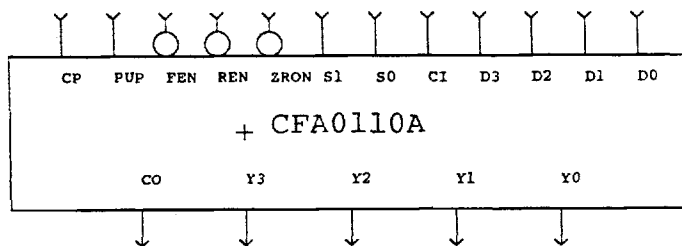


CFA0110A 4-bit Microprogram Sequencer

FEATURES: *Directly cascadable
*4x4 stack with push pop control
*Zero input to keep outputs at low

DESCRIPTION: CFA0110A is a 4-bit wide address controller. It is designed to be compatible with the AM2911 except for the absence of the output enable control. It is basically a GFA0090A with RI and DI inputs tied together and no ORI inputs.

LOGIC SYMBOL:



PIN DESCRIPTION:

CP	CLOCK INPUT TO THE AR AND UPC REGISTER AND PUSH-POP STACK
POP FEN	CONTROL LINES FOR PUSH/POP STACK
REN	ENABLE LINE FOR INTERNAL ADDRESS REGISTER
ZRON	LOGIC 'AND' INPUT ON THE OUTPUT LINES
S1, S0	CONTROL LINES FOR ADDRESS SOURCE SELECTION
CI	CARRY-IN TO THE INCREMENTER
D3:0	DIRECT INPUT TO THE MULTIPLEXER AND INTERNAL ADDRESS REGISTER
CO	CARRY OUT FROM THE INCREMENTER
Y3:0	ADDRESS OUTPUTS FROM CFA0110A (ADDRESS INPUT TO CONTROL MEMORY)

INPUTS (LOADING IN TRANSISTOR PAIRS):

CP(24), PUP(22), FEN(3), REN(2), ZRON(4), S1(4), S0(3), CI(10),
D3(5.5), D2(5.5), D1(5.5), D0(5.5)

OUTPUTS (DRIVE IN (#P, #N)):

CO(2, 2), Y3(2, 2), Y2(2, 2), Y1(2, 2), Y0(2, 2)

GATE COUNT:

GATE USED = 361
AREA USED = 375