Ref. No. LC22119R10
Date 2022.01.20

Subject: Notice of design Change for LQ084S3LG03

Thank you very much for your use of our LCD Modules.

Please be informed that the design of our LQ084S3LG03 will be changed as follows.

・Model :	LQ084S3LG03
・Content :	The production plant of a LCD panel is changed. The material of the cover is changed. The thickness of Tape is changed.
・Reason :	Stable supply of LCD module
・Schedule :	Sample : 2022/02～ RTR : 2022/05～ Approval : 2022/06～ MP : 2022/10～
・Specification and reliability :	There is no change in the reliability and specification.
・ Others :	Please refer to table ①.

Please do not hesitate to contact us on this matter by 2022/2/18, if you need assistance and Sample etc .

Your continued co-operation and assistance will be highly appreciated.

<Inquiry>:
Sales & Marketing Division, BUSINESS UNIT VI, BU,
SHARP DISPLAY TECHNOLOGY CORPORATION

Sincerely yours.

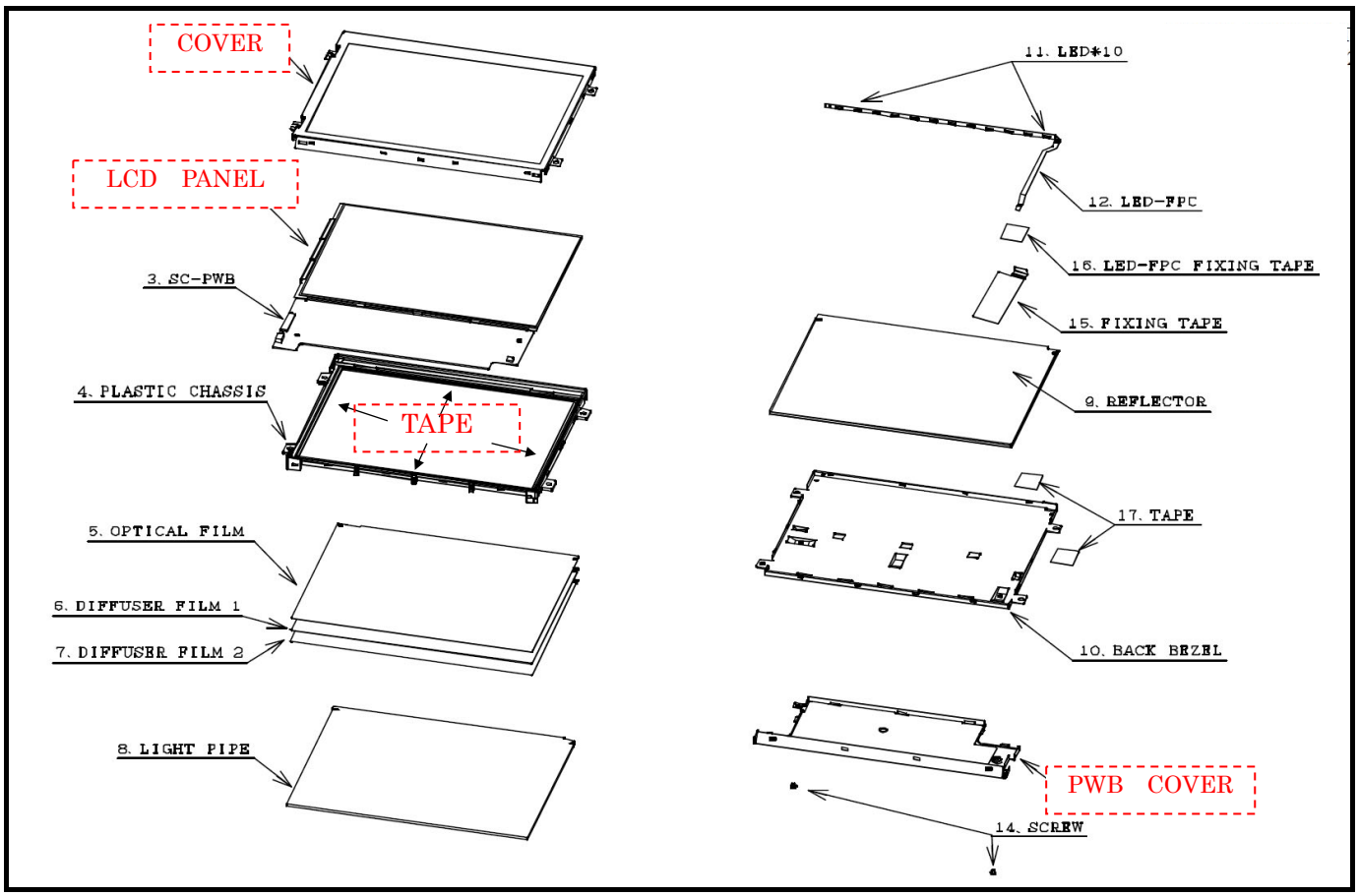
H. Fujimoto
DIVISION MANAGER
DEVELOPMENT DIVISION
BUSINESS UNIT VI BU
SHARP DISPLAY TECHNOLOGY CORPORATION

Customer's Approval

Date_____
By _____

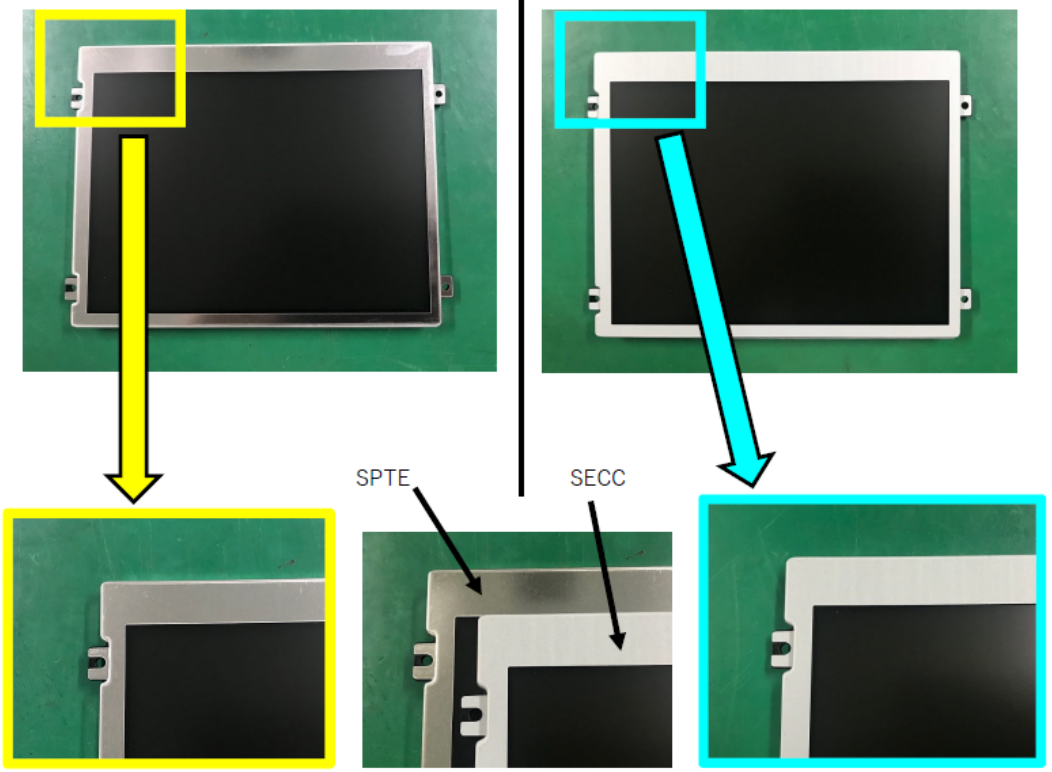
Table①

<Changed parts>

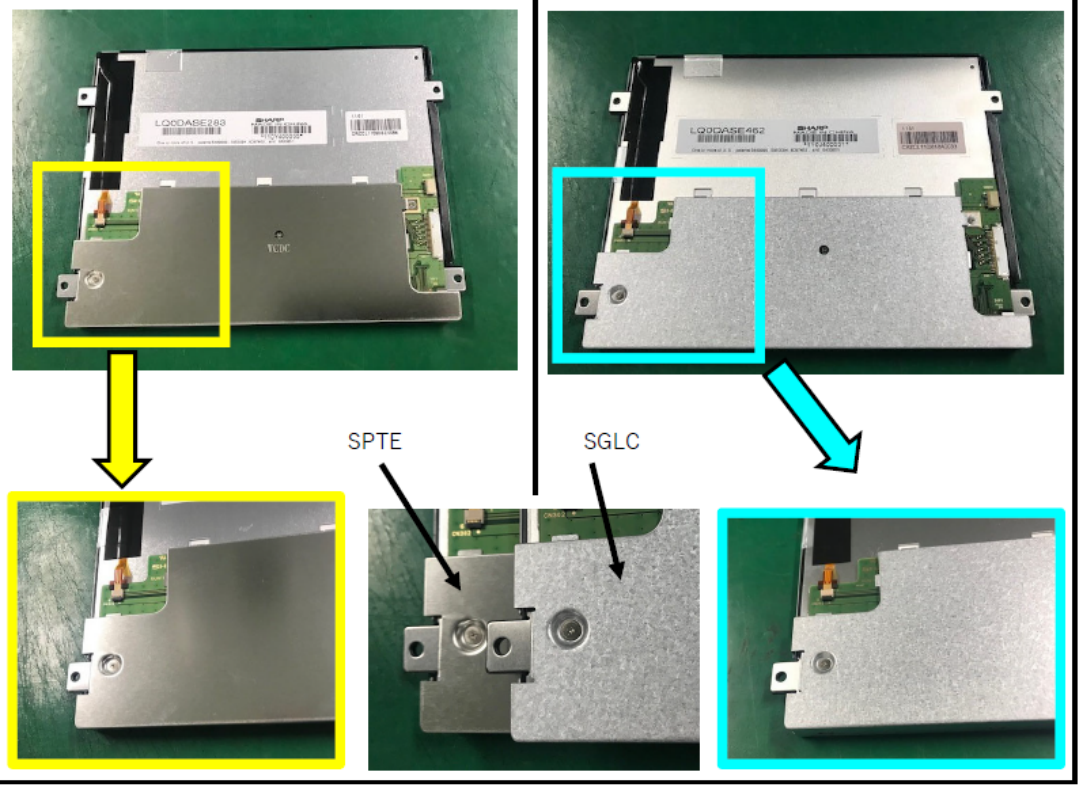


		Current	After
LCD PANEL	Production plant	TAKI) 2nd factory	TAKI) 3rd factory
	Thickness of the panel	0.7mm+0.7mm	0.5mm+0.5mm
TAPE	Thickness	0.085mm	0.30mm

◆COVER

	CURRENT/現行	CHANGE/変更後
TYPE	SPTE/プリキ	SECC/電気亜鉛メッキ鋼板
APPEARANCE /外観		

◆PWB　COVER

	CURRENT/現行	CHANGE/変更後
TYPE/材料名	SPTE/プリキ	SGLC/溶融アルミメッキ鋼板
APPEARANCE /外観		

＜Measured data＞

Ⅰ. Viewing angle range

	SPEC			current	after	UNIT	NOTE
	Min	Typ	Max	n=3 Ave	n=3 Ave		
right(θ21)	50	65	—	80over	80over	deg	CR＞10
left(θ22)	50	65	—	80over	80over	deg	
top(θ11)	45	60	—	80over	80over	deg	
bottom(θ12)	40	55	—	80over	80over	deg	

Ⅱ. Contrast ratio

	SPEC			current	after	UNIT	NOTE
	Min	Typ	Max	n=3 Ave	n=3 Ave		
optimized angle	300	450	—	794	725		

Ⅲ. Response Time

	SPEC			current	after	UNIT	NOTE
	Min	Typ	Max	n=3 Ave	n=3 Ave		
τr＋τd	—	35	—	32.8	34.9	ms	

Ⅳ. Chromaticity

		SPEC			current	after	UNIT	NOTE
		Min	Typ	Max	n=3 Ave	n=3 Ave		
White	x	0.263	0.313	0.363	0.299	0.300		
	y	0.279	0.329	0.379	0.321	0.332		

Ⅴ. Luminance of white

	SPEC			current	after	UNIT	NOTE
	Min	Typ	Max	n=3 Ave	n=3 Ave		
center of the screen.	–	330	—	334	328	cd/m^2	

Ⅵ. White Uniformity

	SPEC			current	after	UNIT	NOTE
	Min	Typ	Max	n=3 Ave	n=3 Ave		
5point(Max/Min)	–	—	1.33	1.06	1.05		

Ⅶ. Current dissipation

	SPEC			current	after	UNIT	NOTE
	Min	Typ	Max	n=5 Ave	n=20 Ave		
All black	–	—	—	277	288	mA	Vcc=3.3V
All white	—	—	—	251	268		
Ggray scale	—	300	380	286	280		

Ⅷ. Mass

	SPEC			current	after	UNIT	NOTE
	Min	Typ	Max	n=3 Ave	n=3 Ave		
MASS	–	—	320	318.7	298.2	g	

Ⅸ. Outline

	SPEC			current	after	UNIT	NOTE
	Min	Typ	Max	n=3 Ave	n=3 Ave		
X	199.0	199.5	200.0	199.22	199.19	mm	
Y	153.5	154.0	154.5	154.09	154.05	mm	
Z		11.6	12.0	11.60	11.58	mm	

※There is a special quality beyond equality, and I'll judge to be no problem.