



August 29, 1988

Recommended Connector Positions Signal and Power, Rev 2

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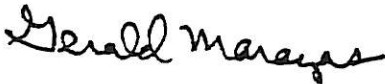
be used for data (signal) and power on SCSI devices. However, no reference is made to the location of the connectors on the devices nor is there reference to where Pin #1 is located with respect to the rear of the device. As a result, implementation of SCSI devices in host systems is complicated from a cabling point of view. Depending on the specific vendor device(s) being installed, the data and power connectors may be either to the left side or to the right side on the rear of the device thus causing multiple cable folds and data/power crossovers.

These items detract from efficient and economical implementation of SCSI in systems. Excessive cable lengths are required to assure that all possible combinations of connector locations can be cabled. These cable lengths can also interfere with the cooling efficiency within the host system unless elaborate routing schemes are employed. Cross-talk / noise can also be introduced between devices.

#### SOLUTION

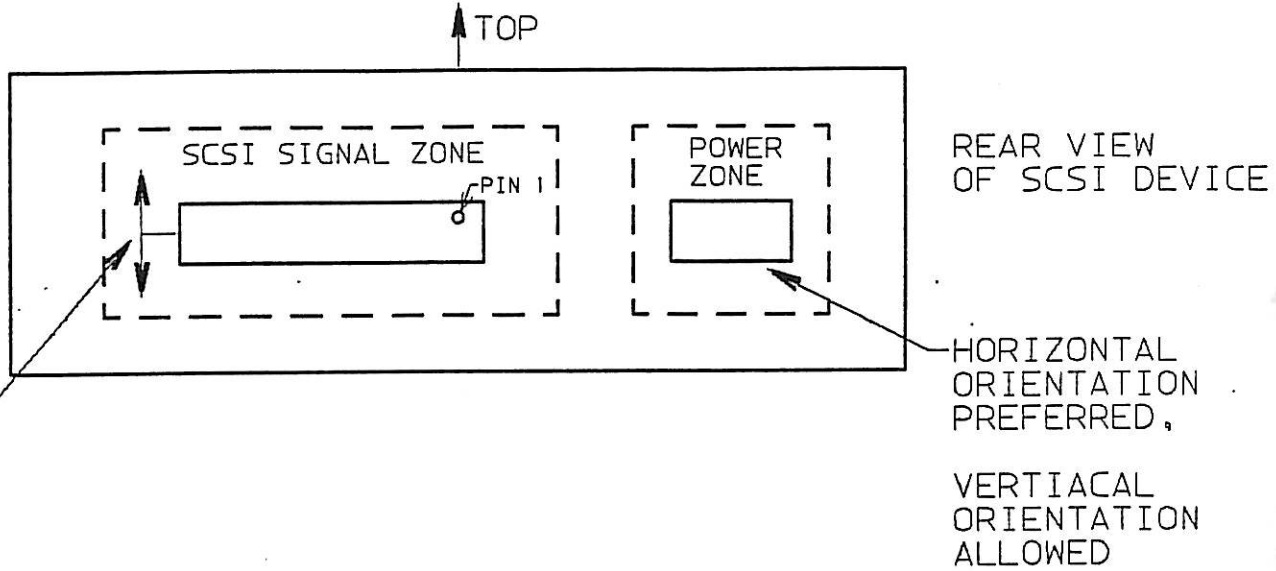
Define the preferred locations of the data and power connectors on the rear of the devices in the SCSI specification. Figure (1) defines the locations as proposed. In a rear view of a device; the power connector is to the right and the data connector is to the left. Connector Pin #1 identification is also established as noted in figure (1).

Specifying both of the above parameters assures minimum cable folds and crossovers thereby enhancing the implementation of SCSI. This proposal is in the form of a recommendation providing preferred locations and orientations for the subject connectors. Compliance/Conformity to SCSI 2 shall not be contingent upon implementation as described in figure (1).



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# SCSI CONNECTOR ORIENTATION FOR HORIZONTAL INTERNAL DEVICE



NOTE 1: SIGNAL CONNECTOR REQUIRED TO HAVE HORIZONTAL ORIENTATION, MAY BE PLACED HIGH, LOW, OR MID. PORTION OF ZONE.

NOTE 2: DETAIL A AND DETAIL B PROVIDE ALLOWED ALTERNATIVES FOR DEVICES USING AN IN AND OUT SCSI SIGNAL CONNECTOR.

NOTE 3: ONLY THE LOCATION OF THE SCSI A CABLE SIGNAL CONNECTOR IS DEFINED IN THIS RECOMMENDATION.

