

SHARP

Sharp LCD Modules

Sharp Microelectronics is the world's leader in the development of liquid crystal displays. SHARP offers LCD modules in a variety of technologies and sizes, all with brilliant color and high performance. From 2" displays, to rugged displays for handheld applications, to modules with high color accuracy, to 65" AQUOS® televisions, SHARP has solutions for practically all applications. We also offer tough industrial modules and large, high-brightness, high-contrast modules for electronic signage.



Features ▶

- Ruggedized panels available for handheld applications
- High color gamut panels for accurate colorimetry
- Extended temperature range operation
- High-brightness, high-contrast panels available
- Long lifecycle for industrial-grade panels

Benefits ▶

- Lower power usage
- Industrial-grade panels will survive extreme shock and vibration conditions
- Highly visible panels get your message across
- High color accuracy
- Longer lifecycles mean less standing inventory required

Applications ▶

- Handheld devices
- ATMs and kiosks
- Medical equipment
- Factory automation
- Test and measurement

Product Specifications ▶

Size	Part Number	Resolution	NITS	Viewing Angle (Left/Right); (Top/Bottom)	Contrast Ratio	Backlight Type	Interface	Operating Temperature (°C)
2.2"	LQ022B8UD05	QCIF+	50	100; 50/50	60	4 x LED	Digital	-10 to +60
3.5"	LQ035Q7DB02	QVGA	50	100; 50/50	8 (refl)/70 (trans)	6 x LED	Digital	-10 to +60
3.5"	LQ035Q7DB03	QVGA	55	100; 50/50	15 (refl)/85 (trans)	6 x LED	Digital	-10 to +60
3.5"	LQ035Q7DH06	QVGA	225/R4%	100; 50/50	3 (refl)/80 (trans)	6 x LED	Digital	-10 to +70
3.5"	LQ035Q7DH07	QVGA	250	100/80; 50/50	3 (refl)/80 (trans)	6 x LED	Digital	-10 to +70
3.6"	LQ036Q1DA01	QVGA	280	160; 80/50	500	7 x LED	Digital	-10 to +60
3.7"	LS037V7DW01	QVGA/VGA	R4%/165	160; 80/80	2/200	LED	Digital	-10 to +60
3.7"	LS037V7DW03	QVGA/VGA	R4%/200	160; 80/80	2/200	LED	Digital	-10 to +60
3.8"	LQ038Q7DB03R	QVGA	R13%/90	100; 50/50	8/75	9 x LED	Digital	0 to +50
3.8"	LQ038Q5DR01	QVGA	450	130/130; 40/65	100	1 x CCFT	Digital	-30 to +85
4.3"	LQ043T1DG01	WXVGA	500	120; 40/60	300	9 x LED	Digital	-30 to +85
4.3"	LQ043T3DX02	WXVGA	165	160; 80/80	400	7 x LED	Digital	-10 to +50
5.0"	LQ050Q5DR01	QVGA	380	130; 55/65	100	1 x CCFT	Digital	-30 to +85
5.7"	LQ057V3DG01	VGA	430	130; 65/40	350	1 x CCFT	Digital	-30 to +80
5.7"	LQ057Q3DC12	QVGA	500	130; 65/41	400	1 x CCFT	Digital	-30 to +80
6.4"	LQ064V3DG01	VGA	350	140; 40/70	350	2 x CCFT	Digital	-10 to +70
7.5"	LQ075V3DG01	VGA	400	140; 60/65	600	1 x CCFT	Digital	-30 to +80
8.0"	LQ080V3DG01	VGA	380	130; 65/55	250	1 x CCFT	Digital	0 to +55
8.4"	LQ084V1DG21	VGA	300	110; 55/40	250	1 x CCFT	Digital	0 to +55
8.4"	LQ084S3DG01	VGA	350	160; 45/80	320	2 x CCFT	Digital	-30 to +80
10.4"	LQ100368	VGA	200	140; 40/70	300	1 x CCFT	Digital	-10 to +65
10.4"	LQ104S1DG21	SVGA	350	140; 40/70	300	2 x CCFT	Digital	-10 to +65
10.4"	LQ104S1DG31	SVGA	350	140; 50/60	500	2 x CCFT	Digital	-30 to +80
10.4"	LQ104S1DG61	SVGA	420	140; 50/60	500	2 x CCFT	Digital	-30 to +80
10.4"	LQ104S1LG21	SVGA	350	140; 40/70	300	2 x CCFT	LVDS	-10 to +65
10.4"	LQ104S1LG31	SVGA	350	140; 50/60	500	2 x CCFT	LVDS	-30 to +80
10.4"	LQ104S1LG61	SVGA	420	140; 50/60	500	2 x CCFT	LVDS	-30 to +80
10.4"	LQ104V1DG21	VGA	350	140; 40/70	300	2 x CCFT	Digital	-10 to +65
10.4" (26 cm)	LQ104V1DG61	VGA	450	140; 50/60	600	2 x CCFT	Digital	-30 to +80
10.4" (26 cm)	LQ104V1LG61	VGA	450	140; 50/60	600	3 x CCFT	LVDS	-30 to +80
10.4" (26 cm)	LQ104V1DW02	VGA	380	160; 80/80	450	2 x CCFT	Digital	0 to +70
12.1" (31 cm)	LQ121S1DG61	SVGA	450	140; 50/60	600	2 x CCFT	Digital	-30 to +80
12.1" (31 cm)	LQ121S1LG41	SVGA	370	140; 50/60	450	1 x CCFT	LVDS	-10 to +65
12.1" (31 cm)	LQ121S1LG61	SVGA	450	140; 50/60	600	2 x CCFT	LVDS	-30 to +80
12.1" (31 cm)	LQ121S1LG64	SVGA	450	140; 50/60	600	2 x CCFT	LVDS	-20 to +70
12.1" (31 cm)	LQ121S1LW01	SVGA	250	170; 85/85	800	2 x CCFT	LVDS	0 to +50
15.0" (38 cm)	LQ150X1LGN2A	XGA	260	160; 55/80	350	2 x CCFT	LVDS	-25 to +60
15.0" (38 cm)	LQ150X1LG45	XGA	250	120; 55/45	550	2 x CCFT	LVDS	-25 to +60

SHARP**Sharp LCD Modules—Continued****Product Specifications ▶**

Size	Part Number	Resolution	NITS	Viewing Angle (Left/Right) (Top/Bottom)	Contrast Ratio	Backlight Type	Interface	Operating Temperature (°C)
15.0" (38 cm)	LQ150X1LG55	XGA	350	120; 45/55	550	2 x CCFT	LVDS	0 to +60
15.0" (38 cm)	LQ150X1LGB1	XGA	600	120; 55/45	350	4 x CCFT	LVDS	0 to +60
15.0" (38 cm)	LQ150X1LGN2E	XGA	350	160; 55/80	350	2 x CCFT	LVDS	0 to +60
15.0" (38 cm)	LQ150X1LW72	XGA	350	170; 85/85	600	4 x CCFT	LVDS	0 to +50
23.1" (59.0 cm)	LQ231U1LW01	UXGA	250	160; 80/80	500	6 x CCFT	LVDS	0 to +45
46.0" (116.809 cm)	LK460D3LZ19	1080P	450	176; 88/88	1,800	22 x CCFT	LVDS	0 to +50
52.0" (132.174 cm)	LK520D3LZ19	1080P	450	176; 88/88	1,200	24 x CCFT	LVDS	0 to +50
64.5" (163.9 cm)	LK645D3LZ29	1080P	450	176; 88/88	2,000	36 x CCFT	LVDS	0 to +50
64.5" (163.9 cm)	LK645D3LZ2U	1080P Portrait	400	170; 85/85	700	32 x CCFT	LVDS	0 to +50