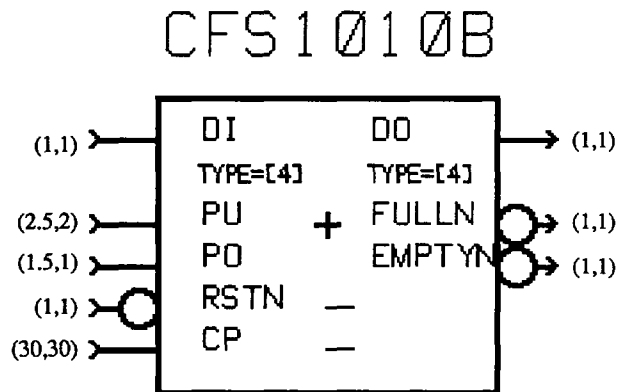


GENERAL DESCRIPTION: 17 X 4 LIFO

CFS1010B is a 17 x 4 LIFO which can be used as a stack with built-in stack pointer. When the LIFO is full, FULLN goes LOW. Any further push onto a full stack overwrites data at the top of the stack. When the stack is empty, EMPTYN goes LOW.

PIN CONNECTION DIAGRAM:**FEATURES:**

- 17-word deep
- Full/empty signal warning
- 4-bit data

EQUIVALENT USED GATES: 598 GATES
(for rough area estimates)

THIS MEGAFUNCTION CONSISTS OF :
598 soft-coded gates.

POWER: NOT AVAILABLE.

FAULT COVERAGE(%): 100%

PIN DESCRIPTION:

INPUT

=====

DI3:0 DATA INPUT TO LIFO.

PU PUSH CONTROL INPUT.

PO POP CONTROL INPUT.

RSTN RESET CONTROL INPUT TO CLEAR LIFO.

CP CLOCK INPUT.

OUTPUT

=====

DO3:0 DATA OUTPUT.

FULLN FULL FLAG

EMPTYN EMPTY FLAG.