

The diagram shows a PIC16F877A-E-P microcontroller with the following connections:

- Power and Reset:**
 - VDD (pin 11) connected to +5V.
 - VSS (pin 12) connected to GND.
 - MCLR/VPP (pin 4) connected to +5V through a 10kΩ resistor (R3).
 - OSC1/CLKI (pin 13) and OSC2/CLKO (pin 14) connected to a crystal (Y1) and a 6pF capacitor (C1).
 - Two 100nF capacitors (C5, C6) are connected between the +5V and GND pins.
- Sensors and I/O:**
 - Moisture/Light Sensor:** RA0/AN0 (pin 15) and RA1/AN1 (pin 16) connected to the sensor.
 - Humid/Dehumid Light:** RB0/INT (pin 33) and RB1 (pin 34) connected to the sensor.
 - PGM Clk/Data:** RB2 (pin 35) connected to PGM Clk, RB3/PGM (pin 36) connected to PGM Data, RB4 (pin 37) connected to PGM Data, RB5 (pin 38) connected to PGM Data, RB6/PGC (pin 39) connected to PGM Data, and RB7/PGD (pin 40) connected to PGM Data.
 - Heater Cooler:** RC0/TI0SO/T1CKI (pin 45) connected to the heater cooler.
 - SCL/SDA:** RC1/TI0SI/CCP2 (pin 46) connected to SCL, RC2/CCP1 (pin 47) connected to SDA, RC3/SCK/SCL (pin 48) connected to SCL, RC4/SDI/SDA (pin 49) connected to SDA, RC5/SDO (pin 50) connected to SDA, RC6/TX/CK (pin 51) connected to SDA, and RC7/RX/DT (pin 52) connected to SDA.
 - Airflow/Wump:** RE0/RD/AN5 (pin 53) connected to the sensor, RE1/WR/AN6 (pin 54) connected to the sensor, and RE2/CS/AN7 (pin 55) connected to the sensor.

Diagram illustrating the Programming Ports of the TSW-106-17-G-S-LL component. The component is a 6-pin connector. The pins are labeled as follows:

- Pin 1: ECJ218 SW1
- Pin 2: PGM Switch
- Pin 3: P1
- Pin 4: PGM Data
- Pin 5: PGM Clk
- Pin 6: GND

The component is labeled TSW-106-17-G-S-LL and Programming Ports.

Diagram illustrating the connection for the LCD Display (U5). The connections are as follows:

- Vss: Connected to GND.
- Vdd: Connected to +5V.
- VO: Connected to GND.
- RS: Connected to +5V.
- RW: Connected to +5V.
- E: Connected to the wiper of variable resistor VR1.
- DB0: Connected to +5V.
- DB1: Connected to +5V.
- DB2: Connected to +5V.
- DB3: Connected to +5V.
- DB4: Connected to GND.
- DB5: Connected to +5V.
- DB6: Connected to +5V.
- DB7: Connected to +5V.
- LED+: Connected to +5V.
- LED-: Connected to GND.

U5: WHI602B-YYH-JT LCD Display

Three circuit diagrams showing the connection of LCD control buttons PB1, PB2, and PB3. Each button is connected to a +5V supply through a 10k resistor (R4, R5, R6) and to a switch (SW2, SW3, SW4) which is connected to GND. The switches are labeled 1-1825910-4.

M Sensor

1 2 3

1 2 3 Moist Sense

+5

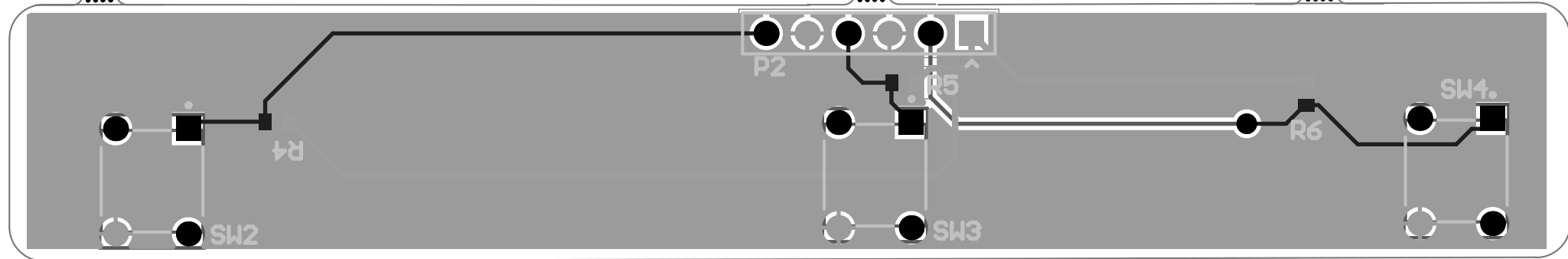
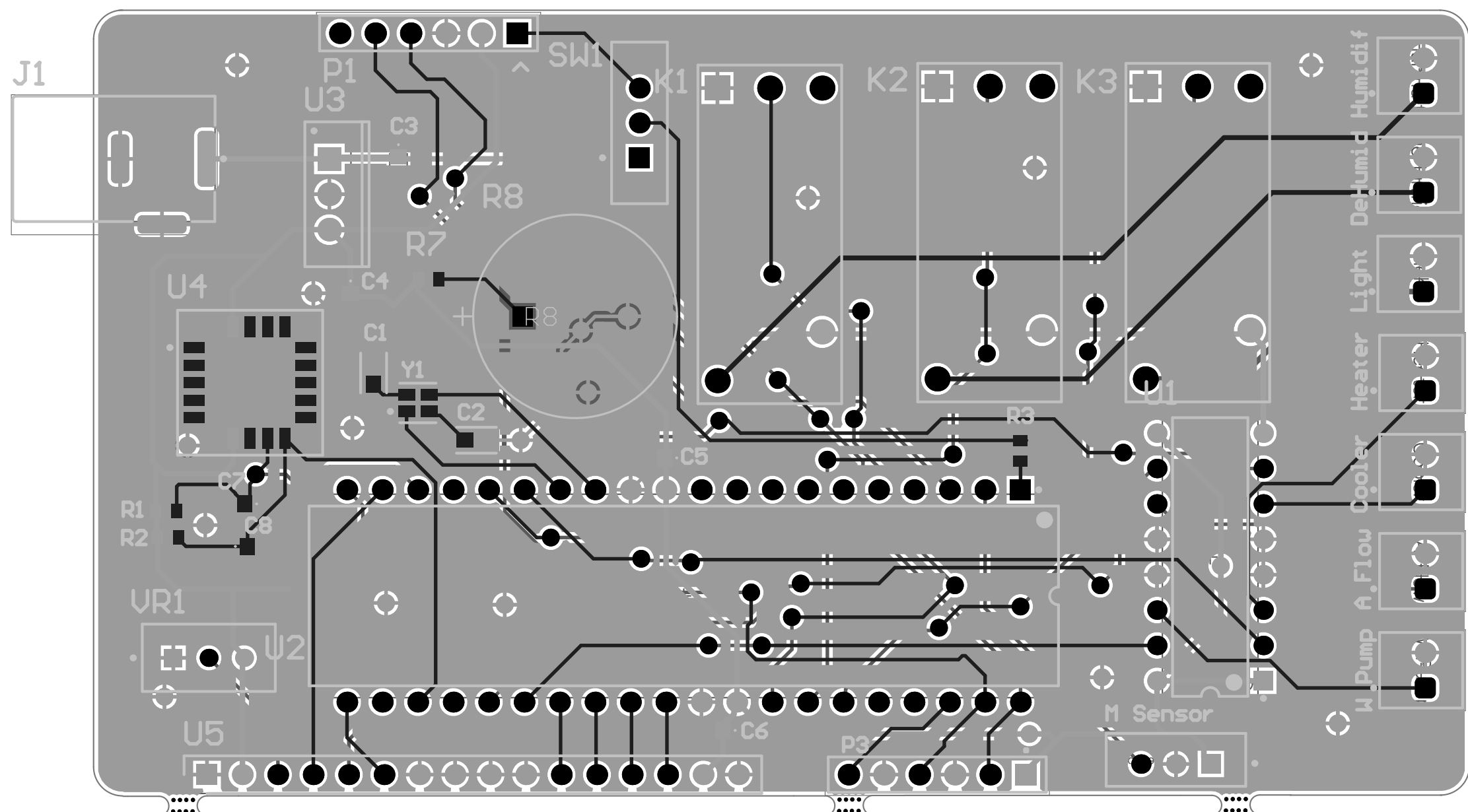
GND

B3B-EH(LF)(SN)

Moisture Sensor (1)

The diagrams illustrate the connection of the ADW1203HTW module to a relay for three different applications: Humidifier (K1), Dehumidifier (K2), and Light (K3). Each module is connected to a +12V power source and ground. The relay is connected to the module's output terminals (1, 2, 3, 4, 5, 6, 7, 8) and the power source/ground.

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Board Stack Report