

June 27, 2025

Engineering Change Notification


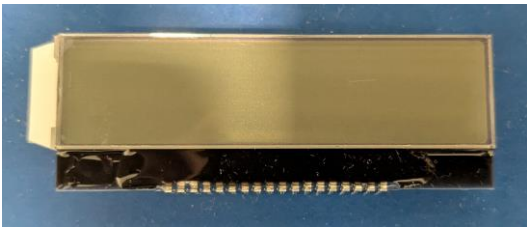
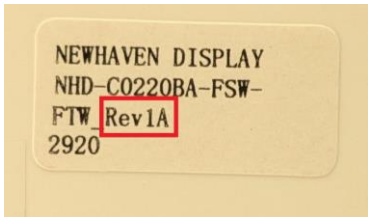
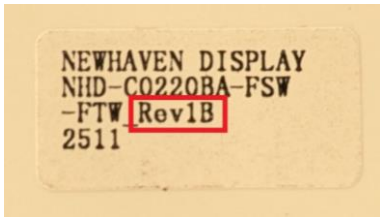
This notice is to inform you of a change to the following COG LCD:

NHD-C0220BA-FSW-FTW

This display has been redesigned to add support for 4-wire SPI interface. To accommodate this added functionality, the display pin count has changed from 15 to 18. The additional three pins are for Chip Select and Interface Select signals required to use SPI. Please refer to the pinout differences below and review the new pinout in the updated datasheet for the new design.

Pin#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Rev1A	/RST	RS	R/W	E	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	V _{SS}	V _{DD}	V ₀	-	-	-
Rev1B	/RST	RS	CSB	R/W	E	DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	V _{SS}	V _{DD}	PSB	PSI2B	V ₀

The new displays 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.