PDP-8/L
MAINTENANCE MANUAL
Volume II
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CIRCUIT SYMBOLS

DEC engineering block schematic diagrams indicate signal flow, logic functions, circuit type and physical location, wiring, and other pertinent information. Individual circuits are shown in block or semiblock form, using standard symbols similar to those that appear in other DEC publications.

LOCATION DESIGNATIONS

General

To make signal tracing easier, DEC uses a numbering system on drawings that gives the location, in the equipment, of all signals named on the drawing. In the main frame, module receptacle connectors are identified with capital letters that designate horizontal rows of modules within the mounting frame top to bottom (A is the first row, B is the second row, etc.). Module receptacles are numbered from left to right viewed from the wiring side (left to right from the module side). Capital letters (G, J, O and Q are omitted) are assigned to the terminal connectors from top to bottom.

Double-Sided Modules

On double-sided modules or connectors, the sides are designated by a suffix number (1 for the left side and 2 for the right side). The drawings are divided into subunits, by dashed lines, that indicate different modules. Inside the dashed lines there are two sets of numbers (together) that tell the type and location of the module; for example, M113 F32 shows an M113 module located in row F (6th from the top), slot 32 (32nd from left side, wiring side). All signals have a number associated with them that tells the pin number and module side number; for example, M2 is pin M2, side 2 (right) of a double-sided module. Hence, a signal with M113 F32 M2 is found on pin M2 side 2 of module M113 located in row F, slot 32.

Double-Height Modules

On modules or connectors that are double-height (occupy two places in a block of connectors, one above the other), the module location and pin numbers identification is similar to the double-sided module identification, except that there are two letters associated with the module location and pin numbers. For example, a signal with M701 H28 H28 is found on an M701 module located in rows H and J, slot 28, and the signal is on pin E1 side 2 on the connector in row H.
D=BS-8L-0-4 Reg. Output Gate Control
B-CS-M452-0-1 Variable Clock

B-CS-M617-0-1 6 4-Input NOR Buffers

B-CS-M516-0-1 Positive Bus Receiver

C-CS-M623-0-1 Bus Driver
B-CS-M660-0-1 Positive Level Driver

C-CS-M700-0-1 Manual Timing Generator