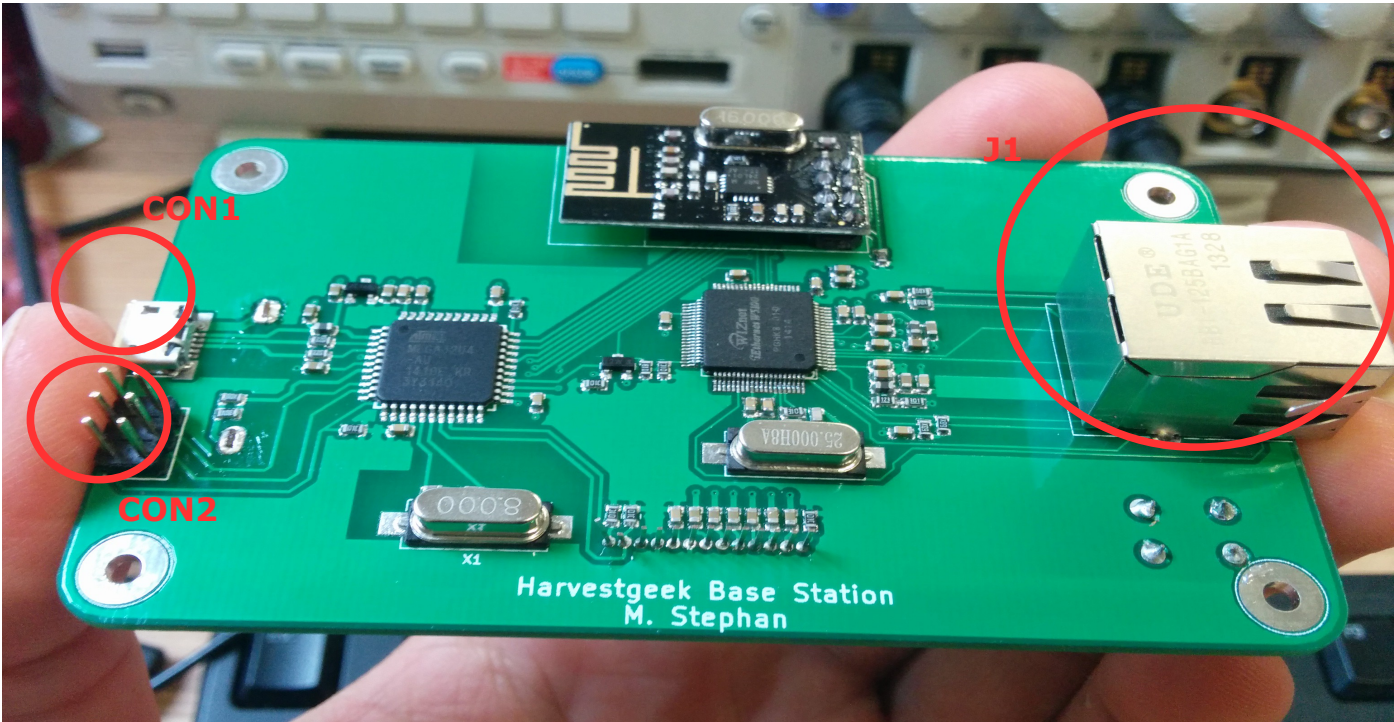


# Harvest Geek Base Station PCB Assembly Guide

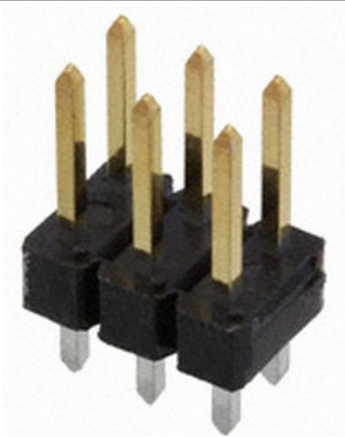

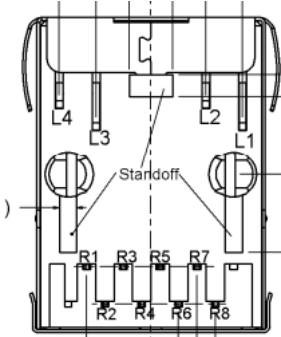
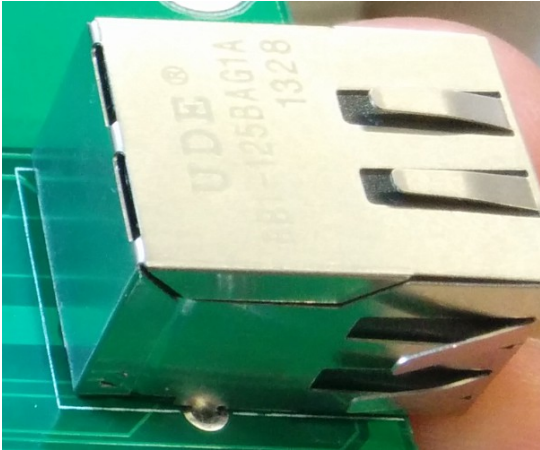
This guide details the correct location, orientation and misc assembly instructions for each component on the Base Station PCB.

Detailed component information (component specific guidelines, re-flow temperature curves etc) can be found in the BOM and component data sheets (included).

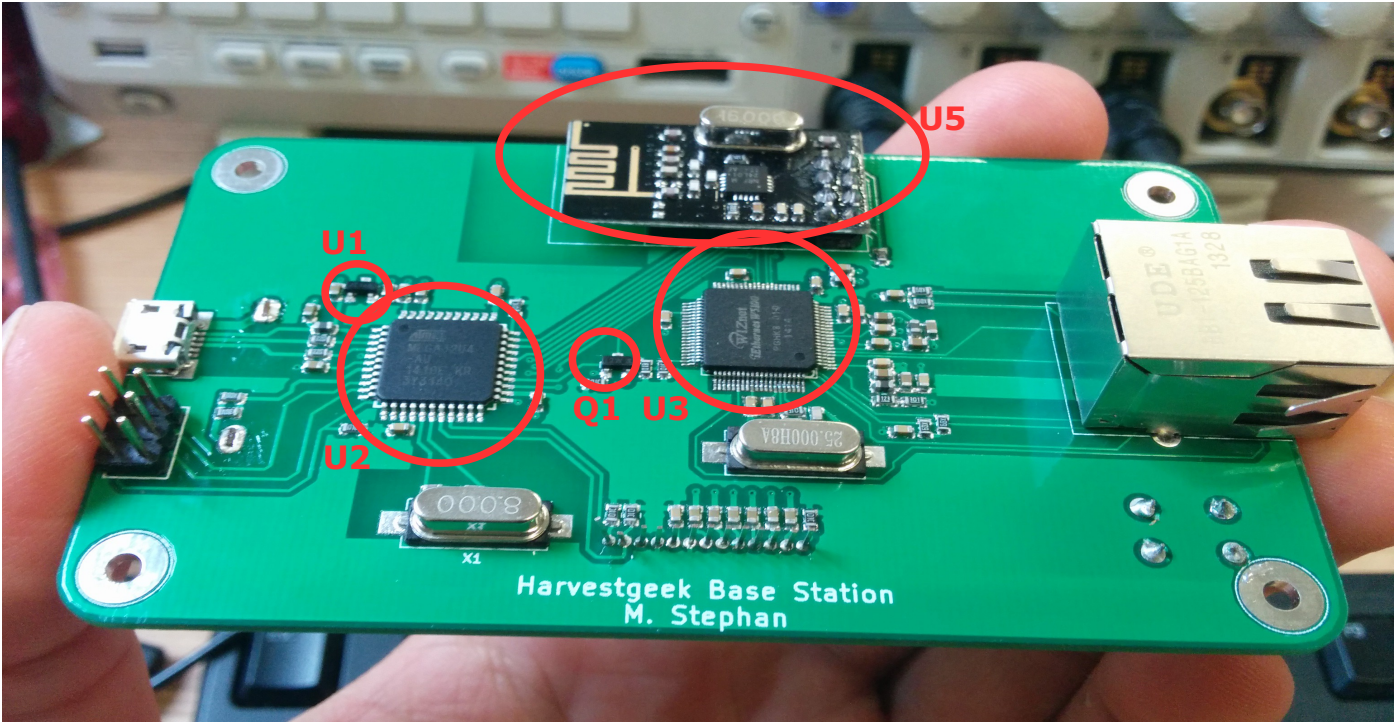
## Connectors



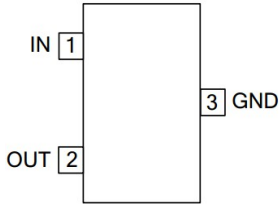

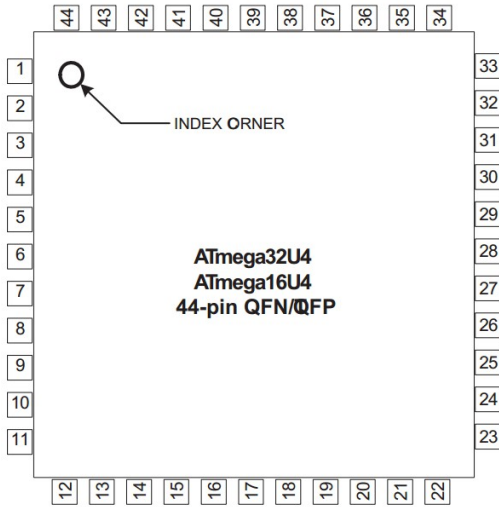

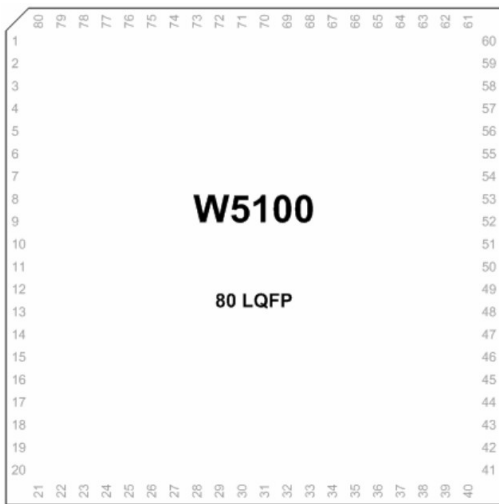

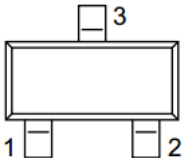

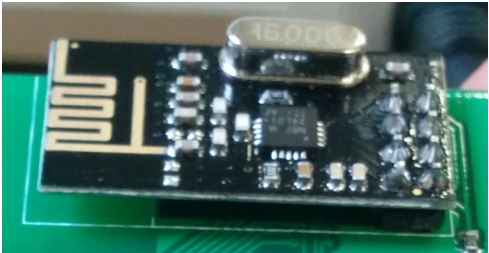
Part	Part Number	Pinout/Pin 1 Indicator	Pin 1 on PCB (circled RED)
CON1	10103594-0001LF		

CON2	67996-206HLF		
J1	RB1-125BAG1A		

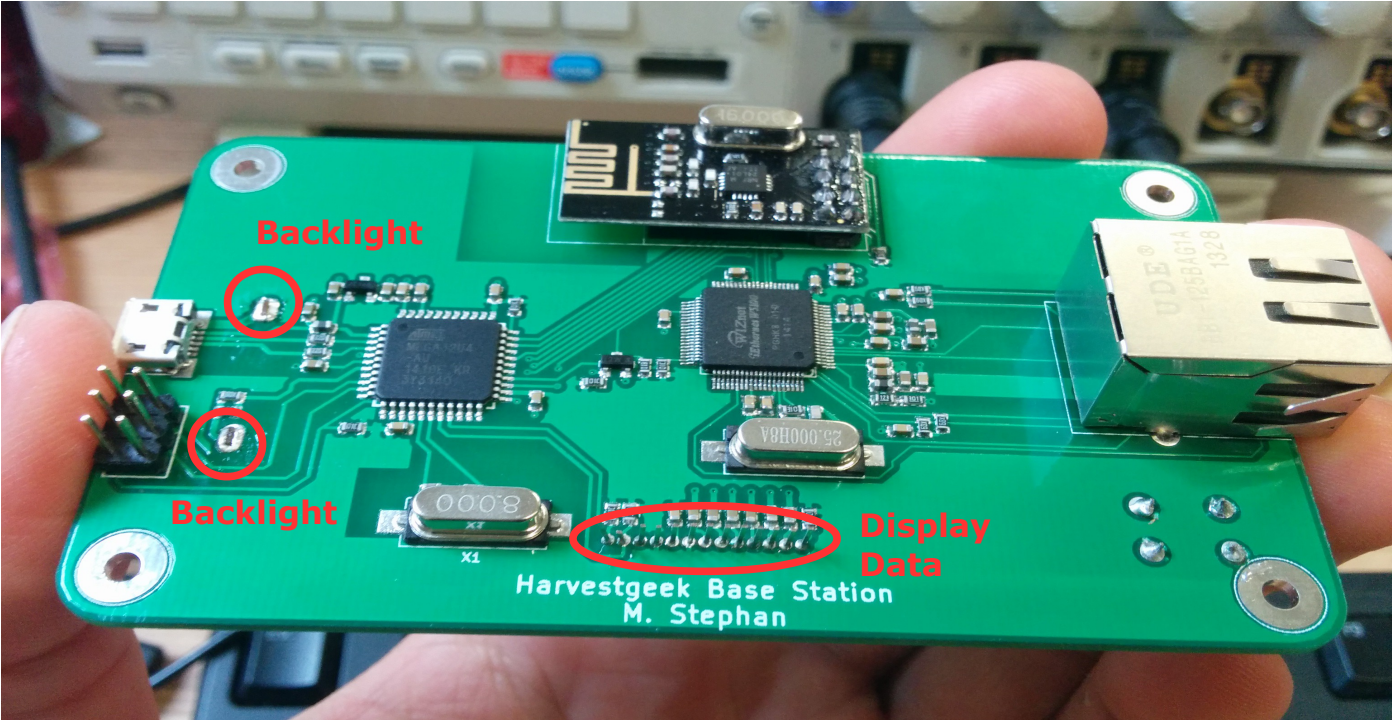
IC's





Part	Part Number	Pinout/Pin 1 Indicator	Pin 1 on PCB (circled <b>RED</b> )
U1	AP7333-33SAG-7		
U2	ATMEGA32U4-AUR		
U3	W5100		
Q1	2N7002,215		
U5	NRF24L01	See image for orientation	

Display



The display **U4** is mounted on the top side, the through hole locations are as shown above. The display can only be mounted in one orientation

Top Side View



## Push Button Switch SW1

To be mounted on the **TOP** side as pictured.



## Passives

Capacitors, resistors, inductors and non-polarised component not detailed as they are not orientation specific. See BOM.