**Kit Guide – Pocket Science Lab**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Resistors | | | |  | Capacitors | | | |  | | LED | | | |
|  | | 100 Ω | |  | Polarised | | | Image result for led positive negative |  | | |
|  | | 220 Ω | |
|  | | 560 Ω | |  | capacitor symbolUnpolarised | | | LDR | | | |
|  | | 1K Ω | |  | LDR symbol | | |
|  | | 2.2K Ω | | Diode | | | | Transistors | | | |
|  | | 5.1K Ω | |  | diode symbol | | |  | NPN  NPN transistor symbol | | |
|  | | 10K Ω | |
|  | | 100K Ω | | Temperature | | | |  | | PNP  PNP transistor symbol | | |
|  | | 180K Ω | |  | | LM-35   1. VCC 2. Analog Out 3. Ground | |  | |
|  | | 300K Ω | |  | | Moisture/Rain | | | |
| Microphone | | | |  | Magnetic | | | |  | |  | | FR-04   1. VCC 2. Ground 3. Digital Out 4. Analog Out | |
|  | KY-037   1. Digital Out 2. V+ 3. Ground 4. Analog Out | | |  | | KY-003   1. Ground 2. 5V 3. Signal | |  | |
|  | |
| Gas | | | |  | | | | | | | | | |
|  | | MQ135   1. VCC 2. Ground 3. Digital Out 4. Analog Out | | **More Information**  Official Web Page: - <https://pslab.io>  Google Play: PSLab F-Droid: PSLab   **Please ensure phone battery is at least 30%** | | | | | | | | | |
| Breadboard | | | | | | | |  | | Jumper Wires | | | |
|  | | | Every 5 holes are internally connected in the direction marked in RED | | | | |  | | Image result for jumper wires | | | |
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