

Pic18f45k20:

<https://ww1.microchip.com/downloads/en/DeviceDoc/40001303H.pdf>

Soil Moisture Sensor:

<https://www.datocms-assets.com/28969/1662716326-hw-101-hw-moisture-sensor-v1-0.pdf>

Humidity Sensors:

<https://prod-edam.honeywell.com/content/dam/honeywell-edam/sps/siot/en-us/products/sensors/humidity-with-temperature-sensors/hih-4010-4020-4021-series/documents/sps-siot-hih4010-4020-4021-series-product-sheets-009020-1-en-ciid-51481.pdf>

[HIH-4010/20/21 Series Humidity Sensors](#)

Temperature sensor:

[https://www.stoerk-tronic.com/fileadmin/erp/dokumente/datenblaetter/en/900001\\_030.pdf](https://www.stoerk-tronic.com/fileadmin/erp/dokumente/datenblaetter/en/900001_030.pdf)

Power Bank:

<https://www.amazon.ca/EADP-30FB-5-52-5mm-Delta-Switching-Adapter/dp/B07YZ2VW6C>

<https://www.mpja.com/12-Volt-Adapter-Power-Supply-25A-Delta-Used/productinfo/30226%20PS/>

3.3V voltage regulator:

[https://www.ti.com/lit/ds/symlink/tlv2217.pdf?ts=1732379424632&ref\\_url=https%253A%252F%252Fwww.ti.com%252Fproduct%252FTLV2217%253Futm\\_source%253Dgoogle%2526utm\\_medium%253Dcpc%2526utm\\_campaign%253Dapp-lp-null-44700045336317407\\_prodfolderdynamic-cpc-pf-google-ww\\_en\\_int%2526utm\\_content%253Dprodfolddynamic%2526ds\\_k%253DDYNAMIC+SEARCH+ADS%2526DCM%253Dyes%2526gad\\_source%253D1%2526gclid%253DCjwKCAiAl4a6BhBqEiwAqvrqul\\_1C\\_5vZfVdn8kvcJ8xWgtbSvt4jCsx\\_EvGtZTGMB3VkcCopCP9qBoCWwUQAvD\\_BwE%2526gclsrc%253Daw.ds](https://www.ti.com/lit/ds/symlink/tlv2217.pdf?ts=1732379424632&ref_url=https%253A%252F%252Fwww.ti.com%252Fproduct%252FTLV2217%253Futm_source%253Dgoogle%2526utm_medium%253Dcpc%2526utm_campaign%253Dapp-lp-null-44700045336317407_prodfolderdynamic-cpc-pf-google-ww_en_int%2526utm_content%253Dprodfolddynamic%2526ds_k%253DDYNAMIC+SEARCH+ADS%2526DCM%253Dyes%2526gad_source%253D1%2526gclid%253DCjwKCAiAl4a6BhBqEiwAqvrqul_1C_5vZfVdn8kvcJ8xWgtbSvt4jCsx_EvGtZTGMB3VkcCopCP9qBoCWwUQAvD_BwE%2526gclsrc%253Daw.ds)

5V voltage regulator:

<https://www.ti.com/lit/ds/symlink/lm340.pdf>

LCD display:

<file:///C:/Users/david/Downloads/27976-7-9-ParallaxSerialLCD-v2.1.pdf>

Mini Water Pump:

<https://techmaze.romman.store/product/99187936>

4 channel relays:

<https://www.handsontec.com/dataspecs/4Ch-relay.pdf>

<https://components101.com/switches/5v-four-channel-relay-module-pinout-features-applications-working-datasheet>

Instrumentation Amplifier:

<https://www.analog.com/media/en/technical-documentation/data-sheets/ad623.pdf>