

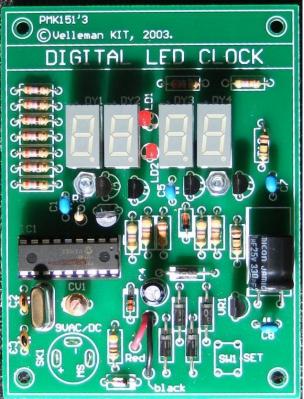


Industrial Electronics

Time 2hours

Session 1: Construction Project: 'Digital Clock' Score from page 2: /25





For this challenge you will need to construct a Digital Clock following the step by step instructions on the following pages.

The following contents have been supplied:-

- a) 1 Kit with assembly instructions including batteries
- b) Circuit Diagram
- c) Criteria on which marks can be awarded





Description of Task

- 1) Construct the kit using the instructions supplied
- 2) Test completed project.

Marks awarded are as follows:-

Soldering Quality	12 Marks
Component Placement	6 Marks
Testing	7 Marks

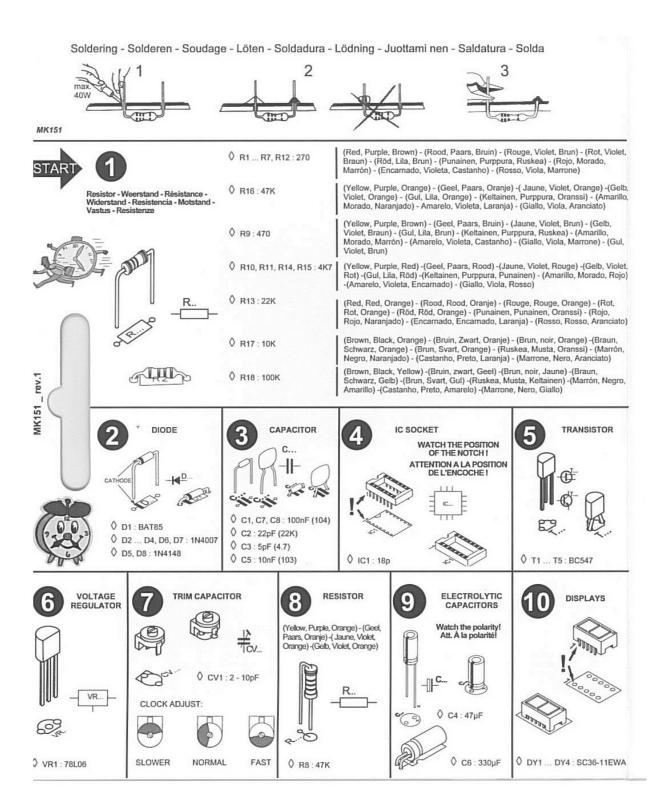
Marks deducted will be as follows:-

Observed error	Deduction	
Missing Components	1 per component	
Components leads not trimmed to an acceptable standard	1 per component	
Quality of component Placement	1 mark deducted for incorrect placement on PCB	

	Marks possible	Marks awarded
Soldering Quality	12	
Component Placement	6	
Testing	7	
Total Marks Awarded		
Deduct 1 mark per component for each of the following errors		
Missing Components deductions		
Component leads not trimmed to an acceptable standard-		
Quality of component Placement		
Total Marks Deducte		
Marks Awarded Minus Marks Deducted (Total score)		

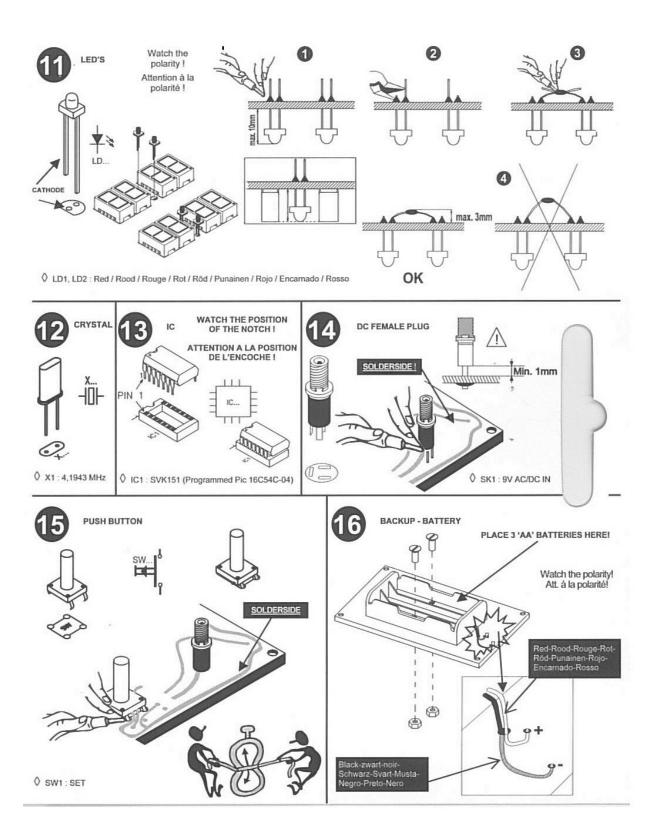
















Once constructed test the kit to ensure correct operation, once tested attach your name to the kit and present it to the judges for assessment and marking.

