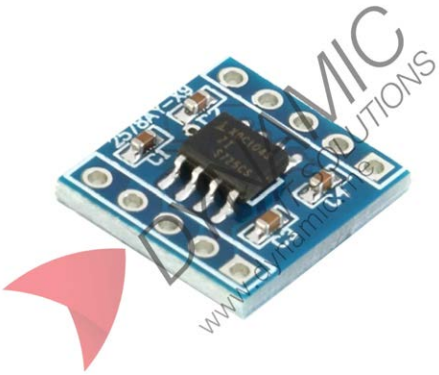
DYNAMIC SOLUTIONS

Jounieh, International Highway
Keserwan, Lebanon
T 00961 9 44 44 05
M 00961 3 26 00 36
info@dynamic.me

Digital Potentiometer X9C104 Module



Features:

The X9C104 Digital Potentiometer Module is a 100KΩ linear resistance IC that provides 100 precise adjustable steps. It supports both incremental and decremental resistance changes via digital control pins (CS, U/D, INC). The module includes automatic memory retention for the last wiper position, ensuring stable performance across power cycles. With a low working current of 3mA and high temperature tolerance, it is ideal for analog signal tuning, volume control, and programmable voltage adjustment systems.

Specifications	
Model	X9C104
Working Voltage	5V
Total Resistance	100KΩ
Terminal Voltage	-5V~+5V
Number of Taps	100
Interface	CS, U/D, INC
Resistance Type	Linear
Working Current	3mA
Package Type	8SOIC
Temperature Range	-40°C to +85°C
Resistance Error	±20%
Step Resolution	1%
Tap Memory	Automatic save on power-off
Usage	Programmable resistance, voltage tuning, signal control

Pinouts:

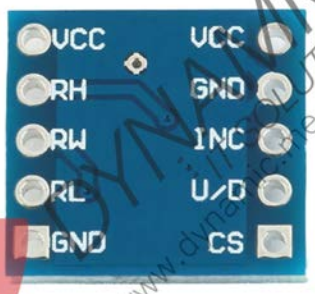
Pin Name	Type	Description
VCC	Power	5V supply
INC	Input	Changes the number of resistors in series; toggled to increment or decrement value
U/D	Input	Controls direction of wiper movement (Up/Down)
RH	Terminal	Fixed terminal of potentiometer (high end)
RL	Terminal	Fixed terminal of potentiometer (low end)
RW	Terminal	Variable terminal equivalent to mechanical wiper
CS	Input	Chip select; activates/deactivates the module
GND	Ground	Module ground

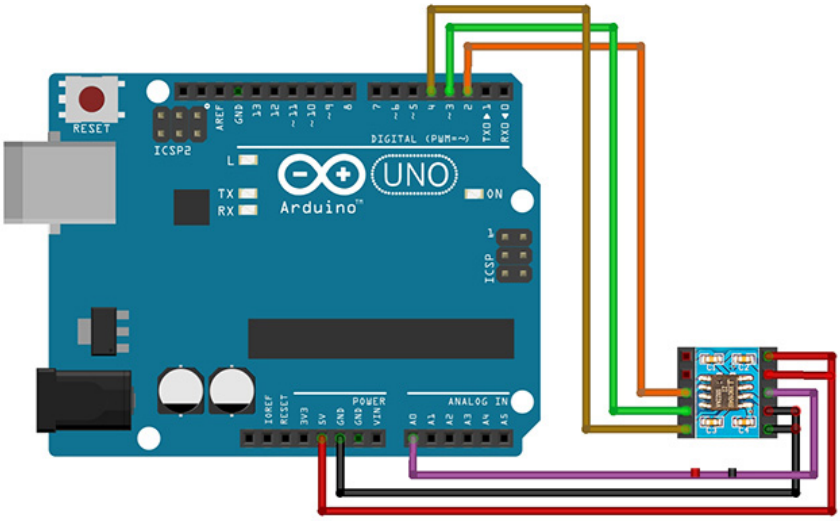
DYNAMIC SOLUTIONS

Jounieh, International Highway
Keserwan, Lebanon

T 00961 9 44 44 05
M 00961 3 26 00 36

info@dynamic.me





Product Pictures: