

Product Announcement

FOR IMMEDIATE ANNOUNCEMENT

7-inch WVGA Displays Feature LED Backlighting

Wide Aspect (800 × 480) Displays Withstand Extended Temperatures

July 2009 – The LQ070Y3DG3A and LQ070Y3DG3B are now entering production. These panels are an excellent fit for consumer-grade devices and feature low power consumption, a 16:9 aspect ratio, excellent color rendition and depth, wide viewing angle of 110° horizontal and 130° vertical, and thin profile via Chip-on-Glass technology. The panels are identical, with the LQ070Y3DG3B incorporating a touch panel. Both panels are RoHS compliant.

Features of the LQ070Y3DG3A (without touch panel):

LCD Type	Landscape-mode WVGA
Screen size	7.0-inch (17.8 cm)
Panel Mode	Transmissive
Pixel Format	800 (H) × 480 (V)
Pixel Pitch (mm)	0.1905 (H) × 0.1905 (V)
Active Area (mm)	152.4 (H) × 91.4 (V)
Aspect Ratio	15:9
Outline Dimension (mm)	163.2 (W) × 104.0 (H) × 3.9 (D)
Display Mode	Normally white
Number of Colors	16 million (8-bit)
Brightness	350 nits
Viewing Angle	130° (H)/110° (V)
Contrast Ratio	300:1
Response Time	35 ms
Operating Temperature Range	-20°C to +50°C
Storage Temperature Range	-30°C to +70°C

Product Announcement

FOR IMMEDIATE ANNOUNCEMENT

Features of the LQ070Y3DG3B (with touch panel):

LCD Type	Landscape-mode WVGA
Screen size	7.0-inch (17.8 cm)
Panel Mode	Transmissive
Pixel Format	800 (H) × 480 (V)
Pixel Pitch (mm)	0.1905 (H) × 0.1905 (V)
Active Area (mm)	152.4 (H) × 91.4 (V)
Aspect Ratio	15:9
Outline Dimension (mm)	163.2 (W) × 104.0 (H) × 5.0 (D)
Display Mode	Normally white
Number of Colors	16 million (8-bit)
Brightness	280 nits
Viewing Angle	130° (H)/110° (V)
Contrast Ratio	300:1
Response Time	35 ms
Operating Temperature Range	-20°C to +50°C
Storage Temperature Range	-30°C to +70°C

Price and Availability:

The LQ070Y3DG3A and LQ070Y3DG3B are now available for sampling:

- LQ070Y3DG3A: MOQ 40 pcs, single-piece price \$130
- LQ070Y3DG3B: MOQ 40 pcs, single-piece price \$143

Please contact Emily Skoglund at SkoglundE@sharpsec.com for more information about these exciting new displays.

About Sharp Microelectronics of the Americas

Sharp Microelectronics of the Americas (SMA) drives innovative LCD, optoelectronics, memory, imager, and RF components to market. The world's leading manufacturers of consumer and business technologies look to SMA for the products, expertise, and worldwide support they need to make their visions a reality. SMA, in Camas, Washington, is the microelectronics sales and marketing division of Sharp Electronics Corporation, a wholly owned subsidiary of Sharp Corporation. For more information, visit us at www.SHARPsma.com.

* The Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive (2002/95/EC). This directive took effect July 1, 2006.