**10 Steps to Selecting a Microcontroller**

Step 1: Make a list of required hardware interfaces

Step 2: Examine the software architecture

Step 3: Select the architecture

Step 4: Identify Memory Needs

Step 5: Start searching for microcontrollers

Step 6: Examine Costs and Power Constraints

Step 7: Check part availability

Step 8: Select a development kit

Step 9: Investigate compilers and tools

Step 10: Start Experimenting

Reference: [here](https://community.arm.com/arm-community-blogs/b/embedded-and-microcontrollers-blog/posts/10-steps-to-selecting-a-microcontroller)