

March 15, 2023

Engineering Change Notification

This notice is to inform you of a change to the following TFT products:

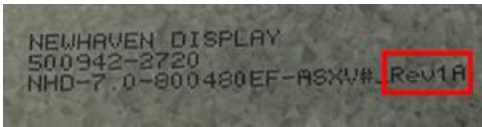

NHD-7.0-800480EF-ASXN#	NHD-7.0-800480FT-CSXN	NHD-7.0-800480MB-ASXV-T
NHD-7.0-800480EF-ASXN#-CTP	NHD-7.0-800480FT-CSXN-CTP	NHD-7.0-800480MB-ATXL
NHD-7.0-800480EF-ASXN#-T	NHD-7.0-800480FT-CSXN-T	NHD-7.0CTP-CAPE-L
NHD-7.0-800480EF-ASXN-CTPAX	NHD-7.0-800480FT-CSXV	NHD-7.0CTP-CAPE-N
NHD-7.0-800480EF-ASXV#	NHD-7.0-800480FT-CSXV-CTP	NHD-7.0CTP-CAPE-V
NHD-7.0-800480EF-ASXV#-CTP	NHD-7.0-800480FT-CSXV-T	NHD-7.0-HDMI-N-RSXN
NHD-7.0-800480EF-ASXV#-T	NHD-7.0-800480FT-CTXL-CTP	NHD-7.0-HDMI-N-RSXN-CTU
NHD-7.0-800480EF-ATXL#	NHD-7.0-800480FT-CTXL-T	NHD-7.0-HDMI-N-RSXV
NHD-7.0-800480EF-ATXL#-CTP	NHD-7.0-800480MB-ASXN	NHD-7.0-HDMI-N-RSXV-CTP
NHD-7.0-800480EF-ATXL#-T	NHD-7.0-800480MB-ASXN-T	NHD-7.0-HDMI-N-RSXV-CTU
NHD-7.0-800480EF-CSXV	NHD-7.0-800480MB-ASXV	
NHD-7.0-800480EF-CTXL#	NHD-7.0-800480MB-ASXV-CTP	

The EK9716B and EK73002 TFT driver ICs used in these displays have been replaced by EK79716B and EK73202, which are newer versions of the original ICs.

The DCLK frequency for the new EK79716B IC is different from EK9716B. Please refer to the table below for more information.

EK9716B						EK79716B					
Parameter	Symbol	Value			Unit	Parameter	Symbol	Value			Unit
DCLK Frequency	fclk	Min	Typ.	Max	MHz	DCLK Frequency	fclk	Min	Typ.	Max	MHz
		20	33.3	50				28.2	29.2	46.5	

All our testing found the new version's functional performance to be equivalent to the old version. The new TFTs will be labeled with a different revision control number after the part number. See example below.

NHD-7.0-800480EF-ASXV#	
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.

