

Product Announcement

FOR IMMEDIATE ANNOUNCEMENT

Sharp Introduces A New 8.4-inch LCD Module for Industrial Applications

Module Features Wide Viewing Angle and High Contrast

The LQ084V1DG41 is now entering production. It features a contrast ratio of 600:1 and a wide viewing angle of 160° horizontal and 110° vertical. This part makes an excellent drop-in upgrade from LQ084V1DG21/DG22, as it is mechanically and electrically compatible; plus it offers significantly better contrast, a wider viewing cone, and wider temperature operation.

Features of the LQ084V1DG41:

LCD Type	Landscape-mode VGA
Screen size	8.4-inch (21 cm)
Panel Mode	Transmissive
Pixel Format	640 (H) × 480 (V)
Pixel Pitch (mm)	0.267 (H) × 0.267 (V)
Active Area (mm)	170.9 (H) × 128.2 (V)
Aspect Ratio	4:3
Outline Dimension (mm)	221.0 (W) × 152.4 (H) × 12.0 (D)
Display Mode	Normally white
Number of Colors	262,144 (6-bit)
Brightness	300 nits
Viewing Angle	140° (H)/110° (V)
Contrast Ratio	600:1
Response Time	35 ms
Operating Temperature Range	-10°C to +65°C
Storage Temperature Range	-30°C to +85°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.

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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.