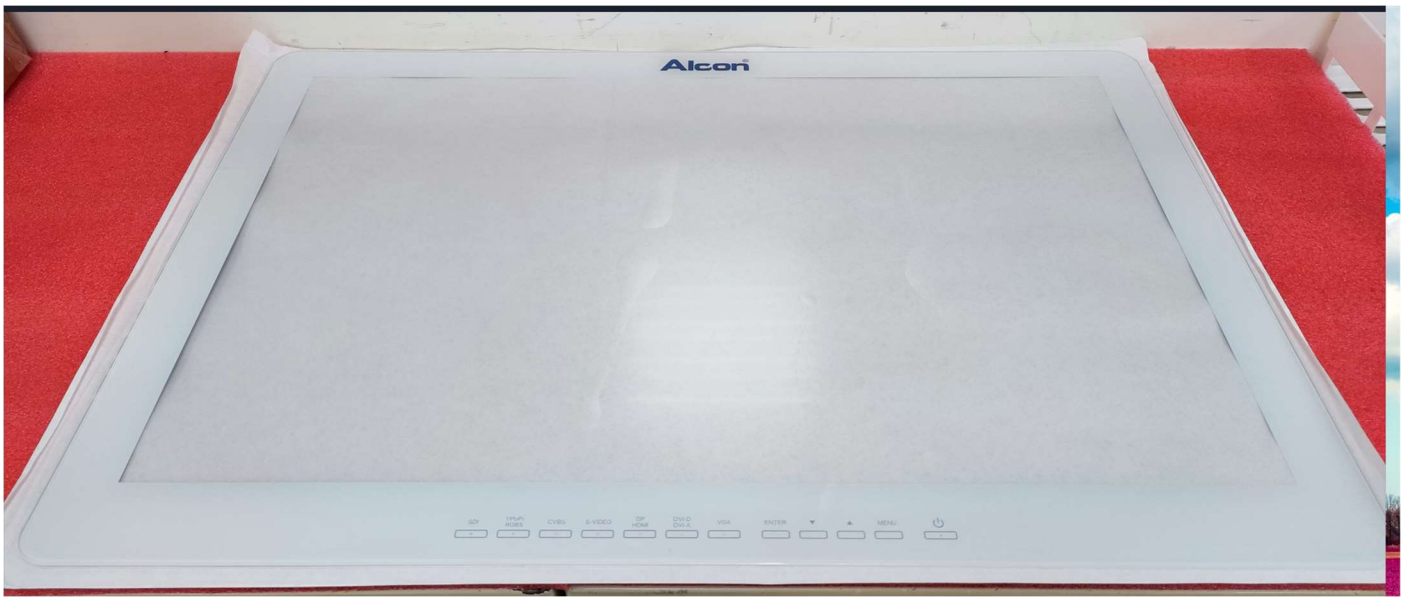
*圖面清晰版,在最後一頁







設計驗證
工程課
2024-08-30
發行
鈺鐘科技開發股份有限公司

HONY HONY GLASS TECHNOLOGY CO., LTD.

規格承認書
SPECIFICATION FOR APPROVAL

CUSTOMER 客戶	:	鈺緯科技開發股份有限公司
Commodity Description 品名	:	AR+AF Coating Chemical Strengthened Glass 平板抗反射抗污化學強化玻璃
Size 規格	:	3.0mm CS/AR+AF × 582.4mm × 398.2mm
HONY Code 宏益料號	:	K-0074-CAG-013-C
Item No. 客戶料號	:	3MD626G1030 (M3454)
Date 日期	:	2024-08-30
Data 包含資料	:	1 Checking Environment 檢驗環境圖 2 Specification 產品規格書

It is regarded to accept SPEC if we do not receive the feedback in seven days, and the deadline is based on the date which signed by creator.

規格書請於七天內簽回，如未簽回，視同承認。

CUSTOMER 客戶簽名
設計驗證 工程課 2024-08-30 發行 鈺緯科技開發股份有限公司

Sales 營業		**Q.E. 品工**		**Q.A. 品保**	
Approved 核准	**Undertaken 承辦**	**Approved 核准**	**Undertaken 承辦**	**Approved 核准**	**Undertaken 承辦**
汪良鈺	曾文妍	張竺君	周准甄	鄭育帆	張娉婷
2024-08-30	2024-08-30	2024-08-30	2024-08-30	2024-08-30	2024-08-30

No.141, Ting Ping Road, Rei Fang Industrial Park, 22452 New Taipei City, Taiwan
TEL: 886-2 2497 1101 FAX: 886-2 2496 8032

Customer	鈺緯科技開發股份有限公司	HONY Code	K-0074-CAG-013-C
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		Date	2024-08-30
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Dept.	Q.A.	Date	2024-08-30	Issued By	張娉婷
Approved Date 日期	Version 版本	Revision Description 修訂內容			
2024.07.09	1.0	Standard making.			
2024.08.30	2.0	Update the customer drawing.			

Customer	鈺緯科技開發股份有限公司	HONY Code	K-0074-CAG-013-C
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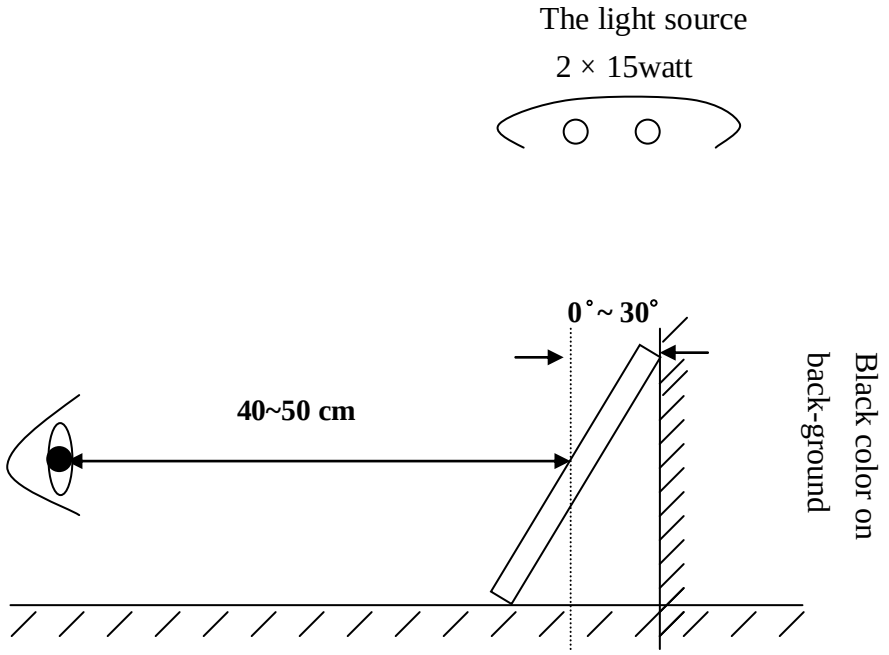
Checking Environment 檢驗環境

Content 項目	Standards 標準
Brightness of environment 環境照度	1000~1200 Lux
Distance from inspector 檢驗距離	40~50 cm between glass and inspector's eyes
Checking angle 檢驗角度	0˚~ 30˚ for the direction of glass
Inspection time 檢驗時間	15~20 sec.



Customer	鈺緯科技開發股份有限公司	HONY Code	K-0074-CAG-013-C
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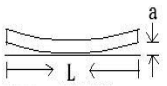
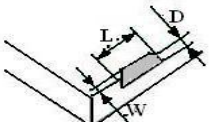
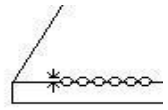
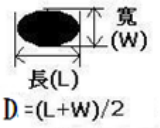
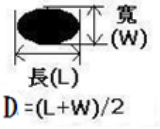
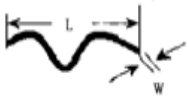
Inspection Content 檢驗項目	Standards 檢驗標準	Remark 備註 Equipment /Description/ Graphic 說明圖示/檢驗設備	
Thickness/tolerance 厚度/公差	3.0mm (+0/-0.3 mm), AR+AF Coating	-	Vernier caliper
Size /tolerance 尺寸/公差	582.4mm × 398.2mm (±0.3mm)	-	Vernier caliper
Warpage 彎曲	a≦1.0mm		Feeler gauge granite
Chip on edges 裂角 /崩邊	L≦0.5mm, W≦0.5mm, D≦1/2t: unlimited		10x magnifier
Chipping 毛邊	Having corrugated folds continuously on the edge. D≦0.15mm: unlimited		10x magnifier
Fissure 裂痕	Not allowed		10x magnifier
Dot defects 點狀(含氣泡/雜質/異物/壓擦傷/黑白點/凹凸點/髒汙)	D≦0.3mm: unlimited 0.3mm＜D≦0.5mm: N≦7pcs (DS＞80mm) 0.5mm＜D≦1.0mm: N≦4pcs (DS＞80mm) D＞1.0mm: NG		10x magnifier
Adhered Glass 玻璃屑	D≦0.2mm: unlimited D＞0.2mm: NG		10x magnifier
Linear defect 線狀缺點 (含刮傷/鍍膜毛屑)	W≦0.08mm: unlimited L≦20mm, 0.08＜W≦0.1mm, N≦7pcs (DS＞80mm) L≦10mm, 0.1＜W≦0.15mm, N≦4pcs (DS＞80mm) W＞0.15mm: NG		10x magnifier
DOL (Depth of layer)	≧8μm	-	Orihara FSM-6000

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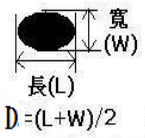
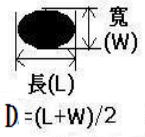
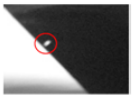
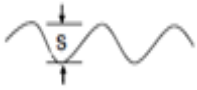
Inspection Content 檢驗項目	Standards 檢驗標準	Remark 備註 Equipment /Description/ Graphic 說明圖示/檢驗設備	
CS (Compressive Stress)	≧300MPa	-	Orihara FSM-6000
Dot defects of coating 鍍膜點狀 (含 AR 雜質、暈點、亮點)	D≦0.3mm: unlimited 0.3mm＜D≦0.5mm: N≦7pcs (DS＞80mm) 0.5mm＜D≦1.0mm: N≦4pcs (DS＞80mm) D＞1.0mm: NG		10x magnifier
Printing 印刷	according to customer's drawing	-	visual
Impurities on Printing 印刷雜質	D≦0.3mm: unlimited 0.3mm＜D≦1.0mm: N≦7pcs (DS＞80mm) D＞1.0mm: NG		10x magnifier
Pin hole on printing 印刷針孔	D≦0.2mm: unlimited 0.2mm＜ D≦0.5mm: N≦7pcs ((DS＞80mm) D＞0.5mm: NG (Refill ink is acceptable.)		10x magnifier
Saw edge on printing 印刷鋸齒	S≦0.2mm: unlimited		10x magnifier
Adhesion test for printing 印刷附著測試	≧4B	ASTM D3359	Pen knife Guide to cut gauge 3M #600 tape
Alcohol wipe test for Printing 印刷酒精測試	Wipe printing area for 100 times with the pure alcohol of 99.5%. Qualified in case of no any ink off, Un-qualified in case of ink off.	-	alcohol Clean cloth
Transmission rate 穿透率	Visible wavelength 400nm~700nm, T%≧96%	CNS12381	HITACHI UH-4150
Reflection rate 反射率	Visible wavelength 400nm~700nm, T%≦2%	CNS12381	大塚 MCPD-3000

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Inspection Content 檢驗項目	Standards 檢驗標準	Remark 備註 Equipment /Description/ Graphic 說明圖示/檢驗設備	
Water drop contact angle 水滴接觸角	Non-printing surface AF treatment, water droplet contact angle ≧100˚	-	CAM-120
Hardness (viewer side) 表面硬度	AR+AF surface,≧6H	765g	Pencil Hardness Tester
Dirt 髒污	must be removed easily by wiping	-	visual
Remark 備註	1.Storage Condition: 25℃(±10℃), 0-60% humidity, packed in good condition. 2.Storage Period: Not longer than 1 month after in-coming date. 3.Products are free from Hazardous substances or materials. 4.Test quantity: 5pcs for the order more than 5pcs, each piece for the order of 5pcs or less. 5.Inspection standard: ANSI/ASQC Z1.4, Sampling condition: S-4, AQL: 0.65%		

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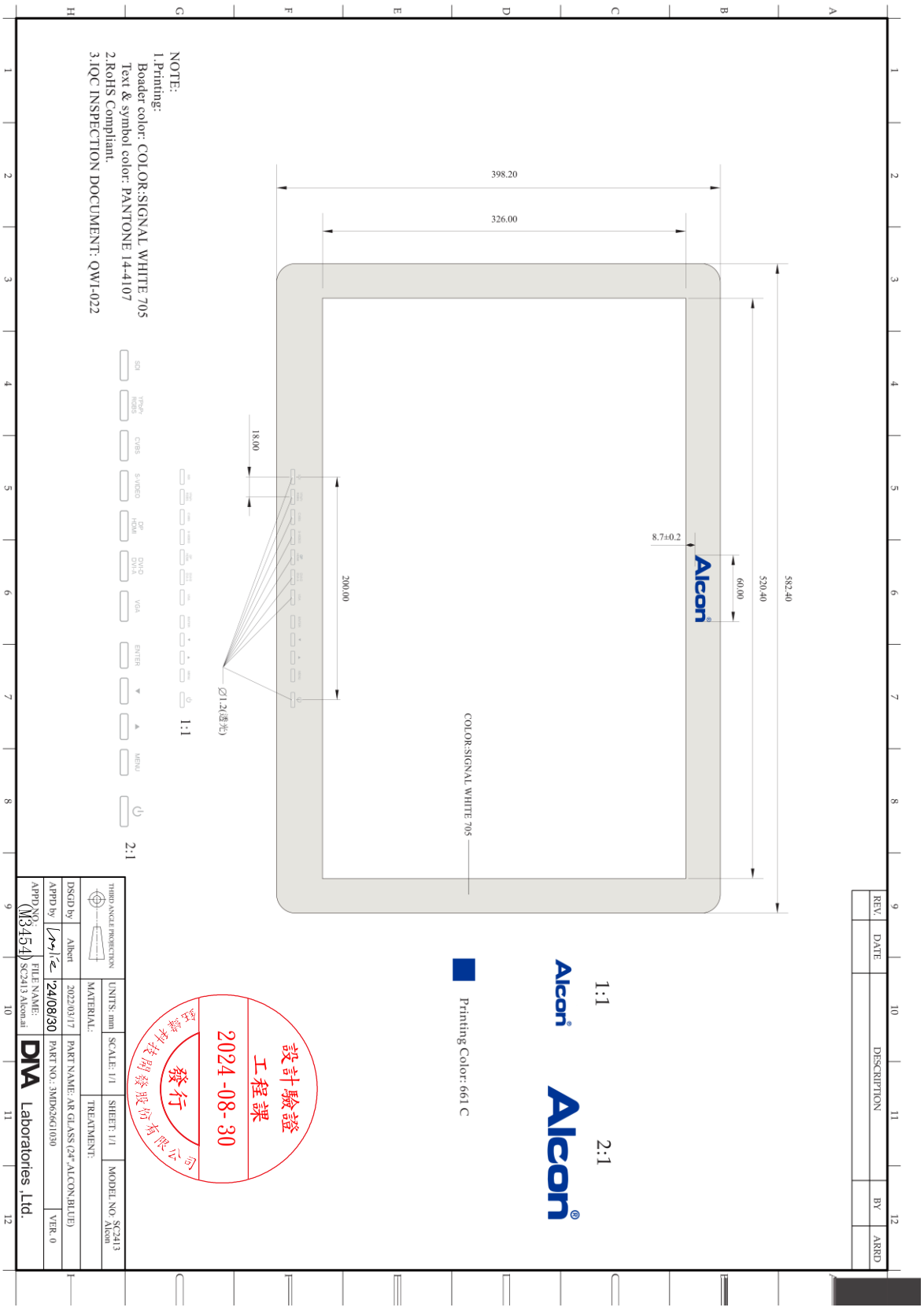
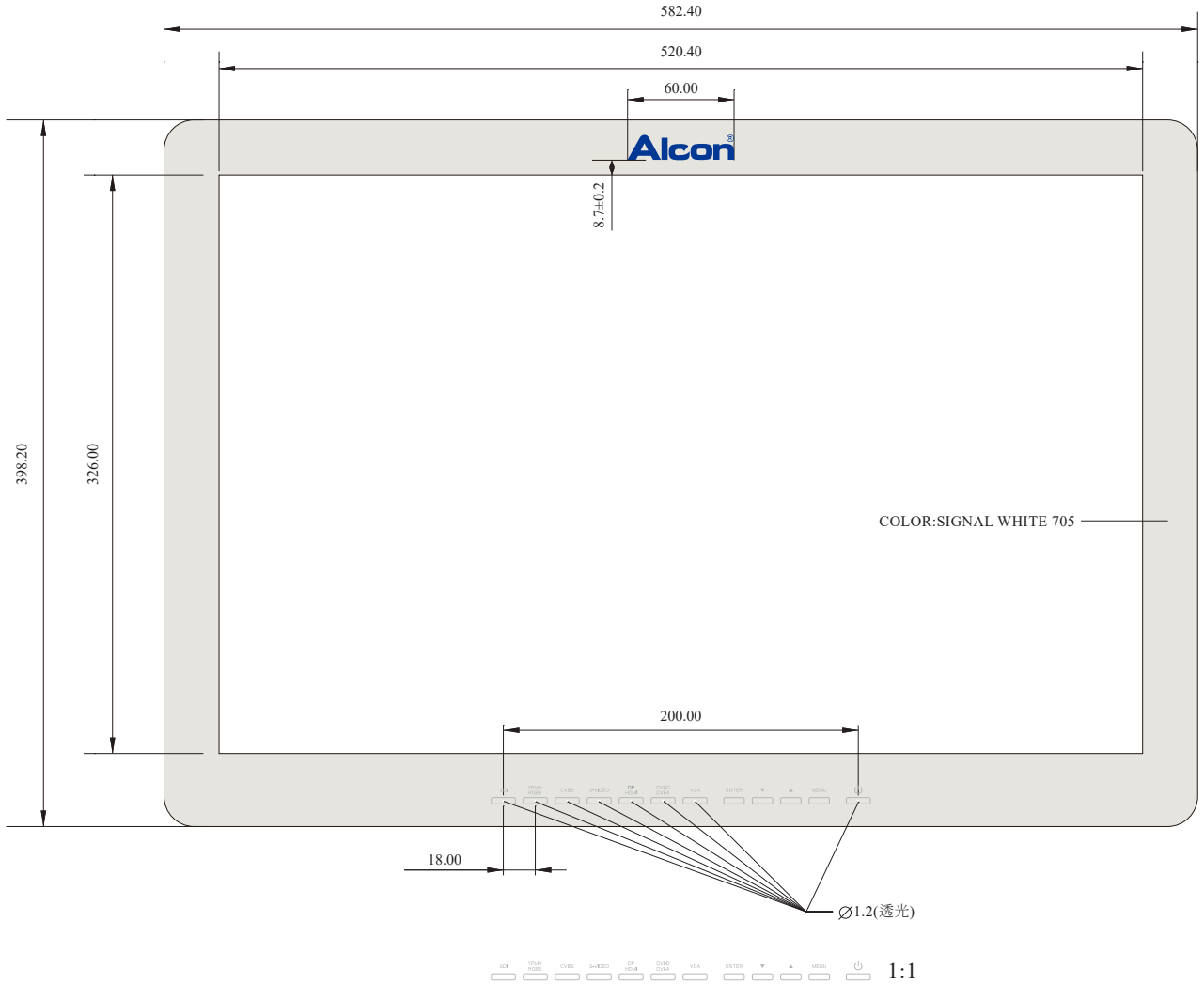


REV.	DATE	DESCRIPTION	BY	ARRD



1:1

2:1



1:1

Alcon

2:1

Alcon

Printing Color: 661 C

設計驗證
工程課
2024 -08- 30
發行
旺鏈科技開發股份有限公司

NOTE:
1.Printing:
Boader color: COLOR:SIGNAL WHITE 705
Text & symbol color: PANTONE 14-4107
2.RoHS Compliant.
3.IQC INSPECTION DOCUMENT: QWI-022

THIRD ANGLE PROJECTION	UNITS: mm	SCALE: 1/1	SHEET: 1/1	MODEL NO: SC2413 Alcon
	MATERIAL:		TREATMENT:	
DSGD by Albert	2022/03/17	PART NAME: AR GLASS (24",ALCON,BLUE)		
APPD by	2024/08/30	PART NO.: 3MD626G1030		VER. 0
APPD NO.:	FILE NAME: SC2413 Alcon.ai	DIVA Laboratories ,Ltd.		