



SPECIFICATIONS

DISPLAY

Display Size	7" TFT LCD
Max Resolution	800 x 480
Active Area (H/V)	152.4 x 91.44 mm
Pixel Pitch (H/V)	0.0635 x 0.0635 mm
LCD Interface	Parallel RGB 18 bit
Brightness (cd/m2)	400
Contrast	600 : 1
Viewing Angle (H/V)	160/160
Display Color	262K colors
Backlight	LED Long Life > 15,000Hrs
Touch Sensor	Projected Capacitive

TOUCH

LCD / Touch Lamination	Air Bonding
Controller Interface	I2C
Controller System	FocalTech
Touch Input Type	Finger
Controller Type	COF
Multi-touch (points)	1
Cover Glass Thickness	1.1mm
Cover Glass Hardness	>7H
Cover Glass Type	Sodalime
Surface Treatment	Clear
Glass Strengthening	Chemical Strengthening
Optical Transmittance	>85%
Driver Support	Win7, Win8, WinCE, Android

MECHANICAL

Dimensions (WxHxD)	205.9 x 144.5 x 10 mm
Net Weight	292g

ENVIRONMENT

Operating	-10°C~50°C
Storage	-20°C~60°C

POWER

Consumption	2.5 W
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ACCESSORIES

	LVDS-to-TTL Adapter Board
	VGA/DVI Scaler Board
Evaluation Kit	USB Bridgeboard for I2C Touch Screen
	12V DC Adapter

CUSTOMIZATION OPTIONS

Cover Glass ID	Custom Dimensions and Artwork
Cover Glass Type	Sodalime, Corning Gorilla or other Non-Conductive Materials
Cover Glass Thickness	Up to 1.8mm
Glass Surface Treatment	Anti-Glare, Anti-Reflective
Touchscreen Flex Tail Dimension	Custom Dimensions and Shapes
Touchscreen Controller Interface	I2C, USB or Dual
Frame Shape	Custom Dimensions
Brightness	Up to 800 nits
Multi-touch	2 or more points
Controller System	FocalTech or Atmel

ORDERING INFORMATION

DS-070S3TS0	Ruby 7" Bezel-less Touch LCD Module
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Front View

Side View

Rear View

A photograph of the back of the LCD module, showing the internal components and connectors. The module is housed in a light-colored plastic frame. The back of the LCD panel is visible, showing a textured surface. A red and black cable is connected to the module. A label with a barcode is visible on the right side of the panel. Three dashed lines point to specific locations: 'I2C' points to a small circular component on the right side of the panel; 'RGB TTL' points to a small circular component on the left side of the panel; and 'Backlight Connector' points to a small circular component on the right side of the panel, near the bottom edge.

The top image shows a main circuit board, likely a microcontroller or embedded system board. It features a large integrated circuit (IC) in the center, surrounded by various components including capacitors, resistors, and connectors. A small circular component, possibly a fan or a sensor, is visible on the left side. The board is populated with numerous surface-mount components.

The bottom image shows a smaller daughterboard or expansion module. It has a similar layout with a central IC and various passive components. A label on the board reads "001-TS008A5M". The board is designed to be connected to the main board via a ribbon cable or similar interface.

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