

Pearson BTEC L3 Nationals Extended Diploma

Window for supervised period:

23/04/2019 – 07/05/2019

Paper Reference **31725H**

Engineering

Unit 6: Microcontroller Systems for Engineers

Part S

Information Booklet

Do not return this Information Booklet with the question paper.

Instructions

- This information may be required for learners producing a solution to the task using individual electronic components and/or a prototyping board.
It is not required by learners producing a solution to the task using only modular electronic devices and project boards.
- If required, read the information carefully.
- You must **not** write your answers in this booklet.
- Only your answers given in the electronic task book and audio-visual file will be marked.

Turn over ►

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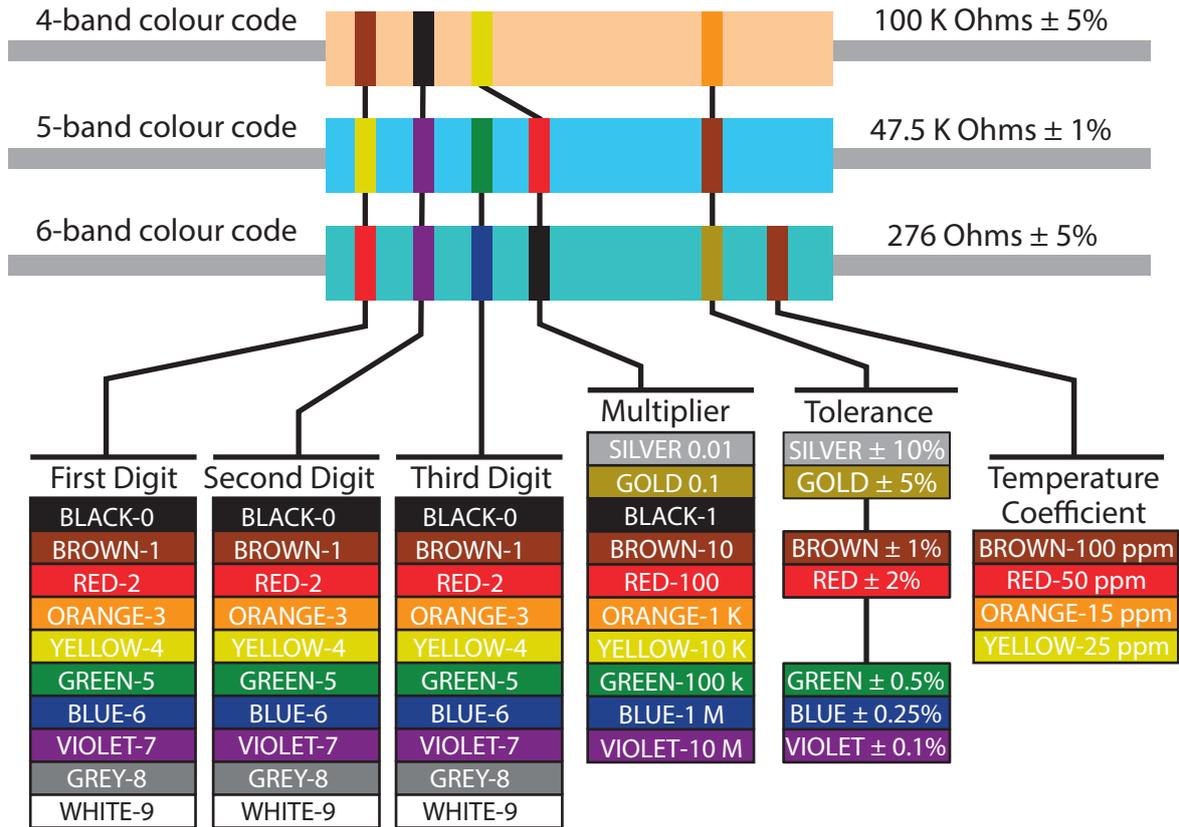
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Resistor Colour



Original Equipment Manufacturer's (OEM) Data Sheets

You can refer to data sheets for individual electronic devices, e.g. Liquid Crystal Display (LCD) screens and microcontroller connections, so that you can assemble your prototype solution in an appropriate way.

Use of library code and access to a list of programming instructions / commands

Learners can use software library code as part of their solution to the task, as it is common industry practice when using low level programming languages.

For lower level programming languages, such as 'C', learners can also be given a list of common commands / instructions. The list must only cover the syntax of the commands / instructions. For example, the list may include: 'if (x<5){ } else { }'.

Learners **must not** have access to the internet during the task.