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SUBJECT: Flexible Disk Drive interface, Pin 1 Definition - Mode Sense/Select, Page 5

There are various vendors of 3.5 " Flexible Disk (FDD) which allow clearing of the DISK CHANGE signal by toggling of a DISK CHANGE RESET line on Pin 1 of the FDD interface.

This proposal is for incorporation of the following Pin 1 definition in the remaining 4 bits of byte 27 of Mode Sense/Select, Page 5.

MODE SENSE/SELECT COMMANDS
FLEXIBLE DISK DRIVE GEOMETRY PARAMETERS.
Page Code 5

```
===============================================================
Bit    | 7  | 6  | 5  | 4  | 3  | 2  | 1  | 0  |
Byte   |    |    |    |    |    |    |    |    |
===============================================================
  •
  •
---------------------------------------------------------------
27     |     PIN 4 Definition      |    PIN 1  Definition      |
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  •
===============================================================
```

Pin 1 Definition (byte 27) bits 2,1 and 0 define Pin 1 of the Flexible disk drive interface which is used differently by drive vendors and drive models. The Following setting allows the initiator to select how pin I shall be interpreted by the target.

```
Bit    7   6   5   4
-------------------------
       P   0   0   0      OPEN The controller does not use Pin 1.
       P   0   0   1      DISK CHANGE RESET
       P   0   1   0      AUTO EJECT
       P   0   1   1      RESERVED
       P   1   X   X      RESERVED
```

        -----Polarity Bit - "0" Active Low
                           "1" Active High