

Reference	Value
J1	Conn_02x20_Odd_Even
U1	LM7805_TO220
U2	LM1117-3.3
C1	0,33uF
C2	0,1uF
C3	0,33uF
C4	0,1uF
D1	1N4001
D2	1N4001
U8	BUCK_BOOST_BOARD
U3	RFM95W-915S2
C5	100nF
J2	5-1814400-1
C6	1uF
U5	CD74HC4067M
U4	ADS1115IDGST
C7	4,7uF
C13	1uF
C9	0,01uF
C8	4,7uF
C10	1uF
D3	LED
R6	1K
L1	1,5uH
R3	10k
R4	10k
R5	10k
C12	1uF
C11	1uF
R2	10K
R1	10k
U6	BQ24160RGET
Q1	Si2371EDS
D4	1N47xxA 17V
R8	1K
J4	Conn_01x02_Male
Q2	Si2371EDS
D5	1N47xxA 9V
R7	1K
J5	Conn_01x02_Male
Q3	Si2371EDS
D6	1N47xxA 5V
R9	1K
J3	Conn_01x02_Male
J9	Conn_01x06_Male
J7	Conn_01x06_Male
J10	Conn_01x06_Male
J8	Conn_01x06_Male
J11	Conn_01x06_Male
J6	Conn_01x06_Male
J12	Conn_01x03_Female
U7	DHT11

Footprint

Connector\_PinHeader\_2.54mm:PinHeader\_2x20\_P2.54mm\_Vertical  
 Package\_TO\_SOT\_THT:TO-220-3\_Vertical  
 Package\_TO\_SOT\_THT:TO-220-3\_Vertical  
 Capacitor\_THT:CP\_Radial\_D4.0mm\_P1.50mm  
 Capacitor\_THT:CP\_Radial\_D4.0mm\_P1.50mm  
 Capacitor\_THT:CP\_Radial\_D4.0mm\_P1.50mm  
 Capacitor\_THT:CP\_Radial\_D4.0mm\_P1.50mm  
 Diode\_THT:D\_DO-41\_SOD81\_P10.16mm\_Horizontal  
 Diode\_THT:D\_DO-41\_SOD81\_P10.16mm\_Horizontal  
 22-23-2061:DIP-4\_1889\_ELL  
 RF\_Module:HOPERF\_RFM9XW\_SMD  
 Capacitor\_SMD:C\_0805\_2012Metric  
 digikey-footprints:RF\_SMA\_RightAngle\_5-1814400-1  
 Capacitor\_SMD:C\_0805\_2012Metric  
 Package\_SO:SOIC-24W\_7.5x15.4mm\_P1.27mm  
 digikey-footprints:MSOP-10\_W3mm  
 Capacitor\_SMD:C\_0805\_2012Metric  
 Capacitor\_SMD:C\_0805\_2012Metric  
 Capacitor\_SMD:C\_0805\_2012Metric  
 Capacitor\_SMD:C\_0805\_2012Metric  
 Capacitor\_SMD:C\_0805\_2012Metric  
 LED\_SMD:LED\_0805\_2012Metric  
 Resistor\_SMD:R\_0805\_2012Metric  
 Inductor\_THT:L\_Radial\_D6.0mm\_P4.00mm  
 Resistor\_SMD:R\_0805\_2012Metric  
 Resistor\_SMD:R\_0805\_2012Metric  
 Resistor\_SMD:R\_0805\_2012Metric  
 Capacitor\_SMD:C\_0805\_2012Metric  
 Capacitor\_SMD:C\_0805\_2012Metric  
 Resistor\_SMD:R\_0805\_2012Metric  
 Resistor\_SMD:R\_0805\_2012Metric  
 Package\_DFN\_QFN:QFN-24-1EP\_4x4mm\_P0.5mm\_EP2.6x2.6mm  
 Package\_TO\_SOT\_SMD:SOT-23  
 Diode\_THT:D\_DO-41\_SOD81\_P10.16mm\_Horizontal  
 Resistor\_SMD:R\_0805\_2012Metric  
 digikey-footprints:Term\_Block\_1x2\_P5mm  
 Package\_TO\_SOT\_SMD:SOT-23  
 Diode\_THT:D\_DO-41\_SOD81\_P10.16mm\_Horizontal  
 Resistor\_SMD:R\_0805\_2012Metric  
 digikey-footprints:Term\_Block\_1x2\_P5mm  
 Package\_TO\_SOT\_SMD:SOT-23  
 Diode\_THT:D\_DO-41\_SOD81\_P10.16mm\_Horizontal  
 Resistor\_SMD:R\_0805\_2012Metric  
 digikey-footprints:Term\_Block\_1x2\_P5mm  
 Connector\_Molex:Molex\_KK-254\_AE-6410-06A\_1x06\_P2.54mm\_Vertical  
 Connector\_Molex:Molex\_KK-254\_AE-6410-06A\_1x06\_P2.54mm\_Vertical  
 Connector\_Molex:Molex\_KK-254\_AE-6410-06A\_1x06\_P2.54mm\_Vertical  
 Connector\_Molex:Molex\_KK-254\_AE-6410-06A\_1x06\_P2.54mm\_Vertical  
 Connector\_Molex:Molex\_KK-254\_AE-6410-06A\_1x06\_P2.54mm\_Vertical  
 Connector\_Molex:Molex\_KK-254\_AE-6410-06A\_1x06\_P2.54mm\_Vertical  
 Connector:FanPinHeader\_1x03\_P2.54mm\_Vertical  
 Sensor:Aosong\_DHT11\_5.5x12.0\_P2.54mm