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## Product Change Notification

**PCN No:** 2025-06-13-03  
**Report Date:** June 13, 2025  
**Subject:** MOP-TFT320102-29A-BLM-TPN Screen Change

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### List of New Products:

<b>MOP-TFT320102-29A-IPS-BLH-TPN</b>
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### Reason for Change:

In line with Matrix Orbital's continual push to provide a superior product, all our 2.9" display will now feature IPS displays, which provide significantly brighter backlight (Daylight Viewable) and offer free viewing angle (the display can be viewed at any angle).

### Schedule of Change:

Q3 2025

### Product Change:

The new MOP-TFT320102-29A-**IPS-BLH**-TPN display can draw up to an additional 50mW of power due to the increase of the backlight brightness. The backlight setting may be turned down (to match BLM display) using hardware backlight driver modification.

The new MOP-TFT320102-29A-IPS-BLH-TPN uses a different driver IC: ST7273 (the older display uses HX8238D). The change in driver IC requires different timing parameters (driver software change).

TFT panel interface connection and pinout remain the same.  
Drawing will be added to this document soon.

#### **Documentation Revision**

Revision	Changes	Date	Author
1.0	Initial Release	June 13, 2025	R Malinis

#### **Contact Information:**

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#### **Reference Documents:**

<https://www.matrixorbital.com/documents/manuals>

#### **Approvals:**

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