

Individual 3 wire runs  
connecting sensors  
to Circuit Board

Pins go to Arduino

Sheet: Main Board

9Vin  
GND

6V to 12V DC Supply

5.1Vout  
USBg  
Raspberry Pi Power

File: mainboard.sch

Temperature Monitoring Circuit  
4/29/2020  
Rev. 1

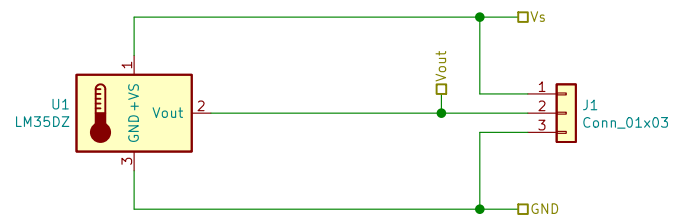
Sheet: /  
File: TempMonitor.sch

**Title:**

Size: A4  
KiCad E.D.A. kicad (5.1.5)-3

Date:

**Rev:**  
Id: 1/14



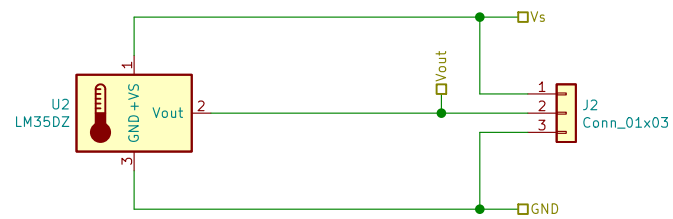
Sheet: /Sensor1/  
File: sensorschematic.sch

**Title:**

Size: A4  
KiCad E.D.A. kicad (5.1.5)–3

Date:

Rev:  
Id: 2/14



Sheet: /Sensor2/  
File: sensorschematic.sch

**Title:**

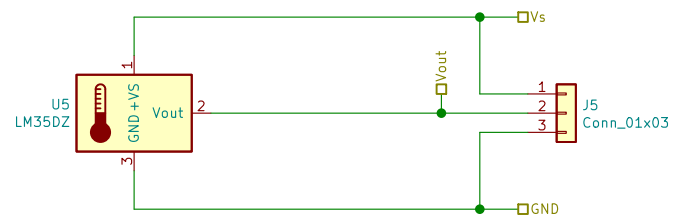
Size: A4  
KiCad E.D.A. kicad (5.1.5)–3

Date:

Rev:  
Id: 3/14







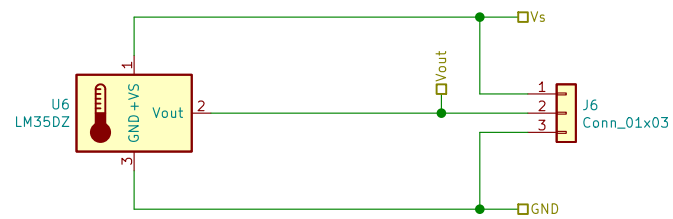
Sheet: /Sensor5/  
File: sensorschematic.sch

**Title:**

Size: A4  
KiCad E.D.A. kicad (5.1.5)–3

Date:

**Rev:**  
Id: 6/14



Sheet: /Sensor6/  
File: sensorschematic.sch

**Title:**

Size: A4  
KiCad E.D.A. kicad (5.1.5) - 3

Date:

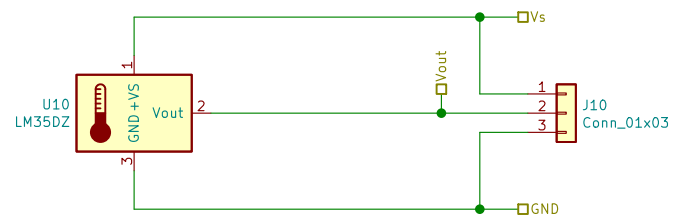
Rev:  
Id: 7/14











Sheet: /Sensor10/  
File: sensorschematic.sch

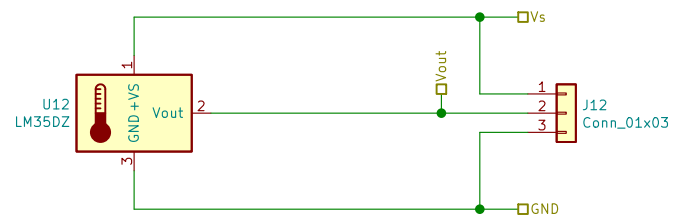
**Title:**

Size: A4  
KiCad E.D.A. kicad (5.1.5) - 3

Date:

**Rev:**  
Id: 11/14





Sheet: /Sensor12/  
File: sensorschematic.sch

**Title:**

Size: A4  
KiCad E.D.A. kicad (5.1.5)-3

Date:

**Rev:**  
Id: 13/14

