

# SHARP LCD Displays

**SHARP**  
MICROELECTRONICS  
OF THE AMERICAS

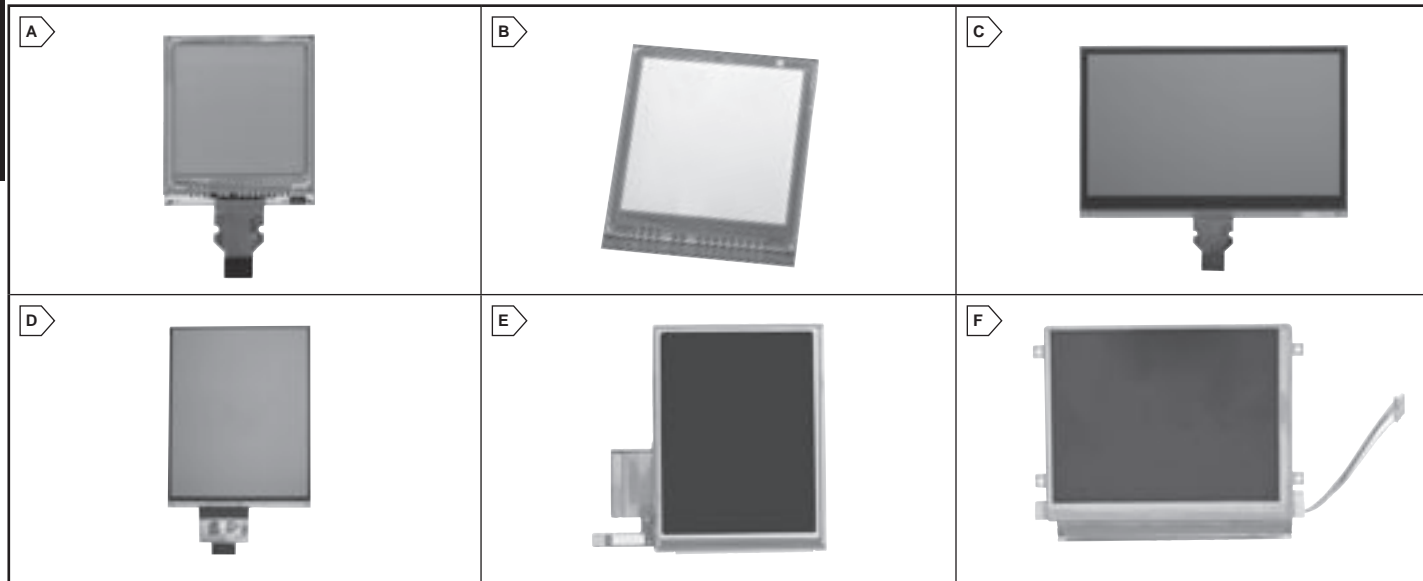
RoHS Compliant This product is RoHS compliant.

Sharp displays make life easier.

From the smallest 2.2" display to the 64.5" display with stunning contrast and brilliant brightness, we have a product that will fit your design. And because it's Sharp, you will know the display modules are built to the performance specifications you need. Commercial displays are an excellent option when performance and price requirements dictate; however, in some applications, it is preferable to pay a premium to design using an industrial-grade display. The time you spend up front selecting a display will pay off in the long run.

Displays

Sharp



## MEMORY LCD MODULES

The thin 1.35-inch display can be ordered with two connection options: FPC or elastomeric. The FPC comes with a flex cable, which simplifies the connection to the display and allows for different mounting methods. With the quick set-up elastomeric module option, no connector is needed. Just align it with a circuit board and make immediate contact. These 1.35-inch Square LCDs are loaded with features that deliver a display capable of smooth-moving graphics, with 50% reflectance and low power usage of 10 μW. The LCDs are visible in a 0.5 lux environment without requiring a light source. With the new Sharp Memory LCD, embedded 1-bit memory in every pixel enables each pixel to hold state while requiring very little current. This delivers an "always on" display that uses little power (only a single supply voltage is required), even when updating images. A lightweight, two-glass design with an integrated driver in the panel provides an exceptionally thin module that's a perfect solution for compact handheld, wrist-top, and other small-screen devices that benefit from displaying rich content. Incorporating the Memory LCD into a design is simple with 3-wire SPI serial interface (SI, SCS, SCK).

**NEW!**  
TECHNOLOGY

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Fig.	Size	Pixel Format	Response Time (ms)		Contrast	Operating Temp. (°C)	Panel Chromaticity		Viewing Angle	Price Each	
					Rise	Fall			X	Y		1	5
852-LS013B7DH01	LS013B7DH01	A	1.26"	144 x 168	10	20	14:1	-20°C to +70°C	.307	.330	55°	17.25	16.05
852-LS013B4DN02	LS013B4DN02	A	1.35"	96 x 96	50	50	10:1	-20°C to +70°C	.313	.338	60°	20.43	16.53
852-LS013B4DN01	LS013B4DN01	B	1.35	96 x 96	50	50	10:1	-20°C to +70°C	.313	.338	60°	15.25	13.00
852-LS027B7DH01	LS027B7DH01	C	2.7"	400 X 240	10	20	14:1	-20°C to +70°C	.307	.330	60°	45.25	41.55
852-LS060S2UD01	LS060S2UD01	D	6.0	600 x 800	10	20	15:1	-20°C to +70°C	.31	.33	55°	148.58	129.81

## HANDHELD DISPLAYS

Making the right display choice for handheld applications.

Handheld devices must be able to meet the demands of a media-rich environment.

Sharp handheld LCDs are ideal for next-generation mobile devices from PDAs to GPS devices to portable medical equipment.

\*Includes Touch Panel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Fig.	Size	Pixel Format	Brightness (nits)	Contrast	Operating Temp. (°C)	Type	Viewing Angle	Price Each	
										1	5
852-LQ035Q7DB05	LQ035Q7DB05	E	3.5"	240 x 320	160	85:1	-10°C to 60°C	QVGA	50°	105.00	100.00
* 852-LQ043T1DG01	LQ043T1DG01	E	4.3"	480 x 272	500	300:1	-30°C to 85°C	QVGA	40°	66.67	65.50
852-LQ050W1LC1B	LQ050W1LC1B	E	5.0"	1024 x 600	430	450:1	0°C to +60°C	SVGA	60°	190.32	185.00
852-LQ050Q5DR01	LQ050Q5DR01	E	5.0"	320 x 240	280	100:1	-40°C to 95°C	QVGA	55°	274.00	259.60
852-LQ057Q3DG01	LQ057Q3DG01	E	5.7"	320 x 240	320	500:1	-30°C to +70°C	QVGA	160°	187.46	173.52
852-LQ064V3DG01	LQ064V3DG01	E	6.4"	640 x 480	350	350:1	-30°C to 80°C	VGA	40°	265.00	262.00

## INDUSTRIAL DISPLAYS

Making the right display choice for industrial applications.

Sharp industrial displays feature high contrast ratios for visibility in strong light, long product life, durability and high resistance to shock and vibration.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Fig.	Size	Pixel Format	Brightness (nits)	Contrast	Operating Temp. (°C)	Type	Viewing Angle	Price Each	
										1	5
568-LQ10D36A	LQ10D36A	F	10.4"	640 x 480	200	300:1	-10°C to 65°C	VGA	40°	372.00	371.80
852-LQ104V1DG21	LQ104V1DG21	F	10.4"	640 x 480	350	300:1	-10°C to 65°C	VGA	40°	470.00	463.64
852-LQ104V1DG5A	LQ104V1DG5A	F	10.4"	640 x 480	350	300:1	-10°C to 65°C	VGA	40°	380.00	378.79
852-LQ121S1DG43	LQ121S1DG43	F	12.1"	800 x 600	370	450:1	-10°C to 65°C	SVGA	50°	310.00	305.90
852-LQ121S1LG42	LQ121S1LG42	F	12.1"	800 x 600	370	450:1	-10°C to 65°C	SVGA	55°	390.00	380.00

With LVDS Interface

For quantities greater than listed, call for quote.

MOUSEzR STOCK NO.	Sharp Part No.	Fig.	Size	Pixel Format	Brightness (nits)	Contrast	Operating Temp. (°C)	Type	Viewing Angle	Price Each	
										1	5
852-LQ150X1LG71	LQ150X1LG71	F	15.0"	1024 x 768	250	550:1	0°C to +60°C	XGA	55°	357.89	331.27
852-LQ150X1LG81	LQ150X1LG81	F	15.0"	1024 x 768	350	550:1	0°C to 60°C	XGA	55°	375.00	365.00

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