

Product Announcement

FOR IMMEDIATE ANNOUNCEMENT

Sharp Introduces a New 3.5-inch LCD Module for Handheld and Industrial Applications

Normally Black QVGA Display Features Wide Viewing Angle, High Brightness and Contrast

The LQ035Q3DW02 is now entering production, pulling together such frequently-requested attributes as a wide symmetrical viewing cone of 160°, brightness of 450 nits, and a contrast ratio of 500:1, all in a Normally Black display. This module includes an integrated timing generator and DC/DC converter, and is an excellent fit for handheld and industrial applications.

Features of the LQ035Q3DW02:

| | |
|-----------------------------|-------------------------------|
| LCD Type | Landscape-mode QVGA |
| Screen size | 3.5-inch (8.8 cm) |
| Panel Mode | Transmissive |
| Pixel Format | 320 (H) × 240 (V) |
| Pixel Pitch (mm) | 0.2205 (H) × 0.2205 (V) |
| Active Area (mm) | 70.56 (H) × 52.92 (V) |
| Aspect Ratio | 4:3 |
| Outline Dimension (mm) | 76.9 (W) × 63.9 (H) × 3.5 (D) |
| Display Mode | Normally Black |
| Number of Colors | 6-bit: 262,144 |
| Brightness | 450 nits |
| Viewing Angle | 160° (H)/160° (V) |
| Contrast Ratio | 500:1 |
| Response Time | 30 ms |
| Operating Temperature Range | -10°C to +70°C |
| Storage Temperature Range | -25°C to +70°C |

This panel meets all RoHS* compliance requirements. Full specifications are available from your local Sharp Representative, and on our Sharp public website (www.SHARPsma.com).

Please contact Emily Skoglund at SkoglundE@sharpsec.com with any questions you may have regarding this exciting new addition to the Sharp product line.

Product Announcement

FOR IMMEDIATE ANNOUNCEMENT

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.