

September 1, 2025

Engineering Change Notification

This notice is to inform you of a change to the following LCD product:

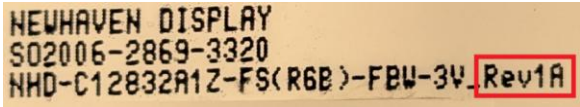
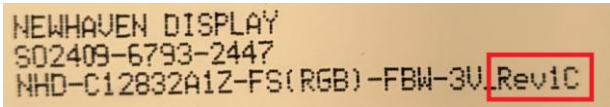
NHD-C12832A1Z-FS(RGB)-FBW-3V

The backlight in this display has been redesigned to improve light uniformity. The new backlight design has a slightly higher current draw at typical driving conditions. A comparison of the backlight characteristics is shown below:

Part Number	Red Backlight Current	Green Backlight Current	Blue Backlight Current
Old Rev1A Design	10mA at 2.1V	30mA at 3.0V	30mA at 3.0V
New Rev1C Design	15mA at 2.1V	45mA at 3.0V	45mA at 3.0V

The updated design is backward compatible with platforms that supported the previous version. The new display backlight can be driven at the old supply current, but this may result in the backlight operating at less than maximum brightness.

The new display will be labeled with a different revision control number after the part number. See example below.

Old Design	New Design
	

We understand that every customer's application is unique and therefore recommend you test and validate samples of the updated design.

Samples may be purchased by contacting us at nhsales@newhavendisplay.com. When ordering samples, please specify that you would like to receive the new version.

Please visit www.newhavendisplay.com or email nhtech@newhavendisplay.com for further information or assistance with this change.

