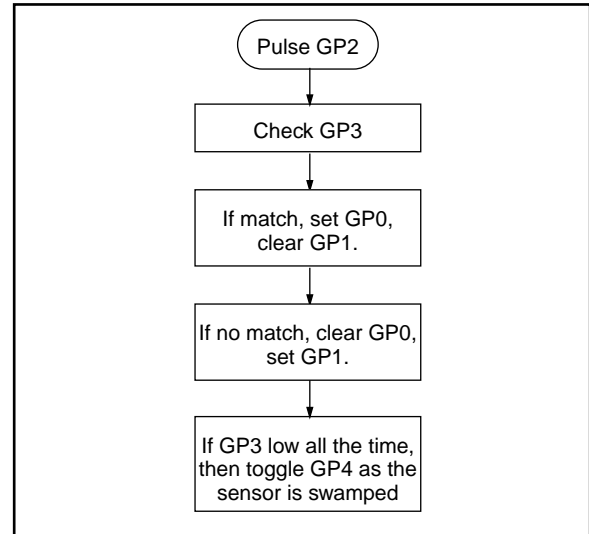


## Pulsed Optical Proximity Detector

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**FIGURE 1: FLOWCHART**



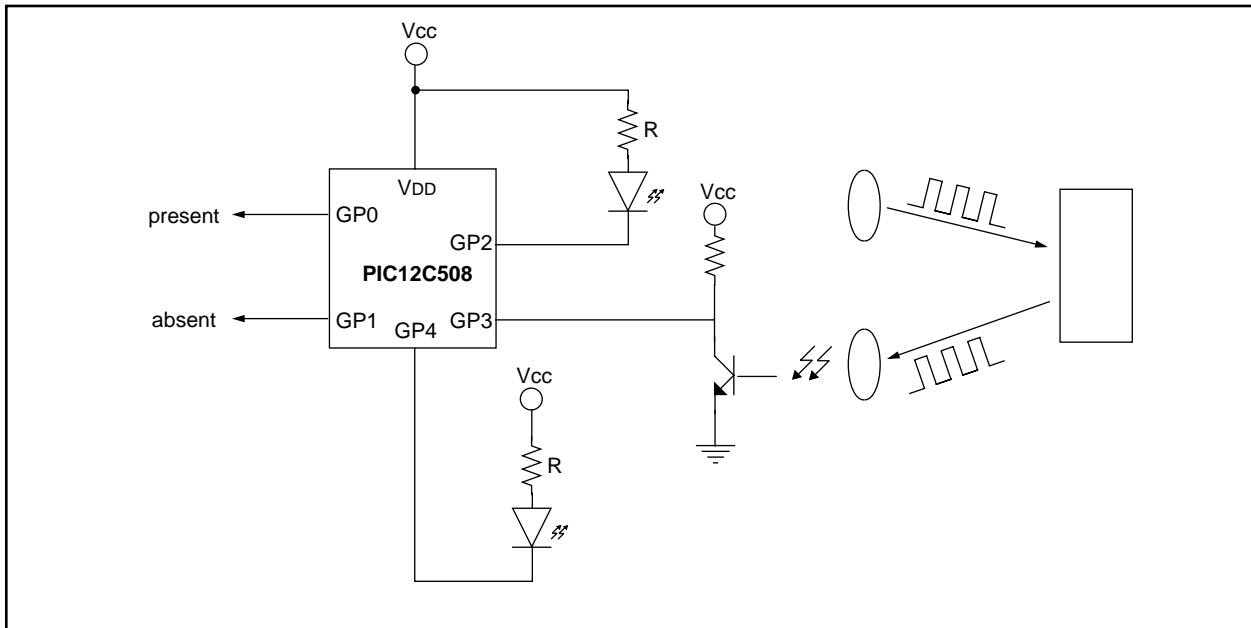
### INTRODUCTION

Using a PIC12C508 to pulse an IR LED and detect the same pattern on the detector, a reliable proximity detector can be made that will reject ambient light effects. This can be used on an assembly line as a sensor.

GP2 must match GP3 both high and low to ensure proper operation.

Present and absent work as Q and  $\bar{Q}$  for equipment flexibility.

**FIGURE 2: SCHEMATIC**



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