**DRivers**
The following are all examples of driver circuits that can be used on the outputs of logic gates for example. They provide current drive by using various types of transistors. The devices shown are suggested ones and can be changed. Remember to check that the transistor can deliver enough current by checking $I_c$ and also use a protection diode if driving inductive loads (anything with a coil in it!).

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**Simple NPN driver**
Can provide up to 400mA

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**Simple NPN driver**
Note using a protection diode

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**NPN Darlington driver**
Can provide up to 5A

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**MOSFET driver**
Can provide up to 10A

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**Integrated Darlington driver**
Can provide up to 500mA, useful if you need lots of drivers

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**Simple PNP driver**
Can provide up to 400mA.
Note switches on with low input