

## Engineering Change Notice

**Issue date:** Dec. 26<sup>th</sup>, 2024

**Model:** IDK-1108R-45SVA1E

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**Approved by:** Pamela Lin

**Purpose:** LCD and touch Engineering Change Request

**Description:**

IDK-1108R-45SVA1E implemented a new LCD solution(G084SAN01.0) and touch solution, due to old LCD (G084SN05 V9) and touch is phased out and discontinued

**1. Desired implementation method**

The model name will keep using IDK-1108R-45SVA1E

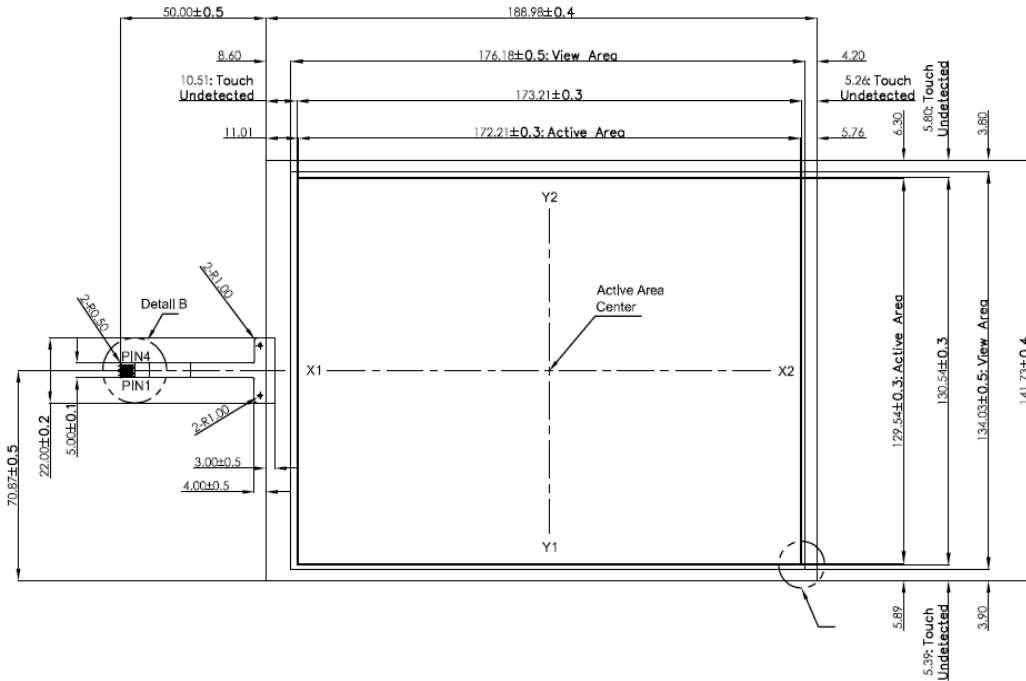
**2. Specification Comparison**

IDK-1108R-45SVA1E		Origin G084SN05 V9	EC G084SAN01.0										
LCD Panel	Display Size	8.4"	←										
	Resolution	800 x 600	←										
	Display mode	Normally White, TN	Normally Black, AHVA										
	Viewing Angle (U/D/L/R)	80° /80° /60° /80°	89° /89° /89° /89°										
	Brightness (cd/m2)	450	←										
	Backlight Life (hrs)	50,000	70,000										
	Contrast Ratio	600:1	1000:1										
	Response Time (ms)	30	25										
	Colors	262k(6 bit)/16.2M(8 bit)	←										
	Voltage	3.3V Power	←										
	Power consumption	2.94 W	TBD										
	Signal Interface	LVDS	←										
	Weight	250 g	TBD										
	Active Area (W x H) (mm)	170.4 x 127.8	←										
Dimensions (W x H x D) (mm)	203.0 x 142.5 x 8.0	←											
Pin define	<table border="1"> <tr> <td>19</td> <td>RxIN4-</td> <td rowspan="2">LVDS differential data input Pair 3. Must be set to NC in 6 bit input mode.</td> </tr> <tr> <td>20</td> <td>RxIN4+</td> </tr> </table>	19	RxIN4-	LVDS differential data input Pair 3. Must be set to NC in 6 bit input mode.	20	RxIN4+	<table border="1"> <tr> <td>19</td> <td>RxIN4-</td> <td rowspan="2">LVDS differential data input Pair 3.</td> </tr> <tr> <td>20</td> <td>RxIN4+</td> <td>Pin19:VDD &amp; Pin20:GND for 6 Bit Input Mode.</td> </tr> </table>	19	RxIN4-	LVDS differential data input Pair 3.	20	RxIN4+	Pin19:VDD & Pin20:GND for 6 Bit Input Mode.
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Touch Screen	Touch Screen	Resistive	←										
	Transparency	82 ± 3%	←										
	Surface Hardness	3H	←										
	FPC Tail length	50mm	70mm										
	Active Area (W x H) (mm)	172.21 x 129.54	172 x 129.5										
	Dimensions (W x H x D) (mm)	188.98 x 141.73 x 1.4	188.9 x 141.7 x 1.4										
Environment	Operating Temperature	-30 ~ 85° C	-30 ~ 80° C										
	Storage Temperature	-30 ~ 85° C	-30 ~ 80° C										

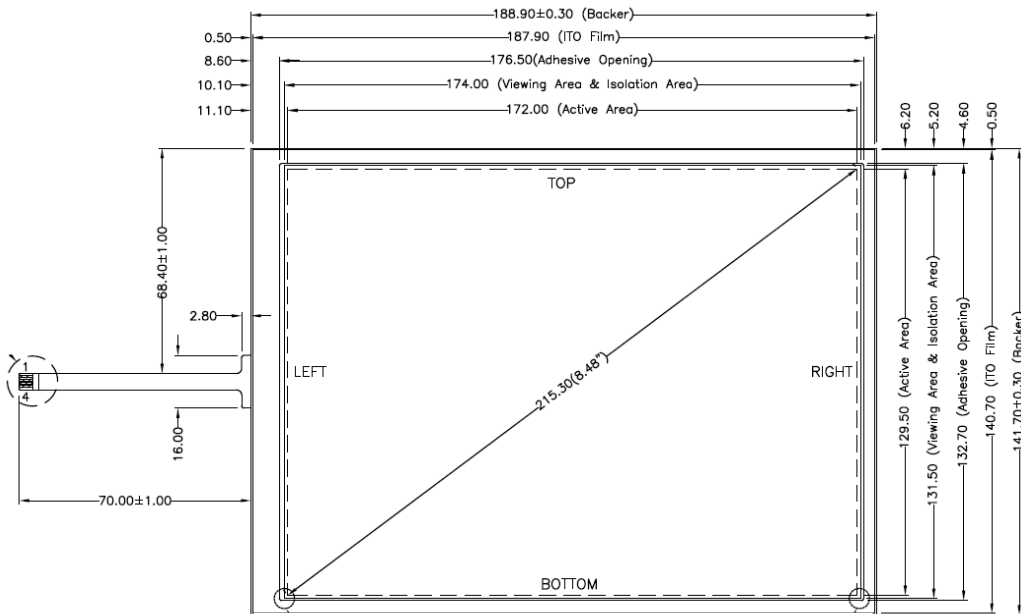
**3. Mechanical change: LCD outline dimension keeps the same.**

Resistive touch dimension change

**Origin**



**EC**



**4. Last Buy Order Confirmation: 2025/03/20**

**Customer Feedback**

Comment: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_