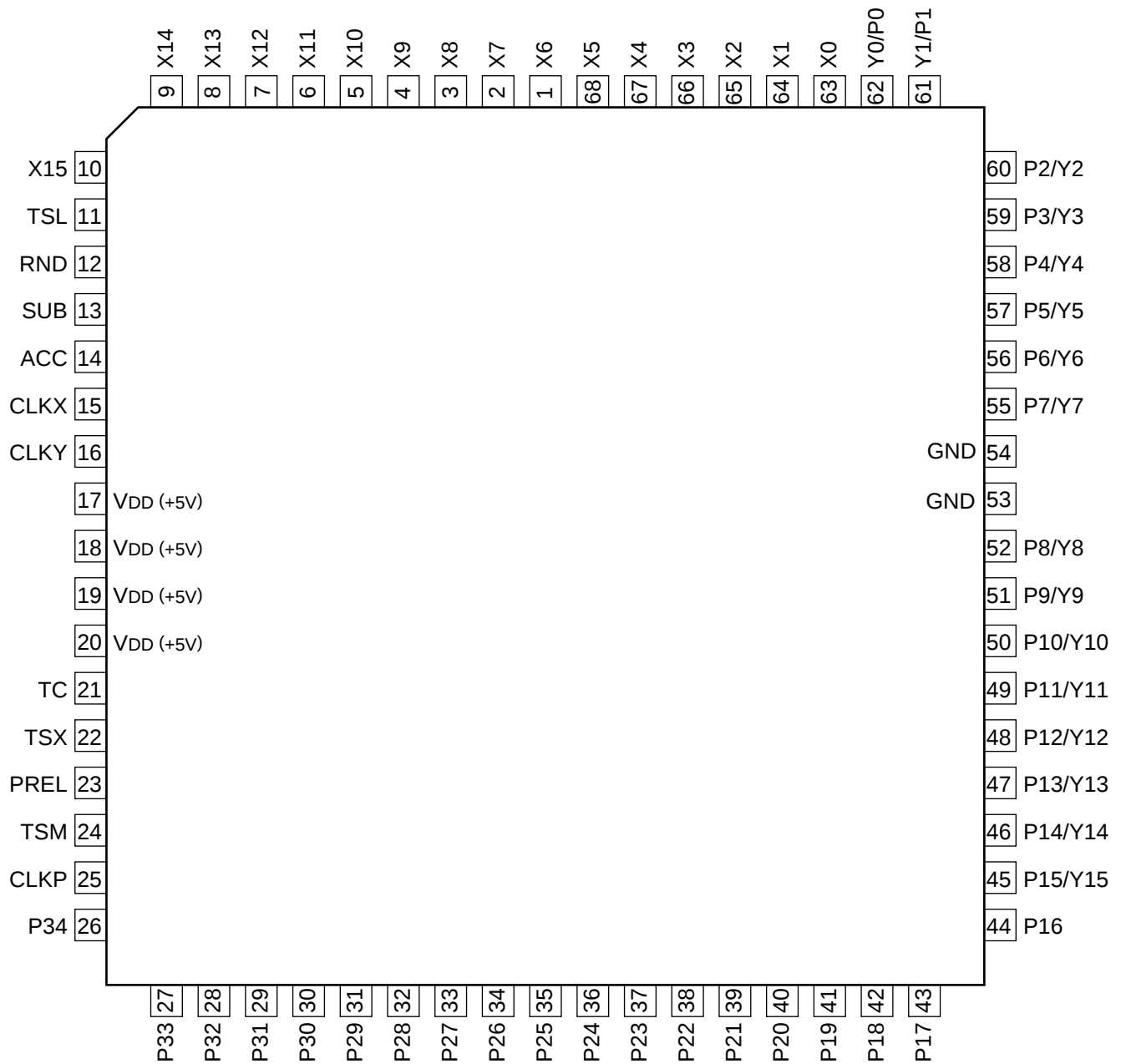

C-MOS 16 X 16 PARALLEL MULTIPLIER-ACCUMULATOR

-TOP VIEW-



INPUT

ACC ; ACCUMULATE CONTROL INPUT
 CLKP ; XTP, MSP AND LSP REGISTERS LOAD CLOCK INPUT
 CLKX ; LOAD CLOCK INPUT FOR X IN
 CLKY ; LOAD CLOCK INPUT FOR Y IN
 PREL ; PRELOAD ENABLE INPUT
 RND ; ROUND CONTROL INPUT
 SUB ; SUBTRACTION CONTROL INPUT
 TC ; TWO'S (X AND Y) COMPLEMENT INPUT
 TSL ; LSP REGISTER OUTPUT ENABLE INPUT
 TSM ; MSP REGISTER OUTPUT ENABLE INPUT
 TSX ; XTP REGISTER OUTPUT ENABLE INPUT
 X0-X15 ; MULTIPLICAND DATA INPUTS
 Y0-Y15 ; MULTIPLIER DATA INPUTS

INPUT/OUTPUT

P0-P15 ; LEAST SIGNIFICANT PRODUCT (LSP) REGISTER INPUTS/OUTPUTS
 P16-P31 ; MOST SIGNIFICANT PRODUCT (MSP) REGISTER INPUTS/OUTPUTS
 P32-P34 ; EXTENDED PRODUCT (XTP) REGISTER INPUTS/OUTPUTS

