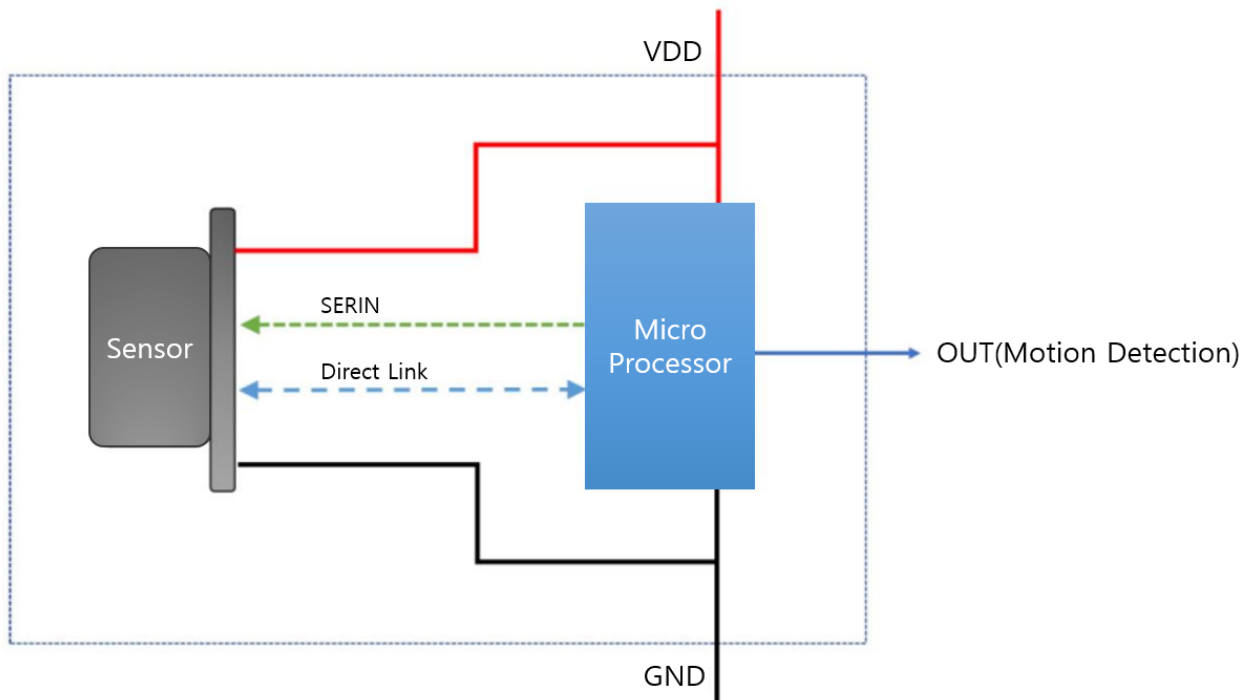


Technical Data Sheet

FF-DigiPyro1598

Rev. 01

Block Diagram (FF-DigiPyro1598)



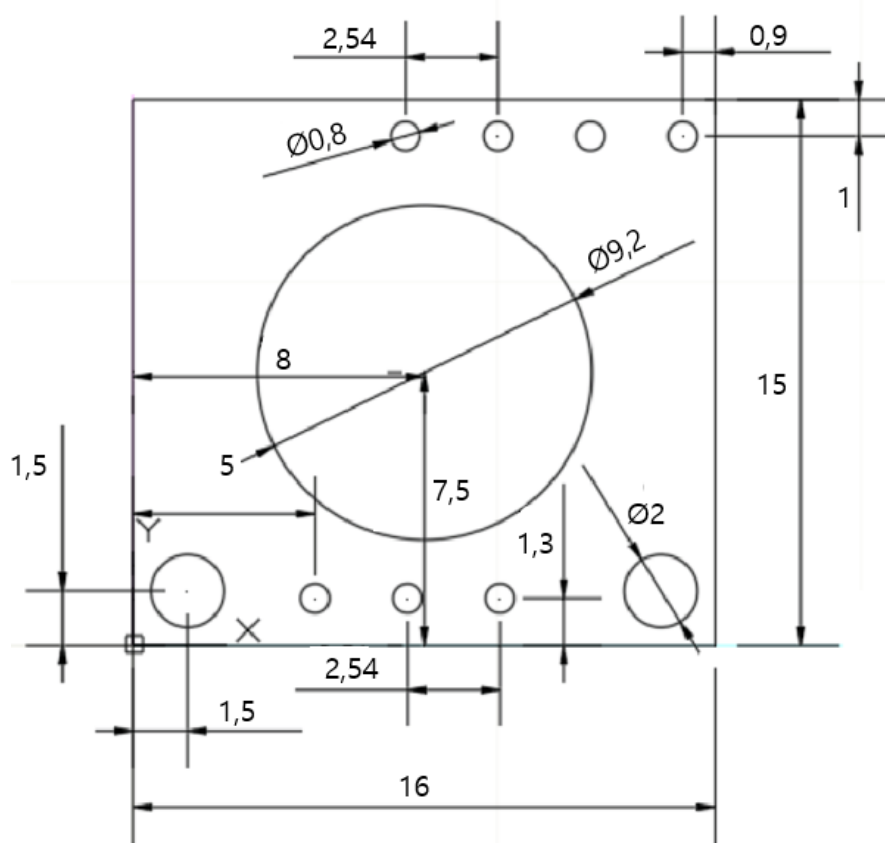
Product Overview

The module is a motion sensor that is using PYD1598, Excelitas to detect the temperature difference between the environment and humans or animals. The module has its own motion-detecting algorithm and easily changes the setting by configuration that is called SERIN. Also, the FF-DigiPyro1598 can build an additional algorithm for more detailed and complex motion detection by signals from Direct Link.

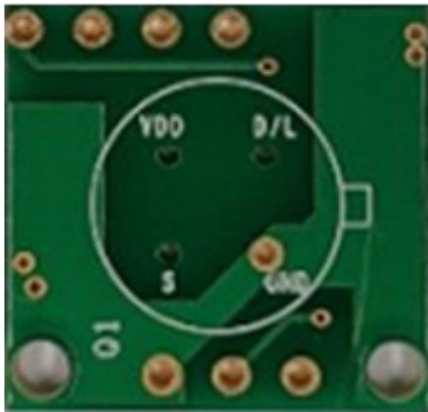
Electrical Specification

Parameter	Symbol	Min	Typ	Max	Remarks
Operating Voltage(V)	V _{DD}	1.8	3	3.6	
Supply Current(uA)	I _{DD}		3		VDD = 1.8V, no load
Output Signal(V)	OUT		3		VDD = 3V
Operating Temperature(°C)		-20		75	
Storage Temperature(°C)		-20		85	

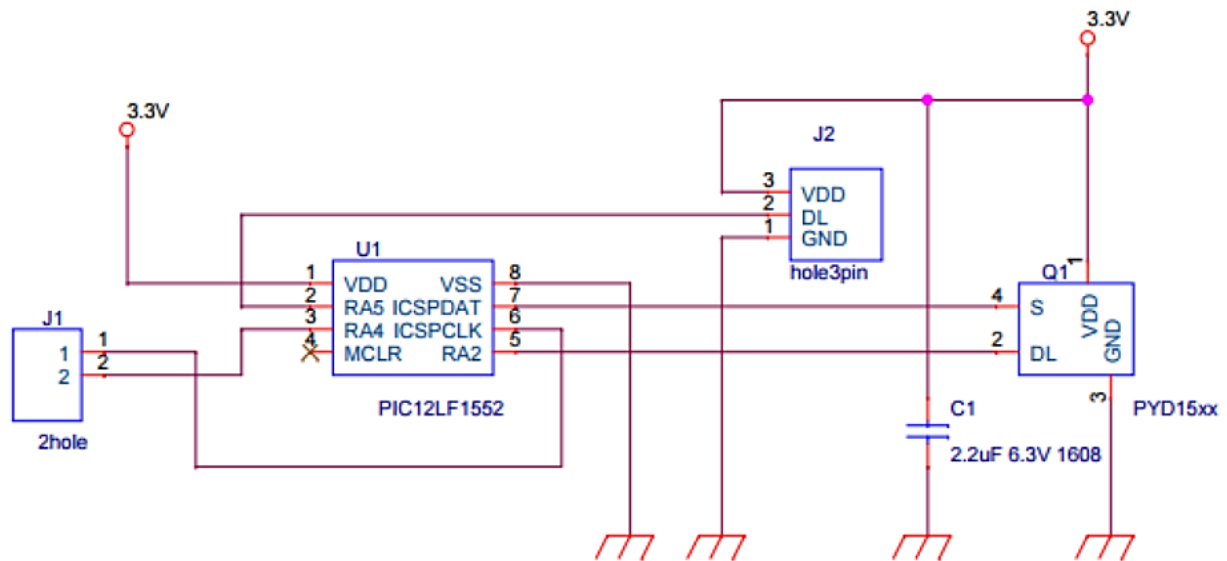
Board Dimension



PCB



Circuit



Fresnel Lens Recommendation

PD09-12008 for various applications

PD08-10B and PF63-10 for people counter

For more choices, please visit FresnelFactory.com or Digikey.com

Useful link

1. **Guide for Lens Selection**
2. **Custom lens (Design request)**
3. **Guide for material selection**
4. **Off-the-shelf products list**
5. **EN50131 & IEC63180 (Performance test)**
6. **Adhesive for IP grade and assembly**
7. **Official Website**
8. **Contact for Sales and Technical Support**

frank.yim@fresnelfactory.com / ashton@fresnelfactory.com