

9 Application and Implementation

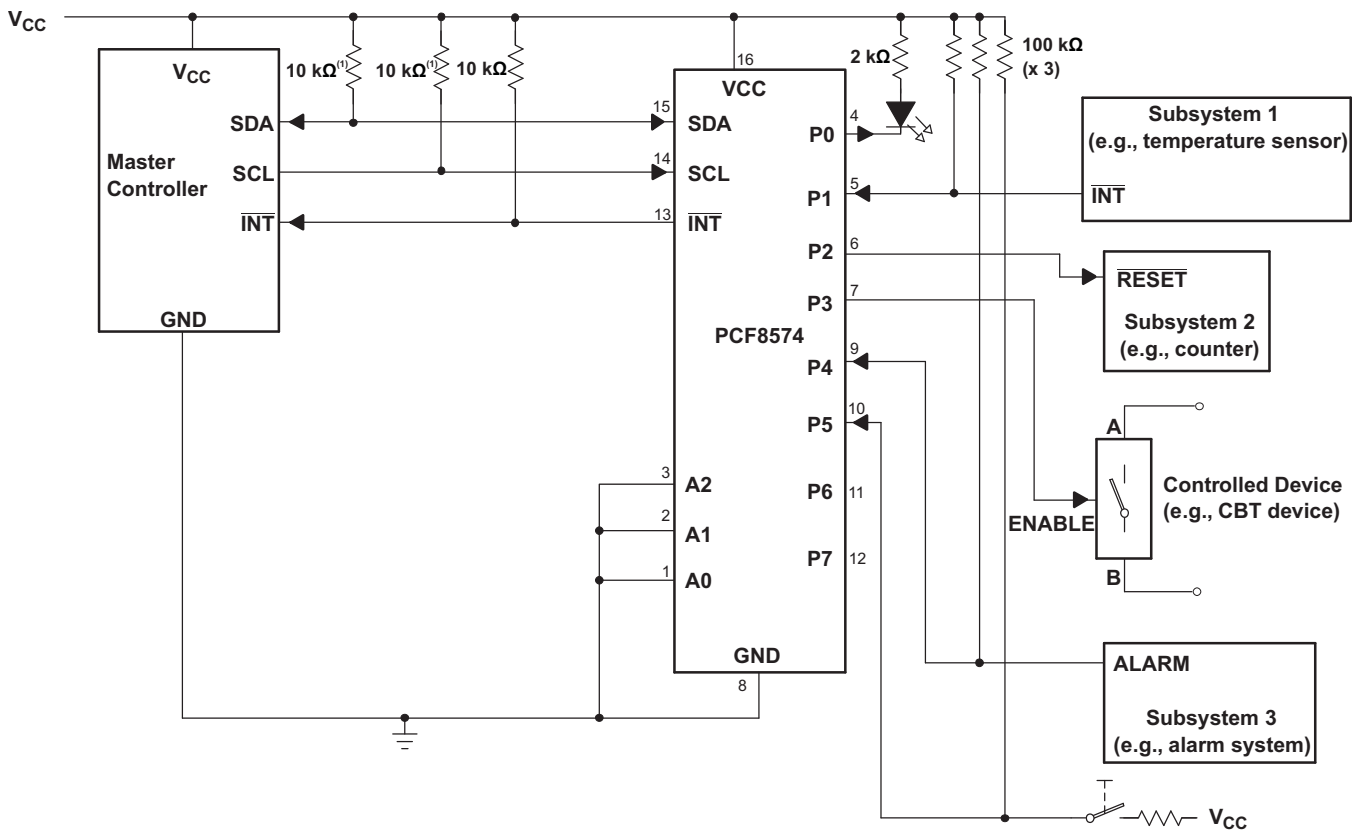
NOTE

Information in the following applications sections is not part of the TI component specification, and TI does not warrant its accuracy or completeness. TI's customers are responsible for determining suitability of components for their purposes. Customers should validate and test their design implementation to confirm system functionality.

9.1 Application Information

Figure 18 shows an application in which the PCF8574 device can be used.

9.2 Typical Application



- (1) The SCL and SDA pins must be tied directly to V_{CC} because if SCL and SDA are tied to an auxiliary power supply that could be powered on while V_{CC} is powered off, then the supply current, I_{CC} , will increase as a result.
- A. Device address is configured as 0100000 for this example.
- B. P0, P2, and P3 are configured as outputs.
- C. P1, P4, and P5 are configured as inputs.
- D. P6 and P7 are not used and must be configured as outputs.

Figure 18. Application Schematic