Skip with TI ECC and OEM Reserved Byte Bad Block Scheme

This BBM uses Skip Bad Block method for bad block handling with selected TI-Hamming ECC. It allows adding OEM reserved byte (user specified value) to page #s 0 of the selected bocks.

Relevant User Options

The following special features on the special features tab apply to this scheme. The default values might work in some cases but please make sure to set the right value according to your system.

Please note only the below special feature items are related to this scheme and ignore any others. If any of below items doesn't exist, please check whether the right version has been installed or contact Data I/O for support by submitting Device Support Request through this address: http://www.dataio.com/support/dsr.asp

Bad Block Handling Type = "Skip bad blocks"

Spare Area = "ECC"

- This option should be selected for this BBM.

ECC Extended Type= "TI-Hamming (large Page)"

- This scheme adds TI Hamming ECC (3 bytes per 512 data bytes) to the spare area during programming.

OEM reserved Enabled= "Yes"

- This will add a user specified byte at the specified address in page # 0 of all the selected blocks.

OEM reserved Value= "FC"

- This value gets written into the spare (OOB) area, at the user specified "OEM reserved Offset" address selected by the user by the follow up special feature.

OEM reserved Offset in Spare (hex)= "3D"

- The "OEM reserved Value" that is selected by the above Special Feature (for example 'FC') gets written into the spare area, at this (0x3D) offset address.

OEM reserved UpTo (excluding Block#)= "0"

- All the "first" pages of the all the blocks up to (& excluding) this block # (decimal) get written with the OEMreserved byte value. If this value is selected as "0", OEMreserved value will not get programmed into any page.

All other features are not used for this scheme.

Image Preparation

The created image file should not contain any spare (OOB) area data.

Special Notes

- None.

This Document's versions-

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