



AUO Display+

# AUO Display Plus Corporation

# Engineering Change Approval

**Document No:** GD17G-02-1-2959  
**Product Type:** 17  
**Model Name:** G170EG01.1  
**Issued Date:** 2022/08/15

**Requested by**  
 Signature 張恩銓 莊馥綺  
 Date 2022/08/19  
 Name 張恩銓 莊馥綺  
 Title 行銷三部

### 1. Purpose

1. The original mass-produced model G170EG01 V101 TCON IC uses NVT 12201 1VG, NVT proposed to ADP the TCON IC EC requirement, , AUO Display Plus (ADP) will replace NVT 12201 1VG with Raydium TCON IC 12303 Z09 for this model. EE has confirmed that the existing structure could not find alternative materials, so G170EG01 V104 was developed to replace it .
2. And LED driver IC Richtek RT8488 is going to EOL too, ADP will replace LED driver IC RT8488 with NT50508B for this model.

### 2. Changes

- 1.TCON IC will be changed from NVT 12201 1VG to Raydium 12303 Z09.
- 2.Source IC will be changed from Novatek NT39633 to RM92061
- 3.Gate IC will be changed from NT39348 to NT65208.
- 4.LED driver IC will be changed from Richtek RT8488 to NT50508B.
- 5.With New IC and Cell , new product specification needs to be change as below
  - a. General specification (Page3 )
  - b. Backlight unit driving (Page4)
  - c. LVDS pin assignment (Page5)
  - d. LED Driver pin assignment (Page6)
  - e. Interface timing (Page7)
  - f. Backlight input signal characteristics (Page 8)
  - f. 2D Drawing –front /rear(Page 9,10)

Figure :

### 3. Desired Implementation Method & Date

2023/03/01 ; RUNNING CHANGE ;

### 4. Attachment

### Customer (STELIAU) Feedback

Disposition

Agree

Disagree, Comment:

Note: Please kindly reply to ADP within 14 calendar days upon receipt. This ECR will be regarded as "Agree" if ADP does not receive feedback within 14 calendar days.

**Agreed by:**

Signature \_\_\_\_\_

Date \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_