duinotech

Reflective Sensor Linker Module

■ Type: Linker Module

Application: Add On Module

Use to detect light and dark surfaces.

Dimensions: 25(L) x 20(W) x 13(H)mm

Specifications

	Reflective Sensor Linker Module
IO	Digital
Operating Voltage	3.3V or 5V
Sensor	TCRT500
Additional Features	Inbuilt signal inverter

Pinout

PIN	DUINO	Function
SIG	Digital	Output from Sensor
NC		Not Connected
VCC	5V	Power
GND	GND	Ground
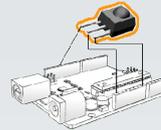
Reflective Sensor Linker Module Overview:

This sensor module uses a reflective infrared sensor. The infrared light is emitted and reflected back to the receiver, it's then inverted by 74LS14 and output to the output pin and the LED. The output signal is a digital signal.
There are 3 active pins: output signal, power supply and ground.
On a white surface, the output signal will be HIGH. On a black/non-reflective surface, the output signal will be low and the LED is off. The working distance from the sensor to the surface is around 1.5cm.

What is included: 1 x Reflective Sensor Linker Module

Essential Accessories: XC4557 Linker Base Shield
XC4558 200mm Linker Lead

Optional Accessories: XC4560 1000mm Linker Lead

Did you know:

You can read digital signal with an analog input, but most analog pins can be set up to work in a digital fashion.

Jaycar Electronics