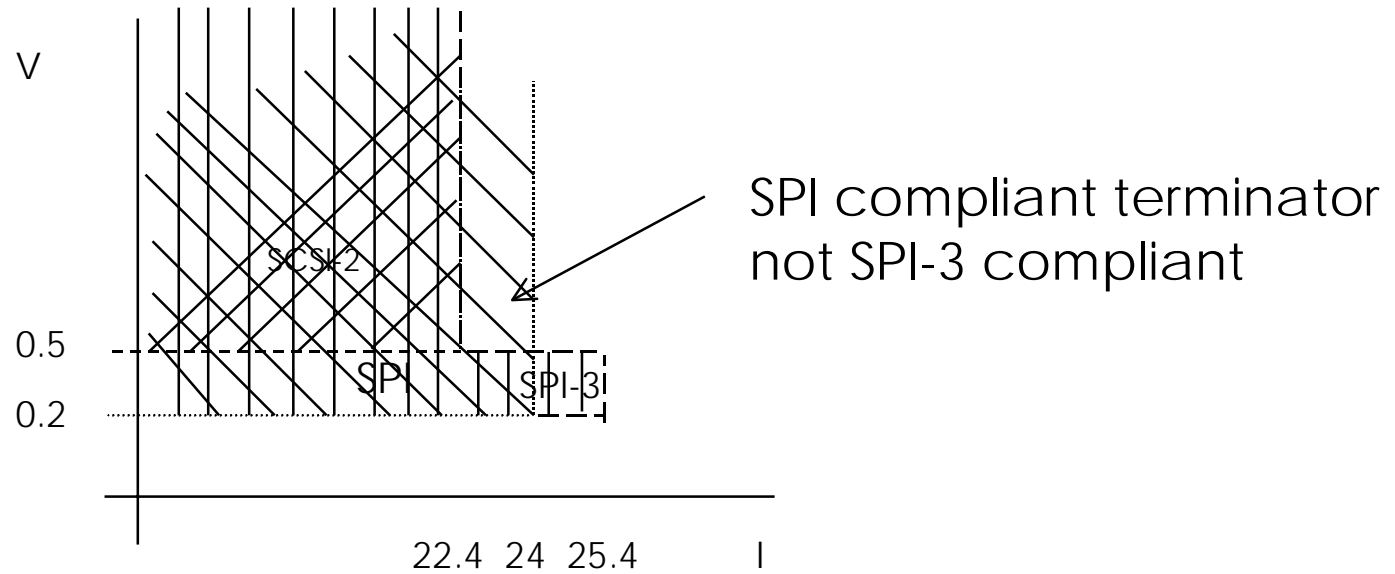*LINFINITY*

M I C R O E L E C T R O N I C S

SPI-3 Single-Ended Current

- SCSI-2
  - ➔ Each terminator can source 22.4 mA @ 0.5V +

- SPI
  - ➔ Each terminator can source 24 mA @ 0.2V +

- SPI-2/SPI-3
  - ➔ Each terminator can source 25.4 mA @ 0.2V to 0.5V
  - ➔ 22.4 mA @ 0.5V +

- SPI terminators can source 24 mA @ 0.5V

Single-Ended Current

LIN**F**INITY

M I C R O E L E C T R O N I C S

Driver current/leakage

■ Driver current not to exceed 48 mA at 0.5 volts.

➔ (22.4 mA)(2 terminators) + (0.4 mA leakage)(8 devices) = 44.8 mA + 3.2 mA = 48 mA.

■ SPI-2 working group allowed Fast-5 devices to have the higher leakage current of SCSI-2, allowing for older bipolar devices to be used on the SCSI bus.

■ Do we need to support 8 old leaky devices in SPI-3?

LᴵɴFɪɴɪᴛY
MICROELECTRONICS

Proposed change to 7.1.1

■ b) each terminator shall source current to the signal line whenever its terminal voltage is below 2,5 V D.C. and this current shall not exceed 24,0 mA for any line voltage above 0,5 V D.C and 25,4 mA for any line voltage between 0,5 V D.C. and 0,2 V D.C. even when all other signal lines are driven at 4.0 V D.C.;