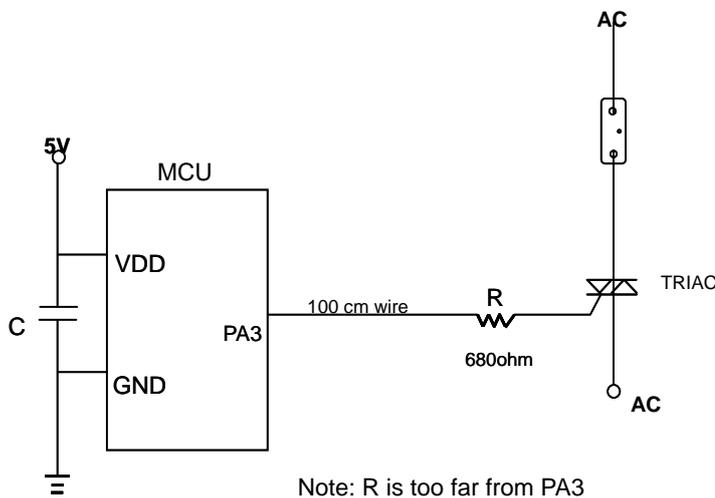


IO output to a long wire

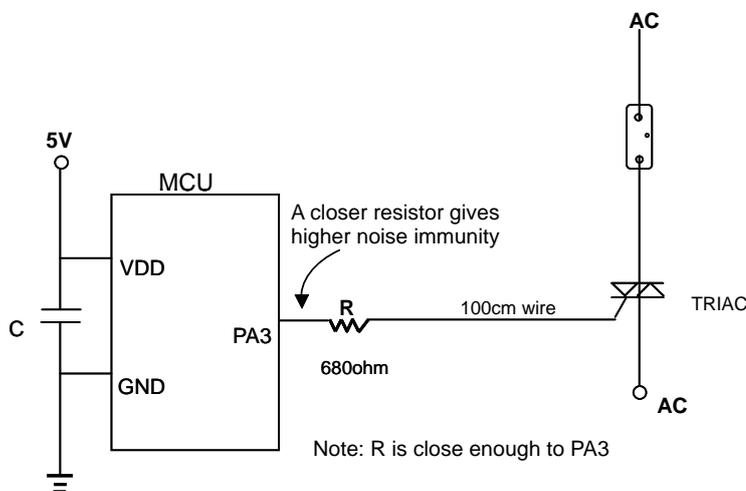
Application Note

Applied for: All MCU

When connect IO as an output to a long wire, a resistor is required (the resistance value should be adjusted accordingly) and it should be connected as close as possible to the IO pin to avoid interference from the wire. The following figure shows an incorrect connection: PA3 is connected to a 100cm long wire first, and then 680ohm resistor, and finally the gate of the TRIAC.



The correct connection should be firstly connecting PA3 to the 680ohm resistor as close as possible, and than the long wire for higher noise immunity.



If you have further questions to the application, please consult to our agent at your nearest location or contact us at fae@padauk.com.tw