



SHARP DEVICES EUROPE

Note: This PDN is issued by Sharp Devices Europe, other SHARP business units might have different schedules.

## Product Discontinuation Notification

NOTIFICATION NO.	ISSUE DATE	LAST BUY DATE	LAST SHIP DATE
EU-PDN-20200408-01	08.04.2020	20.10.2020	April 2021

*This is to advise you that the following products will be discontinued.*

<b>Product ID (Description):</b>	<b>Various LCD Modules for Industrial Applications</b> <b>Please see the attachment for the complete part number list.</b>
<b>Description of Change:</b>	The LCD models listed in the attachment are facing a critical situation due to the EOL of various materials necessary for the production of the panels themselves. The current demand for each model does not guarantee long-term availability of these components. SHARP therefore considers it necessary to proceed with the termination of production, requiring the collaboration of all customers in order to plan supplies for life-time demand according to the above schedule; this will guarantee the delivery of the panels without having to face sudden situations of unavailability due to the lack of components necessary for production.
<b>Effect of Change:</b>	Discontinuation of Supply
<b>Note:</b>	Please see attachments for tentative specs of successor models. We ask for your non-binding forecast to be informed by <b>July 1st, 2020</b> .

### Suggested Alternative Parts and/or Manufactures:

DISCONTINUED SHARP PART NO.	SUGGESTED ALTERNATE PART NO.	ALTERNATE MANUFACTURER
Various LCD Modules for Industrial Applications Please see the attachment for the complete part number list.	As shown in the attachment.	---

*In case of further questions, please contact your SHARP sales representative.*



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# Attachment

## End of Life Part Numbers

Model names marked in **RED** are active SDE part numbers.

Size	Resolution	Model Name	Successor Models
3.5	QVGA	LQ035Q3DG01C	LQ035Q3DX01
3.5	QVGA	LQ035Q3DG03	LQ035Q3DX01
3.5	QVGA	LQ035Q3DG05	LQ035Q3DX01
3.5	QVGA	LQ035Q3DG06	LQ035Q3DX01
3.5	QVGA	LQ035Q3DG07	LQ035Q3DX01
3.5	QVGA	LQ035Q3DG12	LQ035Q3DX01
3.5	QVGA	LQ035Q3DY01	LQ035Q3DX01
4.3	WQVGA	LQ043T1DG18	LQ043T1DGxx
4.3	WQVGA	LQ043T1DG28	LQ043T1DGxx
4.3	WQVGA	LQ043T1DG29	LQ043T1DGxx
4.3	WQVGA	LQ043T1DG38	LQ043T1DGxx
4.3	WQVGA	LQ043T1DG38G	LQ043T1DGxx
4.3	WQVGA	LQ043T1DG39	LQ043T1DGxx
4.3	WQVGA	LQ043T1DG39G	LQ043T1DGxx
4.3	WQVGA	LQ043T1DH06	LQ043T1DGxx
7.0	WVGA	LQ070Y3DG1A	LQ070Y3LG05
7.0	WVGA	LQ070Y3DG3A	LQ070Y3LG05
7.0	WVGA	LQ070Y3DG3B	LQ070Y3LG05
7.0	WVGA	LQ070Y3DG3C	LQ070Y3LG05
7.0	WVGA	LQ070Y3LG02	LQ070Y3LG05
7.0	WVGA	LQ070Y3LG04	LQ070Y3LG05
7.0	WVGA	LQ070Y3LG4A	LQ070Y3LG05
7.0	WVGA	LQ070Y3LW01	LQ070Y3LG05
8.0	WVGA	LQ080Y3LW01	LQ080Y3LW01A
10.4	SVGA	LQ104S1DG2C	N/A
12.1	SVGA	LQ121S1DG81	LQ121S1LG88
12.1	SVGA	LQ121S1DG82	LQ121S1LG88
12.1	SVGA	LQ121S1LG79	TBD
12.1	SVGA	LQ121S1LG81	LQ121S1LG88
12.1	SVGA	LQ121S1LG81A	LQ121S1LG88
12.1	SVGA	LQ121S1LG84	LQ121S1LG88
12.1	SVGA	LQ121S1LG85	LQ121S1LG88
12.1	SVGA	LQ121S1LG86	LQ121S1LG88
15.0	XGA	LQ150X1LW12	LQ150X1LW95
15.0	XGA	LQ150X1LW15	LQ150X1LW95
15.6	FHD	LQ156M1LG21	LQ156M3xxxx or N/A
15.6	FHD	LQ156M1LG21K	LQ156M3xxxx or N/A
15.6	FHD	LQ156M3LW01	LQ156M3xxxx or N/A
15.6	FHD	LQ156M3LW01N	LQ156M3xxxx or N/A
23.1	UXGA	LQ231U1LW31	N/A
23.1	UXGA	LQ231U1LW32	N/A
27.0	WUVGA	LQ270M1LX01	N/A

# 3.5" QVGA LCD module

Tentative

**SHARP**  
Be Original.

## Features

- Wide viewing angle panel

## Schedule

- ES : available
- MP : 2020, Q4 (target)

<b>IPS mode</b>	<b>LQ035Q3DX01</b>
<b>Dot format</b>	<b>320 x 240 pixel</b>
<b>Pixel Pitch</b>	<b>0.219 x 0.219 mm</b>
<b>Active Area</b>	<b>70.08 x 52.56 mm</b>
<b>Outline Dimensions</b>	<b>76.9 x 63.9 x 3.15 mm</b>
<b>Viewing Angle (CR&gt;10)</b>	<b>Typ.LR160° /UD160°</b>
<b>Contrast ratio</b>	<b>Typ.800 : 1</b>
<b>Brightness</b>	<b>Typ.450cd/m<sup>2</sup></b>
<b>Backlight</b>	<b>LED B/L without LED Driver</b>
<b>Backlight lifetime</b>	<b>(TBD)</b>
<b>Color Number</b>	<b>16.77M</b>
<b>NTSC ratio</b>	<b>(TBD)</b>
<b>I/F</b>	<b>CMOS (8bit)</b>
<b>Operating Temperature</b>	<b>(-20~+70°C(Panel surface))</b>
<b>Storage Temperature</b>	<b>(-30~+80°C)</b>

Confidential



# Interface 3.5" QVGA LCD module

Interface Pins Definition

No.	Symbol	I/O	Function
1	K	P	Backlight power supply cathode
2	K	P	
3	A	P	
4	A	P	
5	NC	-	No connection
6	NC	-	
7	NC	-	
8	/RST	I	System reset pin. Internal pull high. Low enable
9	SPENA	I	Input enable pin of serial interface. Low enable
10	SPCK	I	Clock pin of serial interface.
11	SPDA	I	Data input pin in serial mode.
12	B0	I/O	Graphic Data Input Pins. R [7:0]: Red Data - 8-bit. G [7:0]: Green Data - 8-bit. B [7:0]: Blue Data - 8-bit.
13	B1	I/O	
14	B2	I/O	
15	B3	I/O	
16	B4	I/O	
17	B5	I/O	
18	B6	I/O	
19	B7	I/O	
20	G0	I/O	
21	G1	I/O	
22	G2	I/O	
23	G3	I/O	
24	G4	I/O	
25	G5	I/O	
26	G6	I/O	
27	G7	I/O	
28	R0	I/O	
29	R1	I/O	
30	R2	I/O	
31	R3	I/O	
32	R4	I/O	
33	R5	I/O	
34	R6	I/O	
35	R7	I/O	
36	LCD_HSYNC	I	Line synchronization signal
37	LCD_VSYNC	I	Frame synchronization signal
38	LCD_PCLK	I	Dot-clock signal and oscillator source
39	NC	-	No connection
40	NC	-	
41	VCC(3.3V)	P	
42	VCC(3.3V)	P	
43	NC	-	
44	NC	-	
45	NC	-	
46	NC	-	
47	NC	-	
48	NC	-	
49	NC	-	
50	NC	-	
51	NC	-	
52	DEN	I	Display enable pin from controller
53	GND	P	System ground
54	GND	P	

Note: I – Input ; O – Output ; P – Power/ground.

For more information, refer to the datasheet of this driver IC.

# 4.3" WQVGA LCD module

## Features

- 16.77M colors
- I/F 3.3V ,CMOS (8bit),40Pin
- needless SPI signals

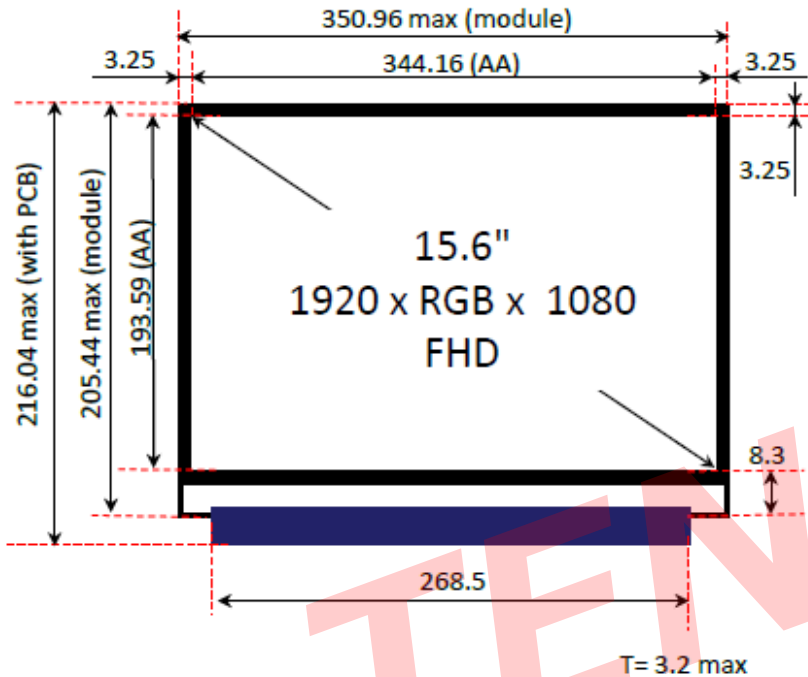
## Schedule

- ES :
- MP :

<b>TN</b>	<b>LQ043T1DGxx</b>
Dot format	480 x 272 pixel
Pixel Pitch	0.1980 x 0.1980 mm
Active Area	95.040 x 53.856 mm
Outline Dimensions	105.50 x 67.20 x 3.20 mm
Viewing Angle (CR>10)	Typ.LR160° /UD140°
Contrast ratio	Typ.500 : 1
Brightness	Typ.400cd/m <sup>2</sup>
Backlight	LED B/L without LED Driver
Backlight lifetime	(T.B.D)
Color Number	16.7M
NTSC ratio	50%(typ.)
I/F	3.3V ,CMOS (8bit),40Pin
Operating Temperature	-20~+70°C(Panel surface)
Storage Temperature	-30~+80°C

# 15.6" FHD LCD module

## Drawing



## Schedule

- ES:
- MP:

IPS mode	LQ156M1JWxx
Dot format	1,920 x 1,080 pixel
Pixel Pitch	0.17925 x 0.17925 mm
Active Area	344.16 x 193.59 mm
Outline Dimensions	(350.96 x 205.44 x 3.2 mm) (w/o PCB)
Viewing Angle (CR>10)	(Typ.LR170° /UD170°)
Contrast ratio	(Typ.1,000: 1)
Brightness	(Typ.300cd/m <sup>2</sup> )
Backlight	LED BL with LED driver
Backlight lifetime	(Typ.15,000 h)
Color Number	16.77M
NTSC ratio	(72%)
I/F	e-DP1.2 (8bit)
Operating Temperature	0~+50°C (Panel surface)
Storage Temperature	-25~+60°C