To: DISTEC



Engineering Change Notice (T-55265GD057J-LW-AFN)

2022/8/15
KYOCERA Corporation
Corporate Display Group
Display Engineering Division
Product Engineering Department

Approved	Checked	Prepared	
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Summary



Thank you for your continued support.

For the following reasons, we will apply for a change in the materials used in our products that are currently being mass-produced.

We apologize for the inconvenience, and thank you for your understanding.

1. Applicable Product

T-55265GD057J-LW-AFN

2. Background

The supply of materials used in this product continues to be tight due to extremely strong demand, especially electronic components. Under such circumstances, we have decided to change those components in order to continue stable supply in the future. Details will be explained on the following pages.

3. Schedule

Sample shipment : August, 2022

Approval request : September, 2022

Planned change in : Notify applicable lot separately



For the 5.7inch QVGA [T-55265GD057J-LW-AFN] for your company, we will explain the specifications of the Renewal product that we are proposing this time below.

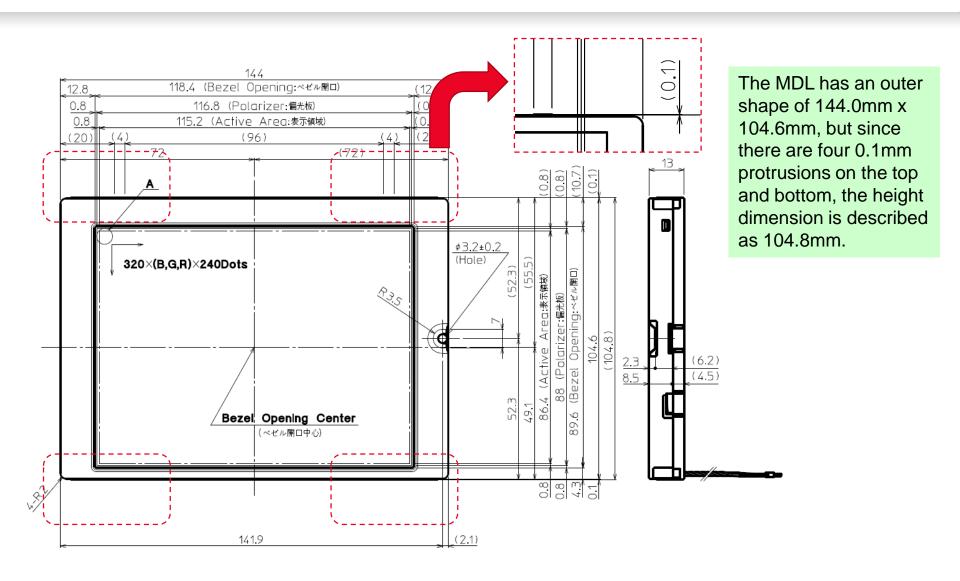
Specification comparison list		T-55265GD057J-LW-AFN [Current product]	T-55265GD057J-LW-ALN [New product]	
TFT Supplier		А	В	
	Location	Taiwan	Taiwan	
Polarizer		С	D	
Driver IC		Е	F	
PCB	Board	G	Н	
	Assembly	Ι	Kyocera China factory	
	Mounting components	For stable supply in the future, we will downsize capacitors and resistors, and change have an old release time and are uncertain about supply to the latest parts.		
FPC		J	К	
Backlight		L	Kyocera China factory	



	ication arison list	T-55265GD057J-LW-AFN [Current product]	T-55265GD057J-LW-ALN [New product]
	Polarizer	AG Coating	Glare treatment
	Interface	CMOS	←
	Outline dimensions	144.0(W)x104.6(H)x13(D) mm Projection not included.	144.0(W)x104.8(H)x13(D) mm Projection not included.
SI	Base color	Normally White	←
Product Specifications	Operating temperature	-20∼70℃	←
	Storage temperature	-30~80℃	←
	Supply voltage (LCD)	Typ. 3.3V	←
Ā	Current consumption (LCD)	Typ. 100mA	Typ. 60mA
	LED Forward current	60mA/Line	←
	LED Forward voltage	Typ. 12.4V/Line (IF=60mA, Ta=25℃)	Typ. <mark>11.6V</mark> /Line (IF=60mA, Ta=25℃)
	Operating life time	Typ. 70,000hr (IF=60mA, Ta=25℃)	←

New product outline dimensions

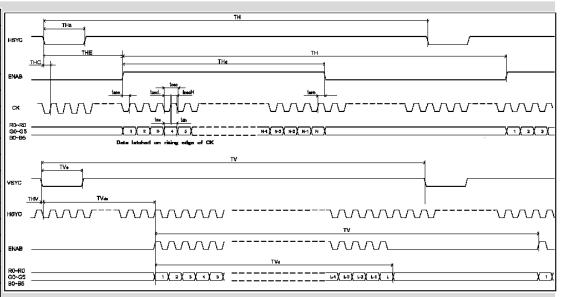






T-55265GD057J-LW-AFN [Current product]

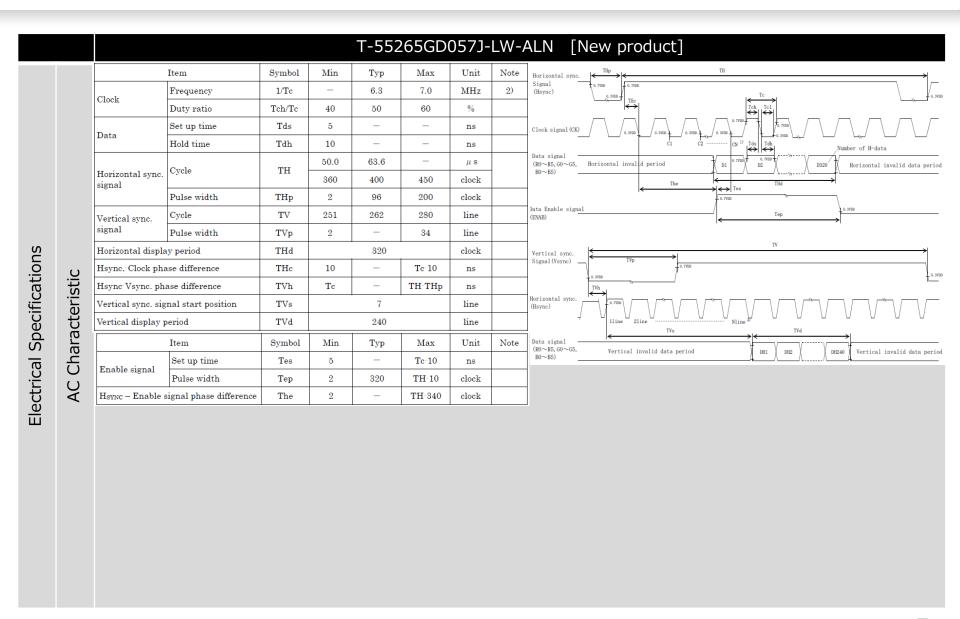
Parameter	Symbol	Min.	Тур.	Max.	Units
CK Frequency	1/tosc	-	6.4	-	MHz
CK Period	tosc	-	158	-	ns
CK High Pulse Width Time	toscH	12	-	-	ns
CK Low Pulse Width Time	toscL	12	-	-	ns
CK Pulse Duty ratio	toscH/ tosc	-	50		%
Data Setup time	tds	12	-	-	ns
Data Hold time	tdh	12	-	-	ns
LIDVO (Hari-antal Organ) Classel Organ	T.,	-	62.8	-	μ8
HSYC (Horizontal Sync.) Signal Cycle	TH	-	408	450	clk
HSYC Pulse Width	THs	5	30	-	clk
Horizontal Display Term	THa	-	320	-	clk
ENAB Setup Time	tens	12	-	-	ns
ENAB Hold Time	tenh	12	-	-	ns
VSYC (Vertical Sync.) Signal Cycle	TV	-	262	350	Line
VSYC Pulse Width	TVe	1	3	5	Line
Vertical Display Term	TVd		240		Line
Vertical Display Start	TVds	-	18		Line
HSYC-ENAB Phase Differrence	THE	-	68	-	clk
HSYC-CK Phase Difference	THC	12	-	-	ns
HSYC-VSYC Phase Difference	THV	1			clk



AC Characteristic

Electrical Specifications







Specification comparison list			T-55265GD057J-LW-AFN [Current product]	T-55265GD057J-LW-ALN [New product]
		Rise	21ms	10ms
	Response time	Down	10ms	25ms
	Brightness (Center of o	display)	500cd/m ²	←
	Contrast ratio		350	←
Optical specifications (Typ.)	Viewing angle range CR>5	Upper	70deg	←
ions		Lower	70deg	←
ificat		Left	70deg	←
l spec		Right	70deg	←
ptica	Optimal viewing angle		6 o'clock	←
0	Chromaticity coordinates	Red	0.630, 0.350	0.625, 0.360
		Green	0.310, 0.590	0.330, 0.605
		Blue	0.140, 0.120	0.150, 0.090
		White	0.320, 0.360	0.305, 0.335



Specification comparison list		T-55265GD057J-LW-AFN [Current product]		T-55265GD057J-LW-ALN [New product]
	Connector	08-6260-033-340-829	+	IMSA-9632S-33Z02-GFN4
LCD Interface	Pin assignment	No. Symbol 1 GND Power Supply (0) 2 CK Clock Signal 3 HSYC Horizontal Sync Inp 4 VSYC Vertical Sync Inp 5 GND Power Supply (0) 6 R0 Red Data Signal 7 R1 Red Data Signal 8 R2 Red Data Signal 10 R4 Red Data Signal 11 R5 Red Data Signal 12 GND Power Supply (0) 13 G0 Greeen Data Signal 14 G1 Greeen Data Signal 15 G2 Greeen Data Signal 16 G3 Greeen Data Signal 17 G4 Greeen Data Signal 18 G5 Greeen Data Signal 20 B0 Blue Data Signal 21 B1 Blue Data Signal 22 B2 Blue Data Signal 23 B3 Blue Data Signal	nput ut t, GND) A, GND) all all all all bal colors d, GND) d. GND) d. GND) d. Control Logic Logic	



Specification T-55265GD057J-LW-AFN [Current product]		T-55265GD057J-LW-ALN [New product]			
	Connector	CN2	: SHLP-06\	/-S-B (JST)	←
	Pin assignment	CN2			←
		No.	Symbol	Functional Discription	
		1	Anode 1	LED Anode Terminal	
ā		2	Anode 2	LED Anode Terminal	
ä.		3	Anode 3	LED Anode Terminal	
D		4	Cathode 1	LED Cathode Terminal	
5 Cathode 2 LED Cathode Terminal					
I		6	Cathode 3	LED Cathode Terminal	
LED Interface					

Revision History



Rev	Mark	Name	Date	Contents
00	None	M. Nakada	2022/8/15	Initial release
01	A			
02	<u>A</u>			
03	A			

THE NEW VALUE FRONTIER



KYOCERA Corporation