

# Description of Permissive Change

The application is prepared for FCC class II permissive change for below reasons:

## 1. Changing LCD part EOL

02/18


### Applicable LCD & Change point

**No change in outline dimension and electric circuit**

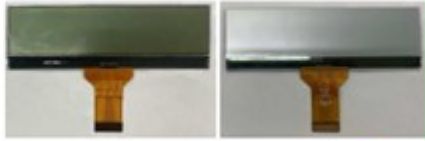
■ Applicable LCD & Change points

No.	LCD	Project	Item	Change point (Please see next page for details.)		
				Current LCD		Alternative LCD
(1)	LSDYAYY00104	YCA YE3 Y1K YNC	① LCD maker	Nippon seiki	→	JHD
			② LCD type	FSTN	→	ASTN
			③ LCD IC driver	Sitronix	→	UltraChip

Current LCD Nippon seiki



Alternative LCD JHD



**Outline dimension & FPC pin same no need to modify PCB and mechanical part**

Items	Before	After	Remark
Panasonic Part no.	LSDYAYY00104	LSDYAYY00104	Different
Partner Part number	M0765AB	8808M07022CW	Different
LCD type	Positive	Positive	Same
View angle	55°	45°	Different
Resolution	Seg 256 x com 50	Seg 256 x com 50	Same
Operating Temp	-30°C to +80°C	-30°C to +80°C	Same
Driver IC (Inside LCD module)	ST7598-G2-B1 (4 lines interface)	UC1618T(COG)	Different
Supply Voltage	Type : 3.3V	Type : 3.3V	Same
Consumption Current	Type : 4.5mA Max : 8mA	Type : 2mA Max : 3mA	Different
Duty	1/64	1/50	Different
Bias	1/9	1/9	Same
Operating Frequency	Type : 228Hz	Type : 64Hz	Different
ESD ( Air discharge )	Max +15KV	Max +15KV	Same
ESD HBD	Max +2KV	Max +2KV	Same

## 2.Reducing main PCB size

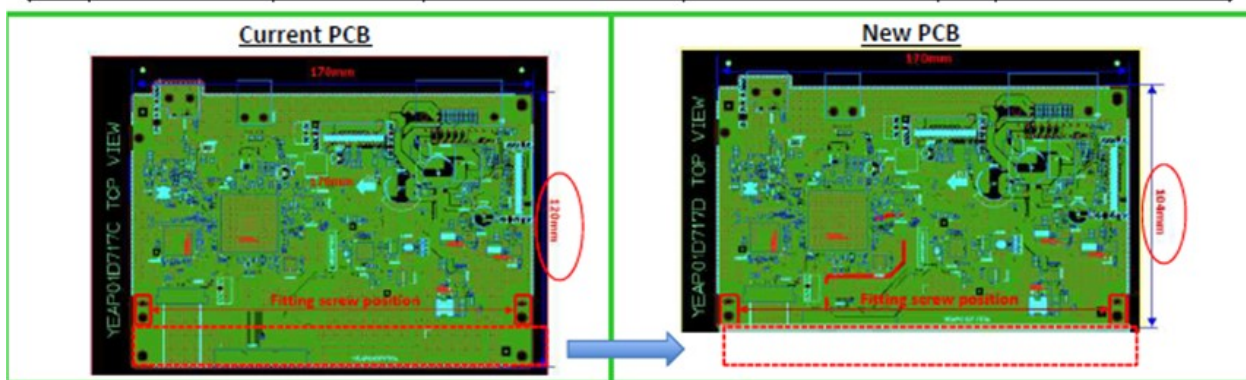
## Applicable MAIN PCB & Change point

100

Outline dimension change not impact with product performance and quality

■ Applicable PCB & Change points

No.	PCB	Project	Items	Change point (Please see next page for details.)		
				Current PCB		New PCB
(1)	YEAP01D717C	YCA YE3 Y1K YNC	① PCB maker	Meiko	→	Olympic
			② PCB size	170 X 120mm	→	170X104mm
			③ PCB material	FR-4-86	→	FR-4-86



3. Adding one model:CQ-RZNBA0NT

The original grant date is 01/31/2019.

Regards,

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