DIVA Labs.

ECR (Engineering Change Request)

ok

Proposed Change：	☐1. Design modification 設計修改 ☐2. Material change 材料變更 ☐3. Manufacturer change 製造商變更 ☐4. Factory change 工廠變更 ☐5. Process sequency change 工序變更 ☐6. Equipment / Tooling change 設備 / 模具變更 ☐7. Process / Method / Condition change 加工流程/方法 / 條件變更 ☐8.Add second source 新增替代料 ■9. Others 其他： Delete second source	**Initiator：** Kevin_Peng [redacted] 0422 1120
Reason for Change：	The Alternative material (2nd): 3KC00001861 cannot be used with ST1912X-TP v2.	**EC No：** EC26040301
Model / Part No.：	ST1912X-TP v2/1A2A19273208900	**Issue Date：** 2026/4/16 **Requester Dept.：** DV11R011
Implementation Type：	■1. Immediately Change 立即切換 ☐2. Running Change 自然切換 ☐3. Other 其他：	**Customer Approval：** (confirmed by PM) ☐ Needed ■ Not needed

Material Change Description（Please add pages as needed if the provided space is insufficient.）
物料變更說明（如不敷使用請逕行增頁）

No.	Subassembly		Part No.	Description	Q'ty	Location	Stock	Remark
1	2AAD7150011	B	3KC00001861	RS232 CABLE (1.8M,BLACK,GL)	1		94	1st: 3KC0000185B Del 2nd
		A						
		B						
		A						
		B						
		A						

Comments 會簽意見

刪除 3KC00001861，僅保留 3KC0000185B
Terry 4/17

5A2A19273208900 於 RD Mail 修正

R&D		Department 會簽部門								Approval
Initiator	Initiator's Direct Supervisor	DQE	PM	Sales	PE	PMC	SCM	PD	QA	R&D Director
Kevin_Peng 0416 1100	Michael 0416 1120 Lewis 0416 1110	[signature] 0416 1110	[signature] 0416 1112	Estela 0416 1120	[signature] 0416 1120	Terry 0417 1000 [signature] 0417	[signature] 4/17	[signature] 0417 0850 Joanne 0416 1720	[signature] 0417 [signature] 0421	Michael 0422 0950

ECR (Engineering Change Request)

Engineering Change Assessment Item List 工程變更評估項目清單			
Document	Confirm	Authorized Dept.	Remark
1. Application for Revision of Specification or Drawing(s) for delivery 是否有修改交貨的規格或圖面	☐Yes ■No need	RD	無影響
2. Standards or Regulatories Impact 是否有評估適用之標準或主管機關之相關法規的申請	☐Yes ☑No need	DQE	無影響
3. Change point of PCB mounting PCBA插件位置是否變更	☐Yes ■No need	RD	無影響
4. PCBA Process Changes PCBA製程是否變更	☐Yes (Continue checking below) ☑No	PE	無影響
4-1) Change of Reflow temperature 迴焊溫度是否變更	☐Yes ☐No need		
4-2) Change of bonding temperature 膠合溫度是否變更	☐Yes ☐No need		
4-3) Change of Manual Soldering temperature 人工手焊工具之溫度是否變更	☐Yes ☐No need		
4-4) Change of storage condition after protection humidity package 防潮包裝完成後的儲存條件是否變更	☐Yes ☐No need		
5. Reliability test report (Test result and data) 是否有可靠性測試報告（測試結果及數據）	☐Yes ☑No need	DQE	無影響
6. Process FMEA（Medical only） 是否有進行製程失效模式與效應分析	☐Yes ☑No need	PE	無影響
7. Design FMEA（Medical only） 是否有進行設計失效模式與效應分析	☐Yes ■No need	RD	無影響
8. Risk Management（Medical only） 是否有進行風險管理評估	☐Yes ■No need	RD	無影響
9. Change points due to the modification 是否此修改會延伸導致其他變更點	☐Yes ■No need	RD	無影響

ECR (Engineering Change Request)

Engineering Change Assessment Item List
工程變更評估項目清單

Document	Confirm	Authorized Dept.	Remark
10. Initial Supply Control implements plan or result. 是否有實施供料控制評估	☑Yes ☐No need	PMC	
10-1) Confirm the work order or order number or date for the implementation start of the engineering change. 確認工程變更開始實施之工單或訂單號碼或日期。	☑Yes ☐No need		
10-2) Coordinate the handling methods for related products and materials. 協調相關產品及材料處理方法。	☑Yes ☐No need		
10-3) Arrange the production schedule. 處理生產日程之安排。	☑Yes ☐No need		
10-4) Control the changed materials. 變更材料之管制。	☑Yes ☐No need		
10-5) Establish relevant execution control records for EC materials, register traceability data for each material. 建立有關工程變更物料之相關執行管控記錄、登錄各項物料追溯性資料。	☑Yes ☐No need		BOM 刪除 3KC0001861 保留 3KC0001858 Temp 4/17
11. Training Requirement 若此一變更影響製程或檢驗，是否需要再做人員訓練	☐Yes ☑No need	PE	無影響
12-1. Modification contents (For example, the following documents) 是否有評估此變更之各項相關文件（如下） ☐ QC control plan ☐ Service Manual ☐ Others	☐Yes ☑No need	QA	無影響
12-2. Modification contents (For example, the following documents) 是否有評估此變更之各項相關文件（如下） ☐ SIP ☑ SOP ☐ Others	☑Yes ☐No need	PE	
12-3. Modification contents (For example, the following documents) 是否有評估此變更之各項相關文件（如下） ☑ MDF ☑ DMR ☐ Approval Sheet ☐ Engineering Spec ☐ Others	☑Yes ☐No need	RD / DQE	

kevin_peng

寄件者: kevin_peng <kevin_peng@diva.com.tw>
寄件日期: 2026年4月15日星期三 下午 4:39
收件者: 'danny_liu'
副本: 'tyson_chen 陳泰盛'; 'Estela_Hu 胡靜文'; 'Daniel_Huang 黃國哲'; 'Sharon_Yeh(DIVA PM)'; 'Judy_Lu'; 'kevin_lee 李金龍'; 'kevin_chen@diva.com.tw'; 'asli_cheng'; Nick_Lin 林益銓; 'hsuan_wang 王世炫'; 'anderson_wei'; Michael_Young 楊建勛; 'Lewis_lee'; Kevin_Peng 彭閎熙
主旨: RE: Ampronix / A Icon Inc. - OptikView 19" customer monitor
附件: 5.8.2_185B_PASS.JPG; 5.8.2_1861_NG.JPG

Hi Danny

物料階層		元件	物料說明	元件數量	元件	佳世達料號敘述	佳世達料號	文件	替代料 1	替代料 2
	0	1A2A19273208900	ST1912X-TP v2							
1	1	2AAD7150011	ACCESSORY (ST1912X-TP v2)	1	PC					
1	1	2AAD7150012	PACKING (ST1912X-TP v2)	1	PC					
1	1	2AAD7150013	UNIT (ST1912X-TP v2)	1	PC					
1	1	3MD144FL030	I/O LABEL (ROM1532,DC IN,GE WHITE-5897)	1	PC			M2320		
1	1	3MDL4XLB440	CARTON LABEL (BLANK,3.5"*4")	1	PC	LABEL CARTON BLANK 100*90	4E.5BL03.001	M1181		
1	1	3MDL4XLB650	MODEL LABEL (94*48*R7, WG-7818-MS)	1	PC	LBL SPEC 94*48 SILVER BLANK	TY.4ED10.004	M1817		
1	1	8MD715LB010	MODEL LABEL (ST1912X-TP v2)	1	PC					
1	1	8MD715LB020	CARTON LABEL (ST1912X-TP v2)	1	PC					
	1	2AAD7150011	ACCESSORY (ST1912X-TP v2)							
1	2	3KC00001230	STEREO CABLE (Φ3.5mm,BLACK,1.8M,GM)	1	PC			K0121		
1	2	3KC0000185B	IRS232 CABLE (1.8M,BLACK,CORE*2,GM)	1	PC			K0295	3KC00001861	
1	2	3KC00012510	DVI CABLE (FQE240209P, 1.8M,BLACK,GL)	1	PC			K1171		
1	2	3KH00000873	VGA SIGNAL CABLE (2.5M,BLACK,JAWS)	1	PC			K0099	3KC00012710	3KH00000870
1	2	3KP00004210	AC CORD (US,SVT,18/3C,BLK,1.83M,I-SHENG)	1	PC	CORD SVT125V WO/SH US 1.83M	2G.01111.001	K1144	3KP0000010F	
1	2	3MDL19PK67A	CLIP PACKET (L340*W240*t0.05)	1	PC			M1147		
1	2	3ZAD12V50Q2	ADAPTER (12V/5A,MEA-065A12C 6KA,DELTA)	1	PC			Z0517		

經測試後,發現3KC00001861此線材不能用.
因此機種為ELO R5 電阻式..ELO Controller Board 有規定要使用handshaking 協定.
線材差異:
3KC0000185B => 9個pin 全接 (handshaking 協定)
3KC00001861 => 只有接3個pin (RX/TX/GND) => 故此條線材無法使用.

如下圖,可以從屬性1可以看到狀態.

3KC0000185B _PASS



3KC00001861 _NG



Hi Asli
如討論請修改SIP
測試軟體改成如下..

SW602610_EloMouseTouch_5.8.2.exe
我會在移交給PE一次

Hi Sharon
後續會下EC 把3KC00001861 移除掉..
只留主Source : 3KC0000185B

Warm regards,
Kevin Peng

DIVA Laboratories. Ltd. | R&D Dep.
T:+886-2-2226-8631#515 | E: kevin_peng@diva.com.tw
F:+886-2-2226-2423 | W: www.diva.com.tw
A: 9F., No.351, Sec. 2, Zhongshan Road, Zhonghe District , New Taipei City 235602, Taiwan R.O.C.

From: danny_liu [mailto:danny_liu@diva.com.tw]
Sent: Wednesday, April 15, 2026 12:02 PM
To: 'kevin_peng' <kevin_peng@diva.com.tw>
Cc: 'tyson_chen 陳泰盛' <tyson_chen@diva.com.tw>; 'Estela_Hu 胡靜文' <estela_hu@diva.com.tw>; 'Daniel_Huang 黃國哲' <daniel_huang@diva.com.tw>; 'danny_liu' <danny_liu@diva.com.tw>; 'Sharon_Yeh(DIVA PM)' <sharon_yeh@diva.com.tw>; 'Judy_Lu' <Judy_Lu@diva.com.tw>; 'kevin_lee 李金龍' <kevin_lee@diva.com.tw>; kevin_chen@diva.com.tw
Subject: RE: Ampronix / Alcon Inc. - OptikView 19" customer monitor

Hi Kevin Peng

如剛才見面所談
客戶端回饋Linden ST1921X-TP 在觸控驅動Elo 5.8.2 時搭配隨箱RS232線材3KC00001861會出現無法觸控現象

No.1 影片使用一般RS232 測試，觸控正常
No.2 影片在叫出Elo 介面後，觸控失效

請幫忙確定問題
感謝

- Linden DEFOA case
- Model: ST1912X-TP v2
- Defect issue: below email
- Linden request: 25pcs RS232 cable replacement

Customer Group	物料	品名	請款數量	建立日期	參考文件
Linden	5A2A19273208900	ST1912X-TP v2 (RGM1932AM w/o Stand)	25.000	2026/3/25	8000011318

針對No.1 與No.2

1.

Best Regards,
Danny Liu
Quality Department

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Fax:+886-2-2226-2423
235 新北市中和區中山路二段351號9F
9F., No.351, Sec.2, Zhongshan Road, Zhonghe District, New Taipei City 235, Taiwan R.O.C.

From: Judy_Lu <Judy_Lu@diva.com.tw>
Sent: Wednesday, April 15, 2026 9:45 AM
To: kevin_lee 李金龍 <kevin_lee@diva.com.tw>; danny_Liu 劉兆鑫 <danny_Liu@diva.com.tw>; kevin_chen@diva.com.tw; Daniel_Huang 黃國哲 <daniel_huang@diva.com.tw>
Cc: tyson_chen 陳泰盛 <tyson_chen@diva.com.tw>; 'Estela_Hu 胡靜文' <estela_hu@diva.com.tw>
Subject: RE: Ampronix / Alcon Inc. - OptikView 19" customer monitor

Hi Danny,

不良照片如附件。

From: Judy_Lu <Judy_Lu@diva.com.tw>
Sent: Wednesday, April 15, 2026 9:41 AM
To: kevin_lee 李金龍 <kevin_lee@diva.com.tw>; danny_Liu 劉兆鑫 <danny_Liu@diva.com.tw>; 'kevin_chen@diva.com.tw' <kevin_chen@diva.com.tw>; Daniel_Huang 黃國哲 <daniel_huang@diva.com.tw>
Cc: tyson_chen 陳泰盛 <tyson_chen@diva.com.tw>; 'Estela_Hu 胡靜文' <estela_hu@diva.com.tw>
Subject: RE: Ampronix / Alcon Inc. - OptikView 19" customer monitor

Hi Danny Kevin,

有勞接手調查回信給Linden，謝謝。

- Linden DEFOA case
- Model: ST1912X-TP v2
- Defect issue: below email
- Linden request: 25pcs RS232 cable replacement

Customer Group	物料	品名	請款數量	建立日期	參考文件
Linden	5A2A19273208900	ST1912X-TP v2 (RGM1932AM w/o Stand)	25.000	2026/3/25	8000011318

From: Judy_Lu <Judy_Lu@diva.com.tw>
Sent: Wednesday, April 15, 2026 9:36 AM
To: 'Dennis Irizarry' <Dennis@tlgc.com>; 'Estela_Hu 胡靜文' <estela_hu@diva.com.tw>; 'kevin_chen@diva.com.tw' <kevin_chen@diva.com.tw>; danny_Liu 劉兆鑫 <danny_Liu@diva.com.tw>

Cc: 'James Chen' <James@tlgc.com>; 'Susan Chen' <susan@tlgc.com>; kevin_lee 李金龍 <kevin_lee@diva.com.tw>; tyson_chen 陳泰盛 <tyson_chen@diva.com.tw>; Daniel_Huang 黃國哲 <daniel_huang@diva.com.tw>
Subject: RE: Ampronix / Alcon Inc. - OptikView 19" customer monitor

Hi Dennis,

Thanks for your message.
The defect pictures I did not receive so far, might you share the picture by email ?
Meanwhile we're checking factory quality report then would update after investigation for further action accordingly.
Seeking for your feedback.
Many thanks.

Best Regards,

Judy

From: Dennis Irizarry <Dennis@tlgc.com>
Sent: Wednesday, April 15, 2026 5:15 AM
To: 'judy lu' <judy_lu@diva.com.tw>; 'Estela_Hu 胡靜文' <estela_hu@diva.com.tw>; kevin_chen@diva.com.tw
Cc: James Chen <James@tlgc.com>; Susan Chen <susan@tlgc.com>
Subject: RE: Ampronix / Alcon Inc. - OptikView 19" customer monitor

Judy,

Ampronix issue has been duplicated at Linden group. Seems like the RS232 cable is the issue. I sent a TEAM message with the picture that has the older cable vs the newer cable.
Seems like when you load the driver the touch cable is not recognized until you power off and on the monitor, but once you try to align or go into Elo control panel software the cable
Stops working again. To get it working again you must power off and on the monitor. Kevin Chen was shown here the issue at Linden group. Please send replacement RS232 cables that work correctly (25pcs).

Thanks
Dennis Irizarry
Optik View by
The Linden Group
2B Wing Drive.
Cedar Knolls NJ 07927
Tel : 973 983 8809 X210
dennis@tlgc.com

From: Susan Chen <susan@tlgc.com>
Sent: Tuesday, April 14, 2026 4:23 PM
To: Jeffrey Chao <jchao@ampronix.com>
Cc: Dennis Irizarry <Dennis@tlgc.com>
Subject: FW: Ampronix / Alcon Inc. - OptikView 19" customer monitor

Hi Jeff,

We did tested the touchscreen before we shipped it, I will have Dennis call you after he read the comments.

Best regards

Susan Chen
Optik View by
The Linden Group
2B Wing Drive.
Cedar Knolls NJ 07927
Tel : 973 983 8809 X201

susan@tlgc.com

From: Jeffrey Chao <jchao@ampronix.com>
Sent: Tuesday, April 14, 2026 4:17 PM
To: Susan Chen <susan@tlgc.com>
Subject: FW: Ampronix / Alcon Inc. - OptikView 19" customer monitor

Hello Susan,

Can you find out if the serial cable that shipped with the 10550015 (ST1912XTP) is different from before? The new touch serial cable is not working. When they use an old cable, it works.

Did you test the touch at your location? We may need to send them replacement cables.

See their comments below and attached pictures.

Best regards,

Jeff Chao
VP of Operations

Email: jchao@ampronix.com
TollFree: 800.400.7972 | **Direct:** 949.421.3508 | **Phone:** 949.273.8000 ext.125
15 Whatney, Irvine, CA 92618

Medical Imaging Technology

From: Mann, Salik <salik.mann@Alcon.com>
Sent: Tuesday, April 14, 2026 1:05 PM
To: Jeffrey Chao <jchao@ampronix.com>; Kim, Andy <andy-1.kim@alcon.com>; Peter Khademi <pkhademi@ampronix.com>; Srivastav, Aditya(EXT) <aditya.srivastav@alcon.com>
Subject: RE: Ampronix / Alcon Inc. - OptikView 19" customer monitor

Hi Jeff,

It seems Precise Industries is having issues with the 9-Pin connector that for the touch screen of the new monitor.

Can you please address the following:

We have come across an issue that I think we may need help with. After assembly we test the unit to make sure all is up and working mouse ball, keyboard and monitor. In test we found we could not get the monitor to connect so we did have an older cable (see pics) that did work. In doing so once the monitor was attempted to connect with the existing (supplied with this shipment) cable it would not connect but would with the old one . Not sure what is the issue we have tested this in several ways. The cables have the same connections and look to be the same??

We may want to have Ampronix and Alcon come in as you both are close by in Irvine to see if we can come up with a solution.

Pic 1 is what the monitor say that it is unable to connect

Pic 2 is a look at the old and new cables side by side we noticed that one was thinner then the other old being thicker and new being thinner

Pic 3 is just a side-by-side view of both

Best Regards,

Salik Mann

設計變更審查會議記錄

時間	20260415	地點	803	主席	Sharon
參與人員	Kevin_P、Sharon、Judy、danny_liu				

討論與決議事項：

設計變更原因 ： 替代料(2nd):3KC00001861 無法用於 ST1912X-TP v2 此機種使用

設計變更描述: 刪除替代料(2nd): 3KC00001861

導入時程 : Normal

客戶審查 : No needed

一. 研發課評估 ：

單位	審查內容	附加文件
EE :	經評估變更與軟體設計無關, 不會造成軟體安全性影響	無
FW :	經評估變更與軟體設計無關, 不會造成軟體安全性影響	無
ME :	經評估變更與軟體設計無關, 不會造成軟體安全性影響	無
SW :	經評估變更與軟體設計無關, 不會造成軟體安全性影響	無
DQE :	經評估變更與軟體設計無關, 不會造成軟體安全性影響	無

二. 結論 ：

1.開發單位各部門評估後,此設計變更不會對產品預期用途造成影響,

功能	設計變更內容無關功能影響
性能	設計變更內容, 無關產品性能影響
可用性	無影響, 沒有使用上的風險
安全性	組裝方式沒有改變, 沒有安全性風險,
法規	經審查, 沒有影響法規內容

2.發行 ECR

人員簽到：