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| **Bill of material (Digital Water Flow Meter)** | | | | | | | |
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|
| **SR. NO** | **Name of component** | **Designator** | **Footprint** | **Quantity** | **Manufacturer Part** | **Manufacturer** | **Price (Inclusive of Taxes)** |
| 1 | 1117 3.3 | U1 | 1117-SOT89 | 1 | LM1117 |  | Rs.9.50 |
| 2 | ATMEGA328P-AU | U2 | TQFP-32\_7X7X08P | 1 | ATMEGA328P-AU | MICROCHIP | Rs.230.00 |
| 3 | 4pin I2C monochrome OLED Display | OLED1 | OLED 1.3 IIC/I2C | 1 |  |  | Rs. 292.00 |
| 4 | 1206 SMD Resistor 1% 10K ohm | R1,R2,R4,R5 | 1206 | 4 | 1206 SMD Resistor 1% 10K ohm |  | Rs.18.00 |
| 5 | 1u Capacitor | C1 | CAP-D3.0XF1.5 | 1 |  |  | Rs.20.00 |
| 6 | 1k Resistor | R3 | AXIAL-0.3 | 1 |  |  | Rs.20.00 |
| 7 | LED-3MM | LED1 | LED-3MM/2.54 | 1 | 204-10SURD/S530-A3 | EVERLIGHT | Rs.19.00 |
| 8 | 16MHz | X1 | OSC-49S-1 | 1 | X49SD12MSD2SC | YXC | Rs. 13.00 |
| 9 | 22pF Capacitor | C2,C3 | RAD-0.1 | 2 |  |  | Rs. 20.00 |
| 10 | Header-Female-2.54\_1x5 | H1 | HDR-5X1/2.54 | 1 | 2.54mm 1\*5p Female header | BOOMELE | RS.59.00 |
| 11 | EVQ22705R | RESET | KEY-6.0\*6.0-4 | 1 | EVQ22705R | PANASONIC | Rs. 10.00 |
| 12 | Header-Male-2.54\_1x3 | P1 | HDR-3X1/2.54 | 1 | Header2.54mm 1\*3P | BOOMELE | Rs. 49.00 |