Do not take this sheet, please leave it on the table

# Dit Dit Dit Kit assembly instructions



Red numbers represent the order in which the components should be installed.

13 Switch

Remove the red top layer of the double sided tape.

12 78L05 Voltage Regulator

The Flat side with the writing on it faces the top of the board

Top


1 Brown-Black-red-Gold

1K Ohm

2 Red-Red-Brown-Gold

220 Ohm

3,4, and 5

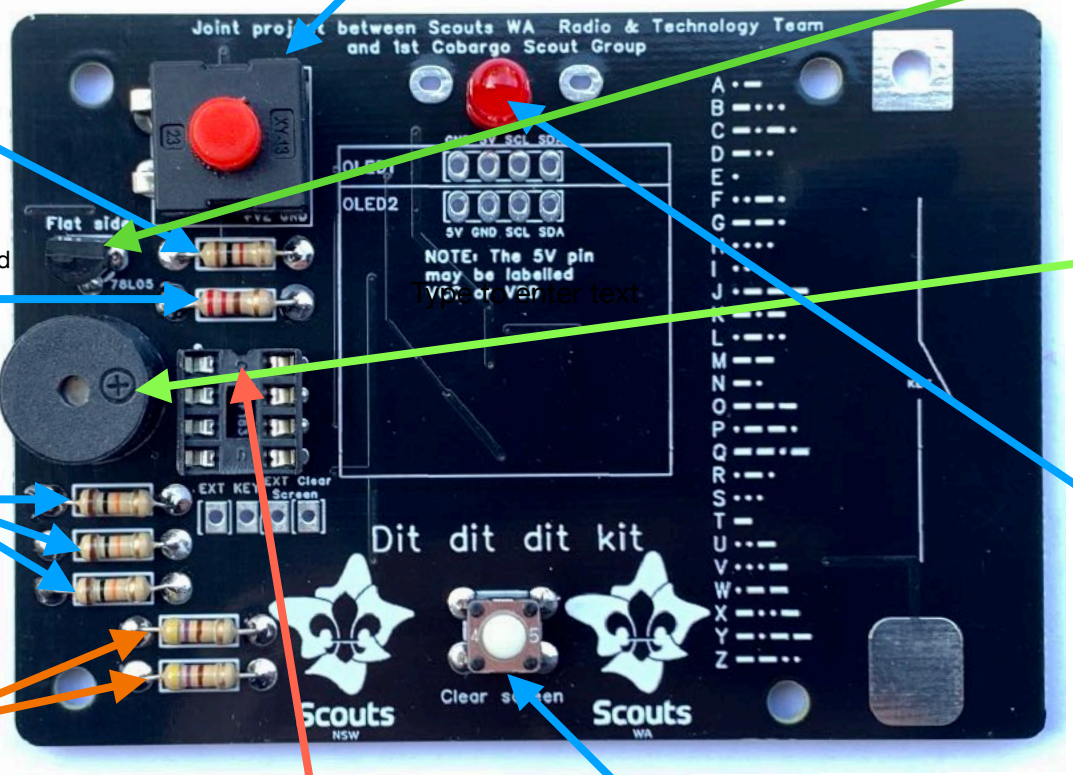
Brown-Black-Orange-Gold

10K Ohm

6 and 7

Yellow-Purple-Brown-Gold

470 Ohm




11 Buzzer


The Pin with the + on it must go into the square hole with the + on it


10 LED

Front View

Back View

Note - The Flat side with the short lead is the "-" lead and goes in the hole towards the left side of the board.

Look at the back of the board and ensure that the LED is in the right way

8 8 Pin IC Socket, the notch goes towards the top of the board

9 Clear Screen button

Turn over the page for the rest of the installation instructions.

# Dit Dit Dit Kit assembly instructions



## 14 Display

There are 2 different pinouts for the display, with the GND and (VCC,VDD or 5V), in different locations. Match the GND pin location, to the correct OLED holes on the board
The display board colour may vary, go by the GND pin location, not the board colour.

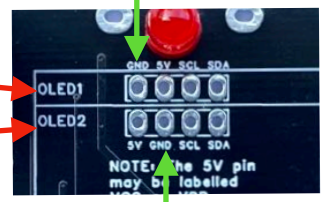

GND Pin on the 1st hole from the left


GND Pin on the 2nd hole from the left

This Display would go into OLED 1 position

This Display would go into OLED 2 position

GND Pin on the 1st hole from the left




GND Pin on the 2nd hole from the left

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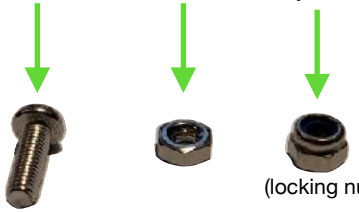
## 15 Key

The key is screwed onto the board, using a 10mm bolt, a nut, and a Nyloc nut.



(locking nut)

### Step1

Put the bolt though the back of the board.

### Step 2

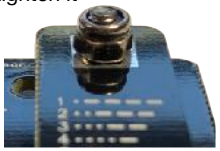
Screw on the Nut and tighten it

### Step 3

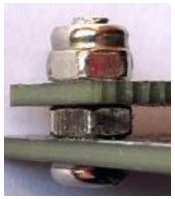
Place the Key over the nut

### Step 4

Screw the Nyloc Nut on and tighten it

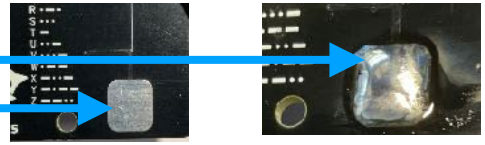


### What it should look



### Step 5

Put a large blob of Solder onto the key pad on the large board



### WARNING !!!!

It will take a lot of Solder, and will be very hot, so let it cool for a minute before you move the board.

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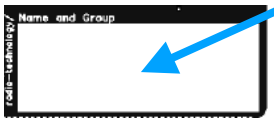
## 16 IC, Board Test and Battery Socket

Ask your leader for the battery holder, batteries and IC. They will test your board 1st before you solder the battery holder in. Ensure you remove the top layer of the double sided tape, before soldering it in.

## 17 Name, and Group

Once it all works and your battery holder is soldered in, then and write your name and group in the space provided on the back




## 18 Protective Tape

Get a piece of protective tape put on the back of the board.


1st Cobargo Scouts and
WA Radio and technology Team

www.cobargoscouts.org.au
https://scoutswa.com.au/radio-technology/