

Special techniques used in dependency notation

1 Use of a coder to produce affecting Inputs

1.1 If the effect of a set of affecting inputs is produced by decoding the signals on these inputs, the symbol for a coder (S01610 (12-32-01)) may be used as an embedded symbol.

For an illustration, see A00288_Illustration_a.pdf below.

1.2 If all affecting inputs produced by a coder are of the same type and if their identifying numbers correspond with the numbers shown at the outputs of the coder, the Y in the qualifying symbol X/Y may be replaced by the letter denoting the type of dependency and the indications of the affecting inputs should then be omitted.

For an illustration, see A00288_Illustration_b.pdf below.

2 Use of bit grouping to produce affecting Inputs

If all affecting inputs produced by a coder are of the same type and have consecutive identifying numbers (not necessarily corresponding with the numbers that would have been shown at the outputs of the coder), the bit grouping symbol (symbol S01516 (12-09-24)) can be used. In this case, the asterisk shall be replaced by the letter denoting the type of dependency followed by m1/m2. The m1 shall be replaced by the smallest identifying number and the m2 shall be replaced by the largest. The range of the identifying numbers ($m2 - m1 + 1$) must equal the number of outputs of the coder.

To reduce the space required for showing numbers that are powers of 2 and have more than 3 digits, m1 and m2 may be replaced by a 1-to-3-digit number that is a power of 2 followed by k indicating multiplication factor of 1024 or by M indicating a multiplication factor of 1 048 576, whichever applies.

For example, 1 024 may be replaced by 1k, 65 536 by 64k, and 1 048 576 by 1 M.

For illustrations, see A00288_Illustration_c.pdf below.

3 Designation of labelled inputs having inherent storage

It often occurs that a labelled input other than a D-input has inherent storage. Such an input may be labelled mD,*, in which:

- m shall be replaced by the identifying numbers of the inputs that affect the storage operation;
- the asterisk shall be replaced by the symbol denoting the function of the stored input. If that symbol is a number, the comma following the D may be omitted.

For illustrations, see A00288_Illustration_d.pdf below.

See also A00289.