

WILLIAMS MOTOR CONTROL BOARD  
INPUTS: 20VDC ACTIVE LOW



WILLIAMS MOTOR CONTROL BOARD  
OUTPUTS: STEPPER (UNKEYED)

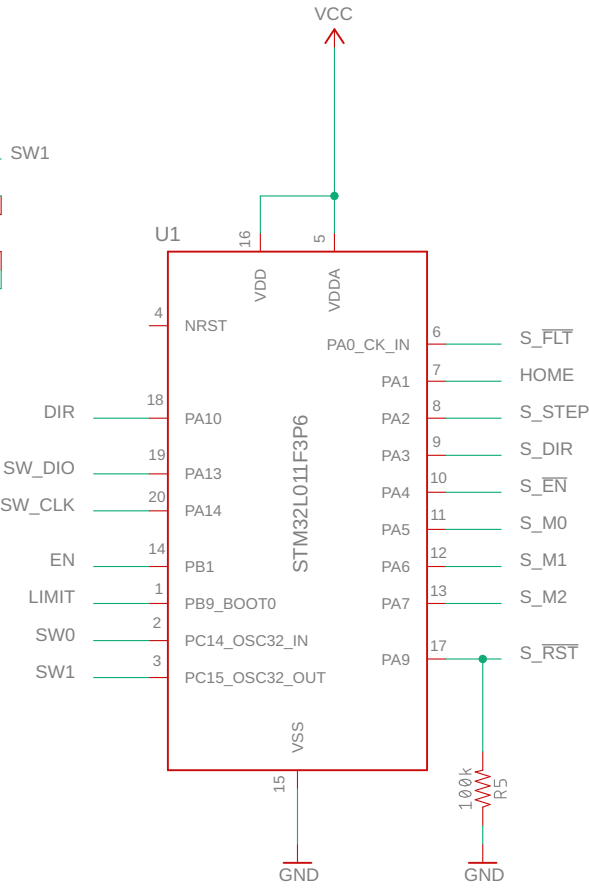
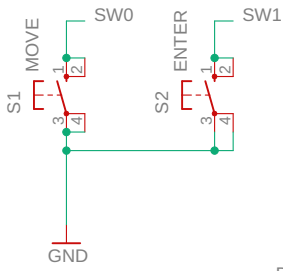
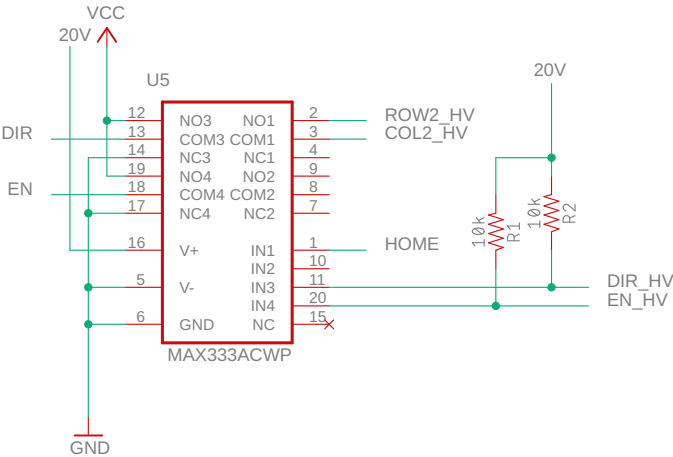


WILLIAMS SWITCH MATRIX 12VDC  
CLOSED: <5V OPEN ->5V

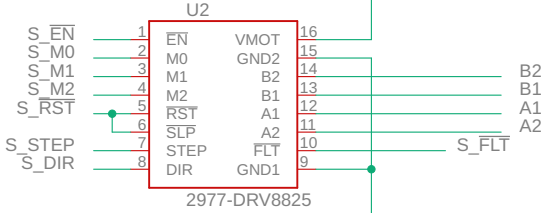


HOME: OUTPUT FROM MCU  
CLOSES ROW2+COL2 IN THE SW MATRIX

DIR/EN: INPUT TO MCU  
LEVEL CONVERSION



STEPPER MOTOR  
OUTPUT



PROGRAMMING INTERFACE  
TAG 6PIN

