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# QRD1113 / QRD1114 Reflective Object Sensor

## Features

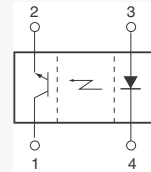
- Phototransistor Output
- No-Contact Surface Sensing
- Unfocused for Sensing Diffused Surfaces
- Compact Package
- Daylight Filter on sensor

## Description

The QRD1113 and QRD1114 reflective sensors consist of an infrared emitting diode and an NPN silicon phototransistor mounted side by side in a black plastic housing. The on-axis radiation of the emitter and the on-axis response of the detector are both perpendicular to the face of the QRD1113 and QRD1114. The phototransistor responds to radiation emitted from the diode only when a reflective object or surface is in the field of view of the detector.



Schematic



PIN 1. Collector    PIN 3. Anode  
PIN 2. Emitter    PIN 4. Cathode

## Ordering Information

Part Number	Operating Temperature	Package	Top Mark	Packing Method
QRD1113	-40 to +85°C	Custom 4L	QRD1113	Bulk
QRD1114		Custom 4L	QRD1114	Bulk