

Diamond Series 7" Bezel-less Multi-Touch LCD Module

• Industrial Grade • Sunlight Readable • Bezel-less • Die-Cast Aluminum Frame



SPECIFICATIONS

DISPLAY

Display Size	7" TFT LCD
Max Resolution (H/V)	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 bits
Brightness (cd/m2)	1000 / 800 (with touch)
Contrast	800 : 1
Viewing Angle (H/V)	160/160
Display Color	262K colors
Backlight	LED Long Life > 50,000Hrs
Touch Sensor	Projected Capacitive
LCD / Touch lamination	Optical Bonding

TOUCH

LCD / Touch Lamination	Optical Bonding
Controller Interface	USB
Controller System	EETI
Touch Input Type	Finger
Controller Type	COF
Multi-touch (points)	2
Cover Glass Thickness	3mm
Cover Glass Hardness	>7H
Cover Glass Type	Sodalime
Surface Treatment	Clear
Glass Strengthening	Heat Strengthening
Optical Transmittance	>85%
Driver Support	Win7, Win8, WinCE, Linux, Android

MECHANICAL

Dimensions (WxHxD)	206.2 x 144.8 x 25.3 mm
Net Weight	680g

ENVIRONMENT

Operating	-20°C ~ 70°C
Storage	-30°C ~ 80°C
Impact Resistance	Meets UL60950 ball drop test (0.5Kg ball from 1.3m height)
Sealability	IP65 Compliant

POWER

Consumption	4.35 W
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ACCESSORIES

	LVDS-to-TTL Adapter Board
	VGA/DVI Scaler Board
Evaluation Kit	USB Cable
	12V DC Adapter

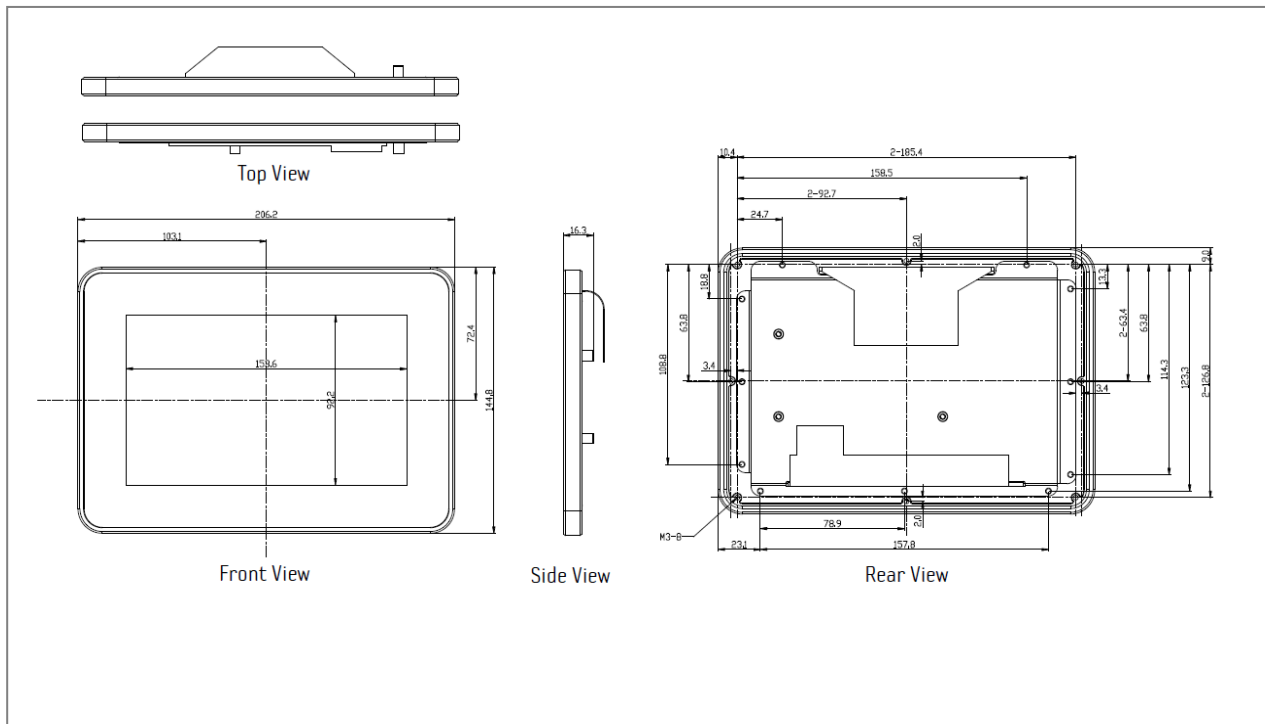
CUSTOMIZATION OPTIONS

Cover Glass ID	Custom Dimensions and Artwork
Cover Glass Type	Sodalime, Corning Gorilla or other Non-Conductive Materials
Cover Glass Thickness	Up to 6mm
Glass Surface Treatment	Anti-Glare, Anti-Reflective
Touchscreen Flex Tail Dimensions	Custom Dimensions and Shapes
Touchscreen Controller Interface	I2C, USB or Dual
Aluminum Frame Shape	Custom Dimensions
Multi-touch (points)	Up to 10 points
Controller System	EETI or Atmel
Controller Type	COB or COF

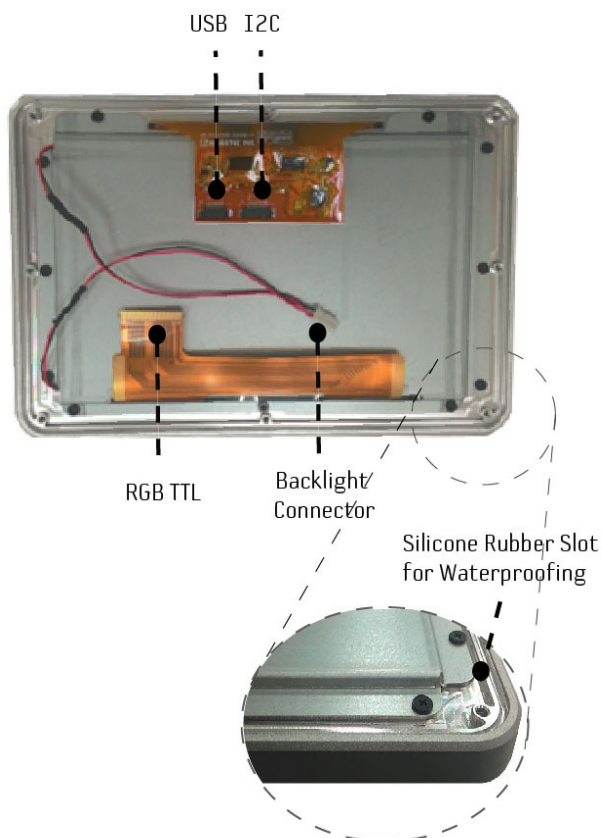
ORDERING INFORMATION

DS-070S3QS0	Diamond 7" Bezel-less Multi-touch LCD Module
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DIMENSIONS

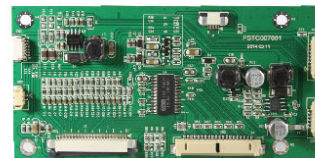


ELECTRICAL AND MECHANICAL INTERFACE



ACCESSORIES

LVDS-to-TTL Adapter Board



VGA/DVI Scaler Board



USB Cable



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Promate Solutions reserves the right to make changes in specifications.

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