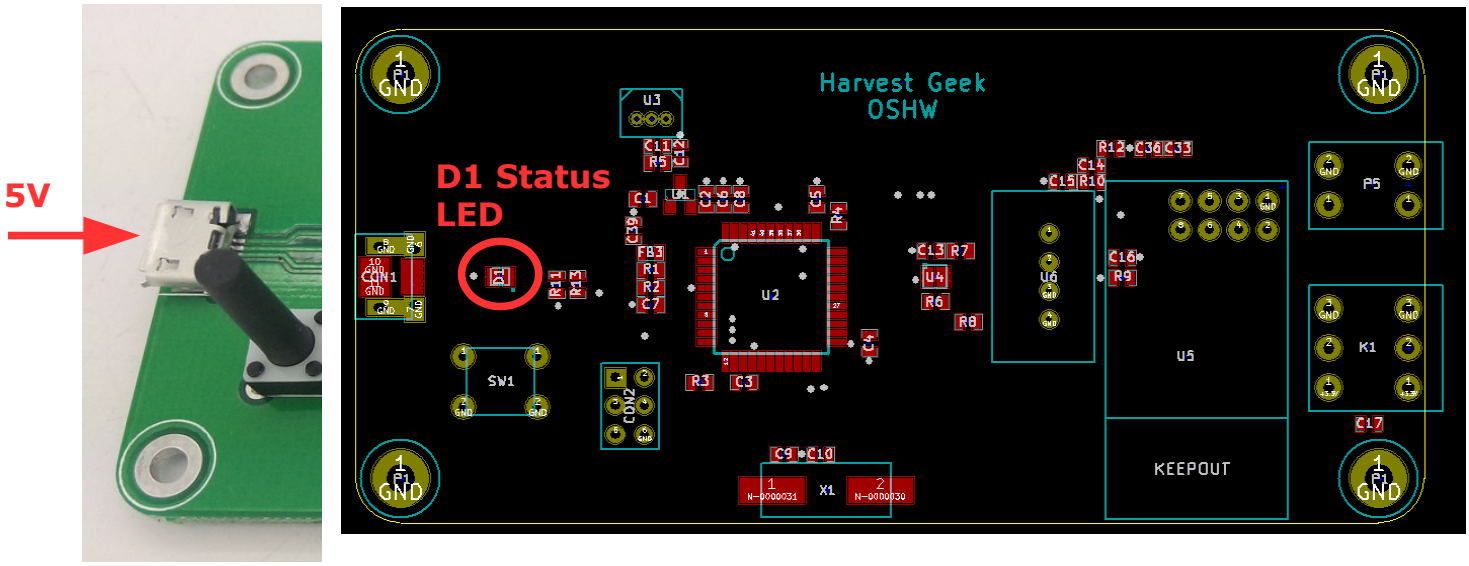
Harvest Geek Sensor Station Test Procedure

Follow the below power on test procedure after component assembly and firmware burning.

1. Insert 5V power (micro USB cable) as shown below
2. Inspect LED D1 (circled below, top side PCB shown) and asses against **PASS** or **FAIL** criteria in table below.
3. If unit meets a ***FAIL*** criteria fill out a failure mode document.



PASS

Light Status	***Status***
Blinking **GREEN**	OK, not connected to base station
Solid **GREEN**	OK, connected to base station

FAIL

Light Status	***Error***
Solid **RED**	Light sensor communication
Blinking **RED**	Humidity sensor communication
Solid **GREEN** & **RED**	NRF module communication
Blinking alternately **RED** & **GREEN**	No PID in EEPROM
NO light	LED failure

Failure mode documents

Light Status	***Error***	***Check***	***Test Operator***	***Date***
Solid **RED**	Light sensor	□		
Blinking **RED**	Humidity sensor	□		
Solid **GREEN** & **RED**	NRF module	□		
Blinking alternately **RED** & **GREEN**	No PID in EEPROM	□		
NO light	LED failure	□		

Light Status	***Error***	***Check***	***Test Operator***	***Date***
Solid **RED**	Light sensor	□		
Blinking **RED**	Humidity sensor	□		
Solid **GREEN** & **RED**	NRF module	□		
Blinking alternately **RED** & **GREEN**	No PID in EEPROM	□		
NO light	LED failure	□		

Light Status	***Error***	***Check***	***Test Operator***	***Date***
Solid **RED**	Light sensor	□		
Blinking **RED**	Humidity sensor	□		
Solid **GREEN** & **RED**	NRF module	□		
Blinking alternately **RED** & **GREEN**	No PID in EEPROM	□		
NO light	LED failure	□		

Light Status	***Error***	***Check***	***Test Operator***	***Date***
Solid **RED**	Light sensor	□		
Blinking **RED**	Humidity sensor	□		
Solid **GREEN** & **RED**	NRF module	□		
Blinking alternately **RED** & **GREEN**	No PID in EEPROM	□		
NO light	LED failure	□		

Light Status	***Error***	***Check***	***Test Operator***	***Date***
Solid **RED**	Light sensor	□		
Blinking **RED**	Humidity sensor	□		
Solid **GREEN** & **RED**	NRF module	□		
Blinking alternately **RED** & **GREEN**	No PID in EEPROM	□		
NO light	LED failure	□		