

Skip MPF BCH4 7B User Manual

General Description and Name

This BBM is skip bad block method. The data file do not contains spare area.

Relevant User Options

The following special features on the special features tab apply to this scheme. The default values should work in normal cases but you are free to select any value if needed.

Bad Block Handling Type = “**Skip MPF BCH4 7B**”

Spare area = “**ECC**”

PartitionTable File = “ **C:\PartitionTable.mbn** ”

Error bits allowed in one page = “?” How many error bits allowed per page during preprogramming. This depends on the ECC method. [Default is 0].

Partition Table Format:

- A binary file with fixed length of 256 bytes.
- Organization: 16 rows x 4 columns. Each table item is 32-bits, little endian byte ordering.
- Each row of the table describes configuration for one partition. Up to 16 partitions can be used.
- Partition configuration:
 1. **Start Addr**: address of start of partition in flash blocks. The programmer will set the file read pointer and the programmer write pointer to Start Addr. If Start Addr is 0xFFFFFFFF, skip to the next partition.
 - i. **End Addr**: last valid block in the current partition. The last data block programmed must be equal to or less than End Addr, otherwise the programmer will reject the flash device.
 - ii. **Actual Data Length**: number of blocks of data to read from the input file and write to the flash in the current partition.
 - iii. **Partition Attribute**: Value 0xFFFFFFFF means the end empty pages will not contain ecc. Value 0x00000000 means will contain ecc.

Partition0 start block Partition0 end block Partition0 image length to program

Partition0 image last block calculate ecc or not for empty pages

	0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f	
00000000h:	00	00	00	00	E3	02	00	00	E5	00	00	00	00	00	00	00	;
00000010h:	E4	02	00	00	4B	03	00	00	14	00	00	00	FF	FF	FF	FF	;
00000020h:	4C	03	00	00	B3	03	00	00	14	00	00	00	FF	FF	FF	FF	;
00000030h:	B4	03	00	00	D7	03	00	00	16	00	00	00	FF	FF	FF	FF	;
00000040h:	68	04	00	00	4B	07	00	00	E5	00	00	00	00	00	00	00	;
00000050h:	4C	07	00	00	6F	07	00	00	16	00	00	00	FF	FF	FF	FF	;
00000060h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
00000070h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
00000080h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
00000090h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
000000a0h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
000000b0h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
000000c0h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
000000d0h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
000000e0h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;
000000f0h:	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	;

Revision History
V1.0 08/23/2018

Appendix

You can get the file "Description of common NAND special features.pdf" from <http://ftp.dataio.com/FCNotes/BBM/>