 of the screws with 4 of the washers into the mounting tabs to secure the display on the bezel. Nip the screws up but take care not to over tighten or damage may be done to the bezel.

3) Place the assembled bezel into the Panel/Enclosure, taking note of the orientation of the display.

4) Place a washer on one of the remaining screws, followed by a Type 1 spring clip, and attach to one of the brass inserted holes on left or right sides of the bezel, allowing the spring clip to work against the panel, holding the bezel firmly in place. Recommended location is in the centre.

5) Repeat step 4 for another Type 1 screw on the other side.

6) Attach 2 screws and washers on to each Type 2 spring clip and fasten them to the top or bottom of the bezel, holding the bezel firmly in place.

7) Repeat for the remaining screws, washes and Type 2 spring clips.

8) The bezel should now be securely fitted to the panel, and the uLCD-70DT should be securely fitted to the bezel.
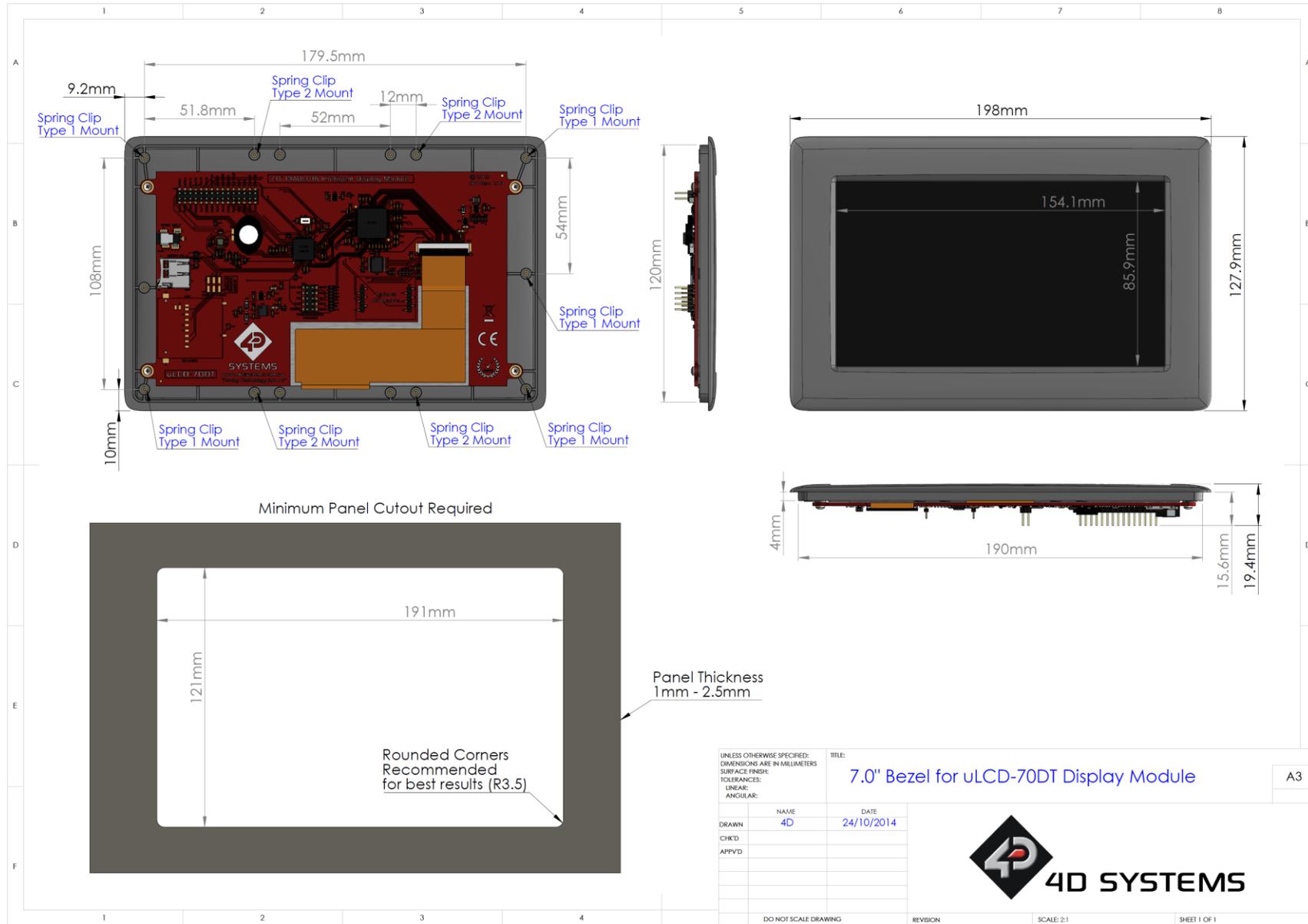
NOTE: Depending on the configuration of your enclosure/panel this is being mounted into, will determine the best configuration for screws and clips to hold the bezel securely. There are enough screws and washers to suit 4 large clips (Type 2) and 2 small clips (Type 1) by default. Alternately 4 Type 1 clips can be used with 2 Type 2 clips. The choice is yours. If additional screws are required, they are standard M2 x 5mm screws.

uLCD-70DT secured to the 7.0" Bezel, and Bezel secured to the Panel/Enclosure

Note: It is not essential to use all spring clips if it is not possible for your given installation, however using as many as possible will ensure you get a nice flat panel hugging seal.

4. Mechanical Dimensions

179.5mm

9.2mm

Spring Clip Type 2 Mount

12mm

Spring Clip Type 2 Mount

Spring Clip Type 1 Mount

Spring Clip Type 1 Mount

51.8mm

52mm

Spring Clip Type 1 Mount

54mm

108mm

120mm

Spring Clip Type 1 Mount

10mm

Spring Clip Type 1 Mount

Spring Clip Type 2 Mount

Spring Clip Type 2 Mount

Spring Clip Type 1 Mount

198mm

154.1mm

85.9mm

127.9mm

4mm

190mm

15.6mm

19.4mm

Minimum Panel Cutout Required

191mm

121mm

Panel Thickness 1mm - 2.5mm

Rounded Corners Recommended for best results (R3.5)

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:	TITLE: 7.0" Bezel for uLCD-70DT Display Module		A3
	NAME	DATE	
DRAWN	4D	24/10/2014	
CHK'D			
APPV'D			
DO NOT SCALE DRAWING	REVISION	SCALE: 2:1	SHEET 1 OF 1

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7.0" Bezel for the uLCD-70DT

ORDERING INFORMATION
Order Code: 4DBEZEL-70-B (Black Version) 4DBEZEL-70-W (White Version)   **Packaging:** Module sealed in antistatic foam padded 4D Systems Box

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