



Product Change Notification

PCN No: 2025-10-07-01
Report Date: October 7, 2025
Subject: EVE2-38A/G EVE3x-38G
Display Change

List of New Products:

EVE2-38A-IPS-BLH-TPN
EVE2-38A-IPS-BLH-TPR
EVE2-38G-IPS-BLH-TPC
EVE3x-38A-IPS-BLH-TPN
EVE3x-38A-IPS-BLH-TPR
EVE3x-38G-IPS-BLH-TPC

Reason for Change:

TN displays are obsoleted.

Schedule of Change:

Q4 2025

Product Change:

A new better looking, free viewing angle (IPS), high brightness display is offered on the 3.8" EVE series. The overall dimension of the new IPS display is the same as the current TN display.

The new 3.8" IPS-BLH displays use a different driver IC which require different (EVE) timing parameters:

	Old EVE Timing Specifications	New EVE Timing Specifications
DWIDTH	480	480
DHEIGHT	116	116
PIXVOFFSET	156	12
PIXHOFFSET	0	0
HCYCLE	527	536
HOFFSET	46	55
HSYNC0	1	8
HSYNC1	3	12
VCYCLE	291	297
VOFFSET	18	24
VSYNC0	4	8
VSYNC1	6	12
PCLK	5	6
SWIZZLE	0	0
PCLK_POL	1	1
HSIZE	480	480
VSIZE	272	272
CSPREAD	0	0
DITHER	1	1

Documentation Revision

Revision	Changes	Date	Author
1.0	Initial Release	October 7, 2025	R Malinis

Contact Information:

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Reference Documents/Attachments:

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

Approvals:

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