3.3 Volt SCSI Termination

- 3.3 Volts doesn't work with a diode Drop.
  - 3.3 Volts minus tolerance minus diode drop is less than 3.0 Volts.
  - 3.3 Volt systems should connect to 5 Volt SCSI termpwr requiring a regulator for 3.0 to 5.25 Volt operation.
- Unidirectional Circuit Breaker Required for less than 0.2 Volt drop.
- SCSI-2 Alternative Optional 2.7 V, 0.3 Volt maximum drop out regulator with 110 ohm resistors meet SCSI-3 24 mA at 0.2V.
3.3 Volt Basics

- 3.3 Volt Requires 3.0 Volt terminators at the far end or power from an other device.
  - Standard termination requires at least 4.0 Volts.
  - Not all 3.3 Volt systems can provide power for the far end terminator.
  - 3.3 Volt Terminators must work to 5.25 Volts.
  - Special Icons showing users the limitations.
Low Power Mode

- Battery systems with short buses do not need standard termination currents.
  - Buses less than 0.3 meters within an enclosure.
  - Reduce currents down to 1mA.
  - Switch to normal termination when a cable is attached.

- Battery systems often require termpwr to be supplied externally.
  - Termpwr could be from a 5.25 Volt source, which requires all 3.3 Volt systems to run with 3.0 to 5.25 Volt Termpwr.