



| # | RefDes | Value | Name | Quantity |
|----|---|---------------------|-------------------|----------|
| 1 | C1, C2, C3, C4, C5, C6, C8, C11, C12, C13 | 100nF | CAP_0603 | 10 |
| 2 | C7, C9, C10 | 100uF | CAPAE_6.6x6.6h5.4 | 3 |
| 3 | CN1 | 15EDGRC-3.81-04P | 8Way,3.81mm,Vert | 1 |
| 4 | CN2 | 15EDGVC-3.81-03P-14 | 3Way, 3.81, Vert | 1 |
| 5 | D1, D2, D3, D4, D5, D6 | | DIO_0603_N | 6 |
| 6 | D7, D8, D11 | Green | LED_0805 | 3 |
| 7 | D9, D10 | 508-933 | PMEG010CEH,115 | 2 |
| 8 | J1 | Soil Moisture | HDRF-1x4 | 1 |
| 9 | J2 | Temp & Hum | HDRF-1x3 | 1 |
| 10 | J3 | MJ179P | DC-Jack | 1 |
| 11 | J4 | RTC | HDRF-1x6 | 1 |
| 12 | L1 | 812-0764 | IND_0805 | 1 |
| 13 | Q1, Q2, Q3, Q5 | | MMBT2222A,215 | 4 |
| 14 | Q4 | | IRF9540NPBF | 1 |
| 15 | R1, R3, R5, R11 | 1k | RES_0603 | 4 |
| 16 | R2, R4, R6, R9, R12 | 100k | RES_0603 | 5 |
| 17 | R7, R8, R13 | 320R | RES_0603 | 3 |
| 18 | R10 | 10k | RES_0603 | 1 |
| 19 | R14 | 4.7k | RES_0603 | 1 |
| 20 | RL1, RL2, RL3, RL4 | FCGT-PSDD60 | FCGT-PSDD60 | 4 |
| 21 | U1 | PH Meter V2.0 | PH Meter | 1 |
| 22 | U2, U3 | | LM358AD | 2 |
| 23 | U4 | TDS Meter V1.0 | TDS Meter | 1 |
| 24 | U5 | | DFR0654 | 1 |
| 25 | U6 | 193-3976 | TSR 1-2450 | 1 |
| 26 | U7 | | LM117MPX | 1 |