

Bill Of Materials for DHT11_22_SCH

13 Capacitors

| Quantity | References | Value | Description |
|----------|-----------------|-------|--|
| 4 | C1,C3,C5,C7 | 47u | 47u 25V 70mA Miniture Electrolytic Capacitor |
| 9 | C2,C4,C6,C8-C13 | 1u | CAP CERM 4.7uF 10% 10V X5R 1206 |

Sub-totals:

34 Resistors

| Quantity | References | Value | Description |
|----------|---------------------------------|-------|--|
| 9 | R1-R3,R6-R7,R13, R32-R33,R35 | 470 | Through Hole Resistor 0.25W, 1% 47 Ohm |
| 2 | R4,R8 | 120R | Through Hole 0.25W, 1%, 120 Ohm |
| 1 | R5 | 5k | Generic resistor symbol |
| 3 | R9,R11,R14 | 4K7 | Through Hole Resistor 0.25W, 1% 4k7 |
| 7 | R10,R12,R15,R24, R26,R28,R30 | 10K | Through Hole Resistor 0.25W, 1% 10K |
| 8 | R16-R23 | 47 | Through Hole Resistor 0.25W, 1% 47 Ohm |
| 4 | R25,R27,R29,R31 | 47K | Through Hole Resistor 0.25W, 1% 47K |

Sub-totals:

9 Integrated Circuits

| Quantity | References | Value | Description |
|----------|------------|----------|---|
| 2 | U1,U9 | 7805 | 5V Fixed 1A Positive Power Supply Regulator. |
| 2 | U2,U7 | ATMEGA8 | 8 KBytes Flash, 1088 Bytes SRAM, 512 Bytes EEPROM, ADC, Analog Comparator, TWI, SPI, 3 Ports, 3 Timers, 1 USART |
| 2 | U3,U6 | SN75179 | Differential Driver & Receiver Pair ,TIA/EIA-422-B, TIA/EIA-485-A |
| 1 | U4 | IRM10-12 | AC/DC PCB Mount Power Supply , 1 Output, 10 W, 12 V, 850mA |
| 1 | U5 | 74HC595 | 8-Bit Shift Registers With Tristate Output Registers |
| 1 | U11 | DHT22 | Temperature and humidity sensor DHT22 |

Sub-totals:

7 Transistors

| Quantity | References | Value | Description |
|----------|------------|-------|--|
| 7 | Q1-Q6,Q11 | BC337 | Silicon NPN Low Power High Frequency Bipolar Transistor (625mW, 150eC) |

Sub-totals:

13 Diodes

| Quantity | References | Value | Description |
|----------|------------------|---------------|-------------------------|
| 6 | D1,D6,D8,D11-D13 | LED- GREEN | LED 5mm (Green) 2mA |
| 4 | D2,D4,D9-D10 | LED-RED | LED 5mm (Red) 2mA |
| 3 | D3,D5,D7 | 1N4003 | Si; 200.0V 1.00A 3.00us |

Sub-totals:

22 Miscellaneous

| Quantity | References | Value | Description |
|----------|------------|---------------|---|
| 4 | DIS1-DIS4 | HDSP- C1E1 | Common Anode 7 Segment LED Display, Red, 20 mA, 4 V, 12 mcd, 1, 25.4 mm |
| 2 | FU1-FU2 | 10A | Fuse 5x20mm |
| 1 | FU3 | 1A | Fuse 5x20mm |
| 4 | J1-J4 | TBLOCK- I4 | Imperial pitch terminal block |
| 8 | J5-J12 | TBLOCK- M2 | Metric pitch terminal block |
| 3 | RL1-RL3 | 4V | Finder 44 Series DPDT Non-Latching Relay PCB Mount, 12V dc 55mA Coil, 10A |

Sub-totals: