TFT

☆New product
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RoHS

■LCD Modules

<For industrial appliances>

Display size (cm) [″]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Luminance (cd/m²) (TYP.)	Interface	Power consumption (W) (TYP.)	Outline dimensions*1 W × H × D (mm) (TYP.)	Weight (g) (MAX.)	Remarks
8.8 [3.5]	LQ035Q3DG03	320 × RGB × 240	0.2205 × 0.2205	70.56 × 52.92	16.19 M	450	CMOS	0.8	76.9 × 63.9 × 4.7	TYP. 42	Long-life LED backlight
8.9 [3.5]	☆LQ035Q3DY01	240 × RGB × 320	0.2235 × 0.2235	53.64 × 71.52	260 k	600	CMOS	0.5	65.0 × 85.0 × 3.4	40	Advanced Super V, Low reflection technology
9.4 [3.7]	LS037V7DW05	480 × RGB × 640	0.117 × 0.117	56.16 × 74.88	16.77 M	250	CMOS	0.4	65.0 × 89.2 × 4.4	50	Advanced Super V, Transflective LCD, With resistive touch panel
	LS037V7DW06					300			65.0 × 89.2 × 3.6	38	Advanced Super V, Transflective LCD
11 [4.2]	LQ042T1DW01	480 × 272 × RGB	0.1935 × 0.1935	92.88 × 52.632	16.19 M	400	CMOS	2.5	109.5 × 69.0 × 9.6	85	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
11 [4.3]	LQ043T1DG28	480 × 272 × RGB	0.198 × 0.198	95.04 × 53.856	260 k	300	CMOS	0.7	105.5 × 67.2 × 4.2	60	With resistive touch panel
	LQ043T1DG29					360			105.5 × 67.2 × 3.1	45	
	☆LQ043Y1DY01	480 × RGB × 800	0.117 × 0.117	56.16 × 93.6	16.77 M	315		0.6	62.46 × 105.9 × 2.1	30	Advanced Super V, Low reflection technology
14 [5.7]	LQ057Q3DC03	320 × 240 × RGB	0.36 × 0.36	115.2 × 86.4	260 k	500	CMOS	2.5	144.0 × 104.6 × 12.3	210	Long-life LED backlight, Built-in LED backlight driver circuit
16 [6.4]	LQ064V3DG06	640 × 480 × RGB	0.204 × 0.204	130.56 × 97.92	260 k	350	CMOS	3.0	161.3 × 117.0 × 12.0	TYP. 200	Long-life LED backlight, Built-in LED backlight driver circuit
18 [7.0]	LQ070Y3LW01	800 × 480 × RGB	0.1905 × 0.1905	152.4 × 91.44	16.19 M	380	LVDS	2.7	170.0 × 110.0 × 9.0	TYP. 175	Advanced Super V, Long-life LED backlight
	LQ070Y3LG01				260 k	350		1.8	164.9 × 104.0 × 3.9	140	
21 [8.4]	LQ084V1DG43	640 × RGB × 480	0.267 × 0.267	170.88 × 128.16	260 k	370	CMOS	4.7	221.0 × 152.4 × 9.3	340	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ084S3LG03	800 × RGB × 600	0.213 × 0.213	170.4 × 127.8	16.19 M	330	LVDS	4.1	199.5 × 154.0 × 11.6	320	Long-life LED backlight, Built-in LED backlight driver circuit
22 [8.5]	LQ085Y3DG18	800 × 480 × RGB	0.231 × 0.231	184.8 × 110.88	260 k	250	CMOS	4.1	222.7 × 133.6 × 10.0	TYP. 256	Built-in LED backlight driver circuit
23 [9.1]	LQ091B1LW01	822 × RGB × 260	0.267 × 0.267	219.474 × 69.42	16.77 M	380	LVDS	6.8	240.0 × 86.0 × 10.0	230	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
26 [10.1]	☆LQ101K1LY05	1 280 × RGB × 800	0.1695 × 0.1695	216.96 × 135.6	16.77 M	400	LVDS	4.2	230.7 × 152.5 × 8.7	270	Advanced Super V, Low reflection technology, Long-life LED backlight, Built-in LED backlight driver circuit
	★LQ101W3LG01	1 024 × RGB × 600	0.2175 × 0.2088	222.72 × 125.28	260 K	350		5.1	235.3 × 143.0 × 7.9	350	Long-life LED backlight, Built-in LED backlight driver circuit
26 [10.4]	LQ104V1DG81/LG81	640 × RGB × 480	0.33 × 0.33	211.2 × 158.4	260 k	450	CMOS/ LVDS	5.6	246.5 × 179.3 × 12.5	TYP. 500	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ104S1DG2C	800 × RGB × 600	0.264 × 0.264			350	CMOS	4.5	246.5 × 179.3 × 11.0	550	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ104S1LG81					420	LVDS	6.1	246.5 × 179.3 × 12.5	500	Long-life LED backlight, Built-in LED backlight driver circuit

All products listed on this page are LED backlight models.
*1 Protrusions such as positioning bosses are not included.
(Note) Please note that the specifications are subject to change without prior notice for product improvement.

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■LCD Modules

<For industrial appliances> (cont'd)

Display size (cm) [″]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Luminance (cd/m²) (TYP.)	Interface	Power consumption (W) (TYP.)	Outline dimensions*1 W × H × D (mm) (TYP.)	Weight (g) (MAX.)	Remarks
31 [12.1]	LQ121S1DG81	800 × RGB × 600	0.3075 × 0.3075	246.0 × 184.5	260 k	450	CMOS	6.2	276.0 × 209.0 × 11.0	650	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ121S1DC71				260 k	850	CMOS	7.4	265.0 × 205.0 × 9.5	550	Long-life LED backlight
	LQ121S1LG75				16.19 M	330	LVDS	5.1	265.0 × 205.0 × 9.5	550	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ121S1LG84				260 k	450	LVDS	5.1	276.0 × 209.0 × 9.1	600	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ121S1LG86				260 k	1 500	LVDS	12.9	276.0 × 209.0 × 9.1	600	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ121K1LG52	1 280 × RGB × 800	0.204 × 0.204	261.1 × 163.2	16.19 M	430	LVDS	6.0	278.0 × 184.0 × 8.6	550	Long-life LED backlight, Built-in LED backlight driver circuit
	☆LQ121K1LG54		0.204 × 0.204		16.19 M	320	LVDS	6.0	278.0 × 184.0 × 8.6	550	Long-life LED backlight, Built-in LED backlight driver circuit, Wide viewing angle film
	LQ121X3LG02	1 024 × RGB × 768	0.240 × 0.240	245.8 × 184.3	260 k	1 200	LVDS	9.7	259.0 × 205.0 × 7.5	550	Long-life LED backlight
38 [15.0]	LQ150X1LG11	1 024 × RGB × 768	0.297 × 0.297	304.1 × 228.1	16.19 M	600	LVDS	8.2	331.6 × 254.7 × 9.3	950	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ150X1LG91				16.19 M	350	LVDS	6.8		950	Long-life LED backlight, Built-in LED backlight driver circuit
	LQ150X1LG96				16.19 M	1 050	LVDS	14.8		950	Built-in LED backlight driver circuit
	☆LQ150X1LX92				16.19 M	270	LVDS	10.0	326.5 × 253.5 × 9.6	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%
	LQ150X1LX95				16.19 M	400	LVDS	10.0	326.5 × 253.5 × 9.6	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%
	LQ150X1LX96				16.19 M	500	LVDS	10.0	326.5 × 253.5 × 9.6	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%
	LQ150X1LW12				10 M	350	LVDS	10.2	331.6 × 254.7 × 9.3	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	LQ150X1LW94				16.19 M	330	LVDS	9.8	326.5 × 253.5 × 9.6	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	LQ150X1LW95				16.19 M	400	LVDS	10.0	326.5 × 253.5 × 9.6	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	LQ150X1LW96				16.19 M	500	LVDS	10.0	326.5 × 253.5 × 9.6	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
39.6 [15.6]	★LQ156T3LW03	1 366 × RGB × 768	0.252 × 0.252	344.232 × 193.536	16.77 M	400	LVDS	16.9	363.8 × 215.9 × 10.8	950	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit

All products listed on this page are LED backlight models.
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■LCD Modules

<For industrial appliances> (cont'd)

Display size (cm) [″]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Luminance (cd/m²) (TYP.)	Interface	Power consumption (W) (TYP.)	Outline dimensions*1 W × H × D (mm) (TYP.)	Weight (g) (MAX.)	Remarks
39.6 [15.6]	LQ156M1LG21	1 920 × RGB × 1 080	0.17925 × 0.17925	344.16 × 193.59	16.19 M	300/ 350/ 400/ 600	2ch LVDS	13.6 (600cd/ m²)	370.0 × 217.0 × 9.3	950	Long-life LED backlight, Built-in LED backlight driver circuit, With brightness control switch
	☆LQ156M3LW01				16.77 M	400		(17.9)	363.8 × 215.9 × 10.8		Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
43.2 [17.0]	LQ170E1LG21	1 280 × RGB × 1 024	0.264 × 0.264	337.92 × 270.336	16.19 M	350/ 400/ 450/ 600	2ch LVDS	15.6 (600cd/ m²)	358.5 × 296.5 × 12.9	1 200	Long-life LED backlight, Built-in LED backlight driver circuit, With brightness control switch
	★LQ170E1LW24		0.2628 × 0.2628	336.384 × 269.1072	16.77 M	400		(15.2)		T.B.D.	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
48 [19.0]	LQ190E1LX51	1 280 × RGB × 1 024	0.294 × 0.294	376.32 × 301.056	16.77 M	1 000	2ch LVDS	74.4	404.2 × 330.0 × 34.0	2 600	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	LQ190E1LW52					450		21.7	404.2 × 330.0 × 15.0	1 850	Advanced Super V, Long-life LED backlight
	☆LQ190E1LW72					350		19.6	396.0 × 323.6 × 11.5	1 300	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	★LQ190E1LW76					470		26.8			Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
	LQ190E1LX75/T					350		19.6			Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Haze value 3%
	LQ190N1LW01	1 680 × RGB × 1 050	0.24375 × 0.24375	409.5 × 255.9375		300		20.2	444.0 × 283.3 × 15.5	1 600	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
51 [20.1]	LQ201U1LW31	1 600 × XYZ × 1 200	0.255 × 0.255	408.0 × 306.0	256 gray scale	1 000	2ch LVDS	25.7	436.0 × 335.0 × 20.4	2 400	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit, Monochrome
	LQ201U1LW32	1 600 × RGB × 1 200			16.77 M	330					Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit
59 [23.1]	LQ231U1LW32	1 600 × RGB × 1 200	0.294 × 0.294	470.4 × 352.8	16.77 M	500	2ch LVDS	65.5	530.0 × 431.5 × 23.9	4 500	Advanced Super V, Long-life LED backlight, Built-in LED backlight driver circuit

All products listed on this page are LED backlight models.
*1 Protrusions such as positioning bosses are not included.
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LCD MODULES

☆New product

RoHS

<For monitors>

Display size (cm) [″]	Model No.	Number of pixels*1	Dot format H × V (dot)	Active area H × V (mm)	Display colors	Luminance (cd/m²) (TYP.)	Interface	Outline dimensions*2 W × H × D (mm) (TYP.)	Backlight	Remarks
80.0 [31.5]	LQ315D1LG9N	8 294 400	3 840 × RGB × 2 160	697.92 × 392.58	1.07B 10-bit	450	LVDS	733.0 × 428.6 × 33.0 (57.5*3)	Direct-lit LED (built-in driver)	Super-high resolution and high luminosity achieved by using IGZO*5 LCD, sRGB-compliant, Wide viewing angle: L/R 178°/ U/D 178°, Response time [G to G]: 8 ms (Typ.)
	LQ315D1LG93					800				Super-high resolution and high luminosity achieved by using IGZO*5 LCD, sRGB-compliant, Wide viewing angle: L/R 178°/ U/D 178°, Response time [G to G]: 8 ms (Typ.)
	☆LQ315D1JG93					350	V-by-One	734.8 × 430.0 × 16.3 (26.5*4)	Edge-lit LED (without driver)	Super-high resolution and high color purity (100% of Adobe RGB) achieved by using IGZO*5 LCD, Wide viewing angle: L/R 178°/ U/D 178°, Response time [G to G]: 8 ms (Typ.)
152.5 [60]	LK601R3LA19	8 294 400	3 840 × RGB × 2 160	1 330.56 × 748.44	1.06B 8-bit + 2-bit FRC	450	LVDS	1 380.0 × 790.0 × 106.6	Direct-lit LED (built-in driver)	Ultraviolet-induced Multi-domain Vertical Alignment LCD, High resolution, High color purity (78% of NTSC), Wide viewing angle: L/R 176°/ U/D 176°, High contrast: 4 000:1, High-speed response [G to G]: 6 ms (Typ.)

*1　Pixel means a set of each RGB dot.
*2　Excluding FPC for connection and other protruding parts.
*3　The thickness of the LED-Driver section.
*4　The thickness of the control board section.
*5　IGZO: an oxide semiconductor consisting of In (Indium), Ga (Gallium), and Zn (Zinc).
(Note) Please note that the specifications are subject to change without prior notice for product improvement.

<For digital signage displays>

Display size (cm) [″]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Luminance (cd/m²) (TYP.)	Interface	Outline dimensions*1 W × H × D (mm) (TYP.)	Weight (kg)	Remarks
176.56 [69.5]	LK695D3LA48	1 920 × RGB × 1 080	0.802 × 0.802	1 538.88 × 865.62	16.70 M 8-bit	450	LVDS	1 566 × 901.8 × 29.6	26.0±1.0	Backlight type: edge-lit LED (built-in driver) SFR (60 Hz input–60 Hz output) Viewing angle (L/R / U/D): 176° / 176°
	LK695D3LA1W					500				
	LK695D3LA58					700				
203.21 [80]	LK800D3LA28		0.9225 × 0.9225	1 771.20 × 996.30	1.06B 8-bit + 2-bit FRC	350		1 820.2 × 1 045.3 × 34.4	34.0±1.0	Backlight type: edge-lit LED (built-in driver) DFR (60 Hz input–120 Hz output) Viewing angle (L/R / U/D): 176° / 176°
	LK800D3LA38					500				
	LK800D3LA48					700				
226.66 [90]	LQ900D3LA01		1.038 × 1.038	1 992.96 × 1 121.04		350		2 032.0 × 1 178.0 × 80	46.5±1.0	Backlight type: direct-lit LED (built-in driver) DFR (120 Hz input–120 Hz output) Viewing angle (L/R / U/D): 176° / 176°

*1　Excluding FPC for connection and other protruding parts.

RoHS

<For wearable & mobile terminal device (low power consumption LCD)>

Display size (cm) [″]	Model No.	Dot format H × V (dot)	Pixel pitch H × V (mm)	Active area H × V (mm)	Display colors	Lumi-nance (cd/m²) (TYP.)	Interface	Power consump-tion*1 (µW) (TYP.)	Outline dimensions*2 W × H × D (mm) (TYP.)	Weight (g) (MAX.)	Remarks
2.5 [0.99]	LS010B7DH01	128 × 128	0.1955 × 0.1955	ø25.024	B/W	No B/L	Serial	45	33.0 × 33.4 × 1.64 (Octagonal)	4.0	
3 [1.17]	LS012B4DG01	184 × 38	0.158 × 0.158	29.072 × 6.004	B/W	No B/L	Serial	45	35.1 × 11.0 × 0.676	0.7	
3.3 [1.28]	LS013B7DH03	128 × 128	0.180 × 0.180	23.04 × 23.04	B/W	No B/L	Serial	50	26.6 × 30.3 × 0.741	1.3	
3.4 [1.33]	LS013B7DH06	128 × RGB × 128	0.186 × 0.186	23.808 × 23.808	8 colors	No B/L	Serial	60	26.82 × 31.3 × 0.745	1.5	
6.9 [2.7]	LS027B7DH01	400 × 240	0.1470 × 0.1470	58.8 × 35.28	B/W	No B/L	Serial	175	62.8 × 42.82 × 1.64	10.6	
11.2 [4.4]	LS044Q7DH01	320 × 240	0.280 × 0.280	89.6 × 67.2	B/W	No B/L	Serial	600	94.8 × 75.2 × 1.64	29.3	

*1 Data update mode (Display pattern: Vertical stripe display)
*2 Protrusion such as positioning bosses are not included.
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