

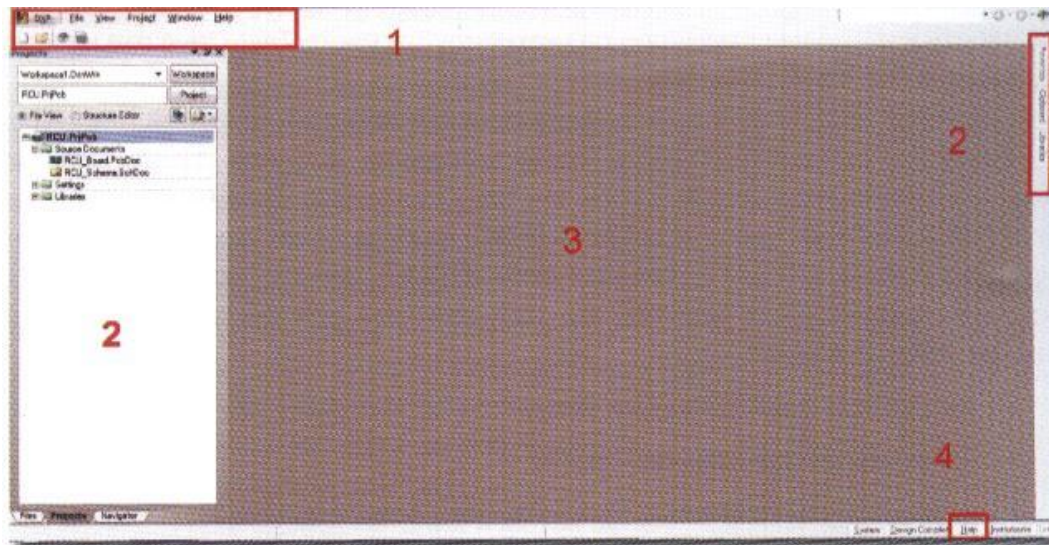
**FEATURES OF DESIGN OF  
AIRBORNE RADIO  
ELECTRONIC FACILITIES IN  
THE ALTIUM DESIGNER  
ENVIRONMENT**

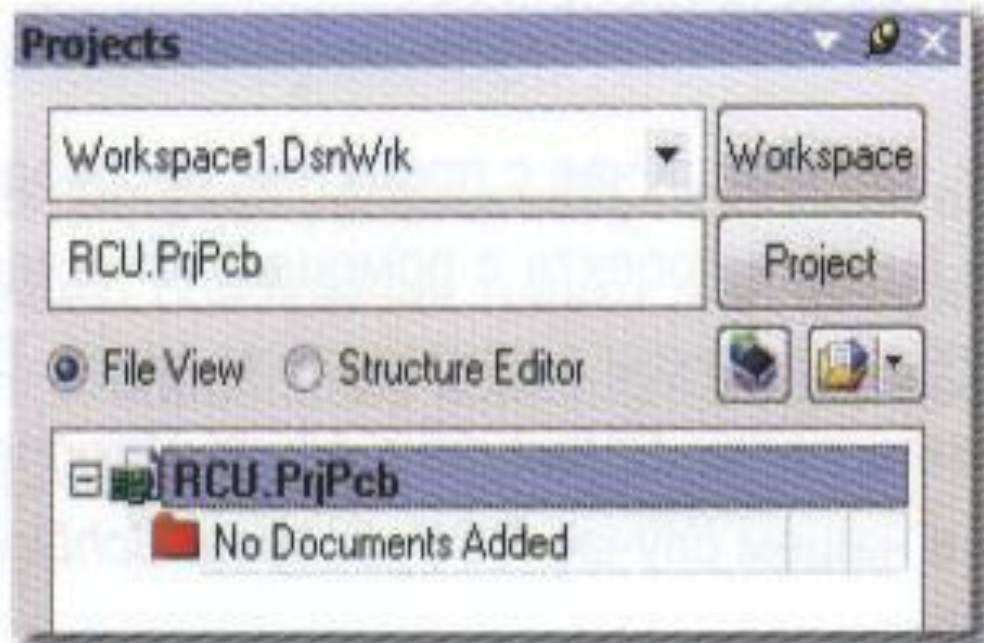
# STRUCTURAL MODULES OF ALTIUM DESIGNER

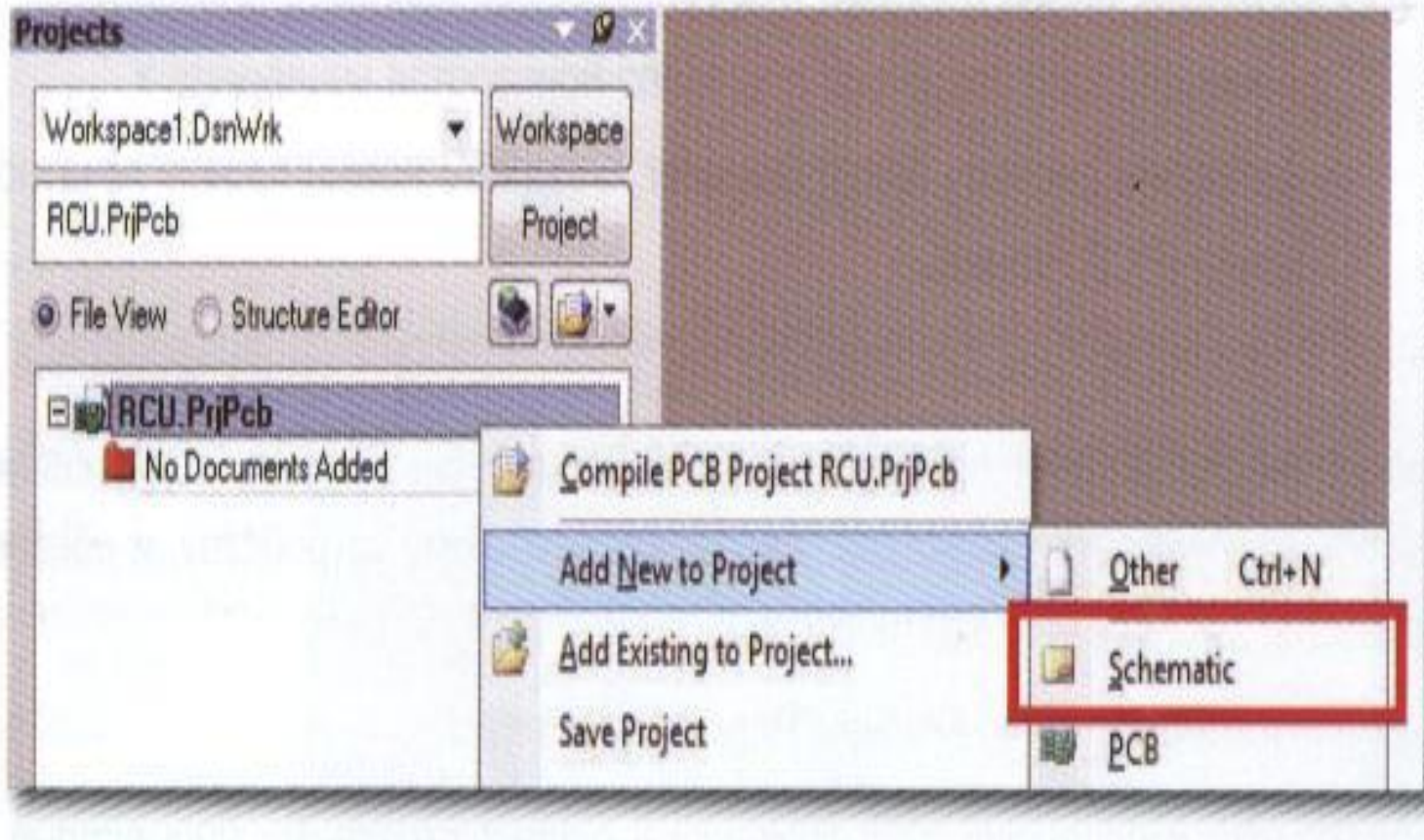
- development of electronic circuits;
- design of printed circuit boards;
- development of embedded software;
- mixed analog-digital simulation;
- signal integrity analysis;
- technological preparation of manufacturing;
- design of systems based on PLIC and their debugging with the use of the Altium NanoBoard breadboard.

# THE ALTIUM DESIGNER WINDOW CONTAINS THE FOLLOWING BASIC ELEMENTS:

1. System menu and toolbars, content and composition of which varies depending on the type of active document;
2. Auxiliary panels, which have multiple display modes;
3. Workspace;
4. Integrated support for Altium Designer, which provides access to the built-in help pages and resources located in the Internet (Altium Wiki).



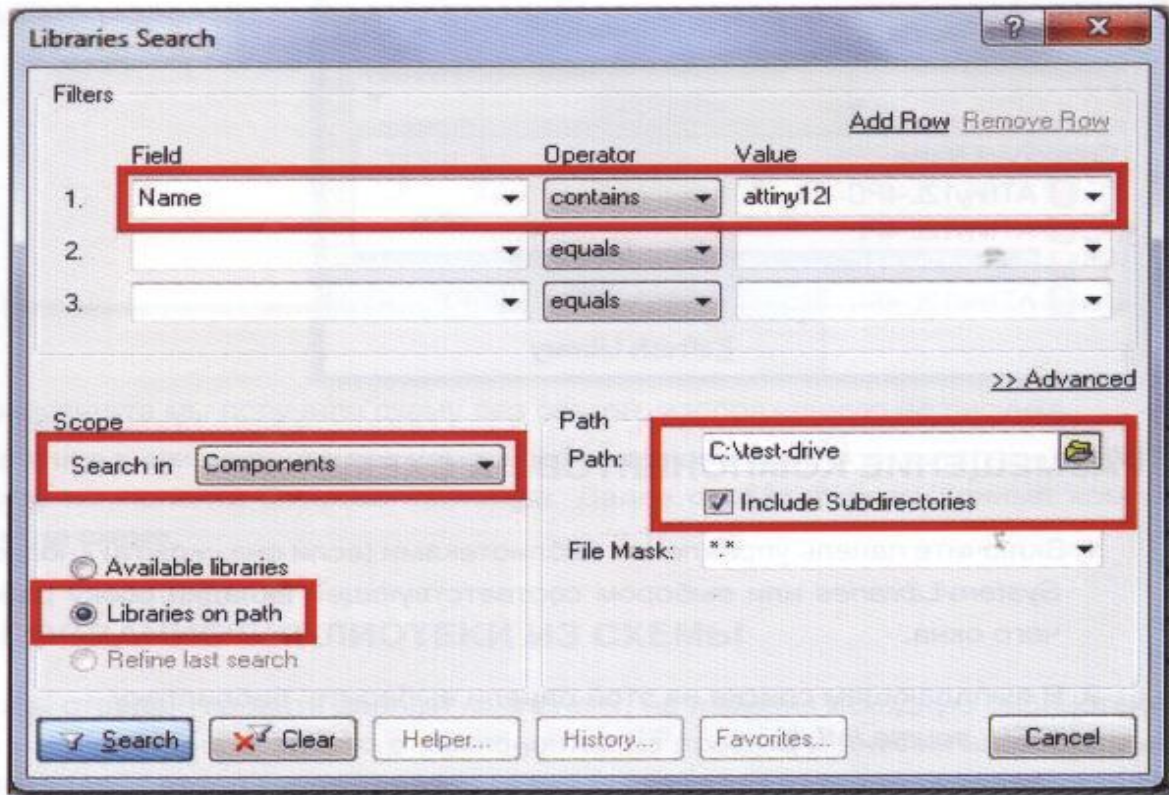




# POSSIBLE TYPES OF THE CONNECTED DOCUMENT:

1. Schematic – a schematic document;
2. PCB – a file of a printed circuit board;
3. Schematic Library – a library of schematic symbols;
4. PCB Library – a library of topological sites;
5. CAM Document — a document of a CAM-program;
6. Output Job File – a file of output data for processing;
7. Database Link File – a file pointer to the link to the database;
8. Text Document – a text document;
9. Other – other documents.

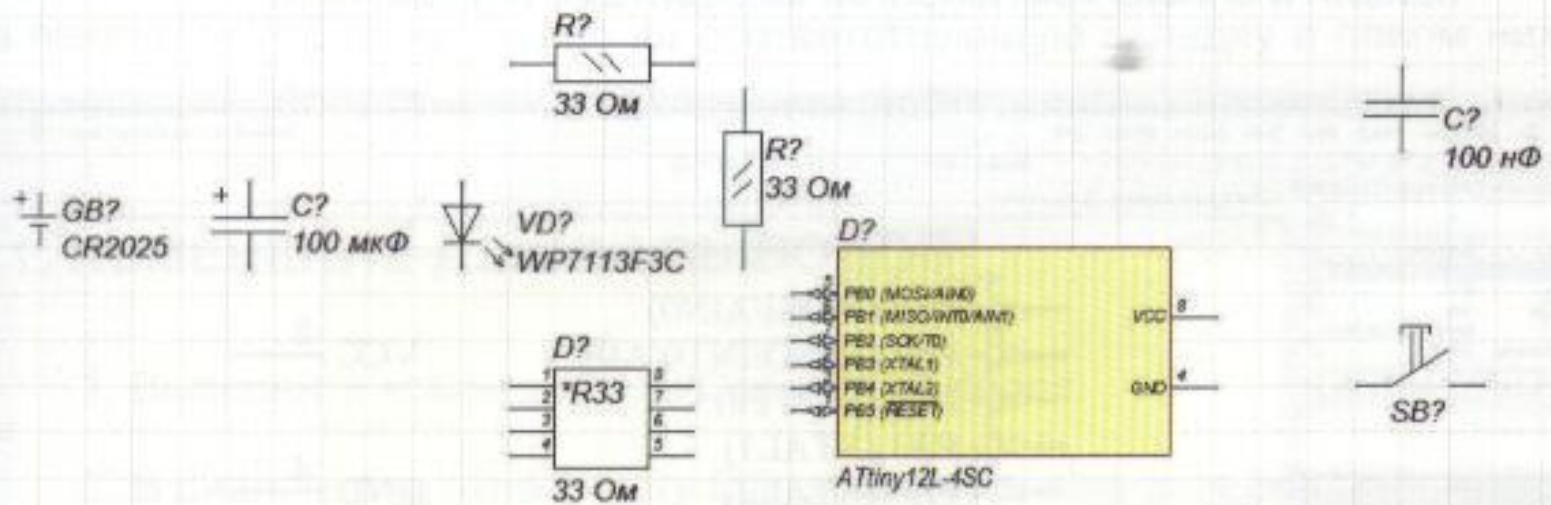


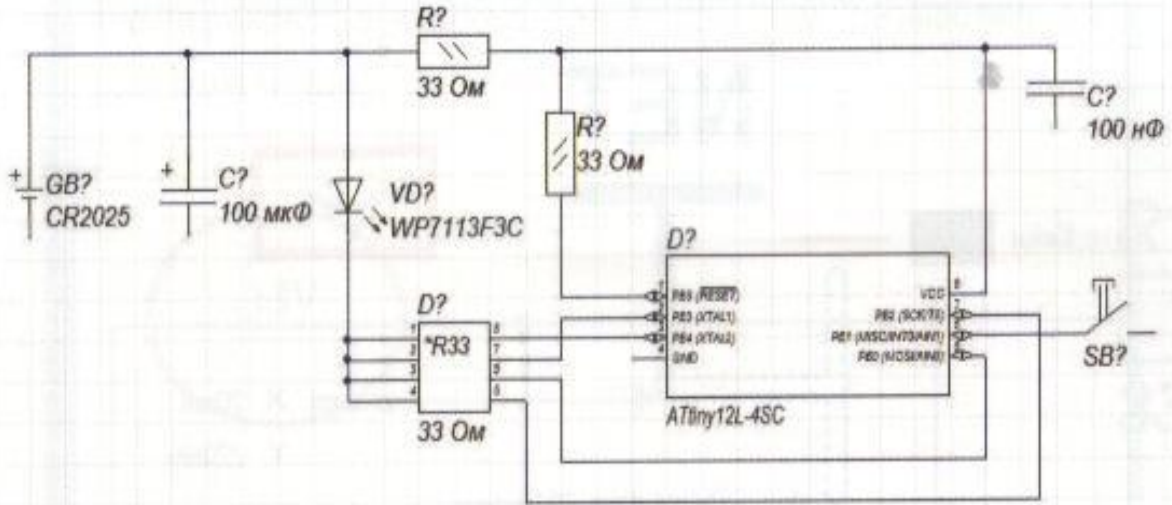


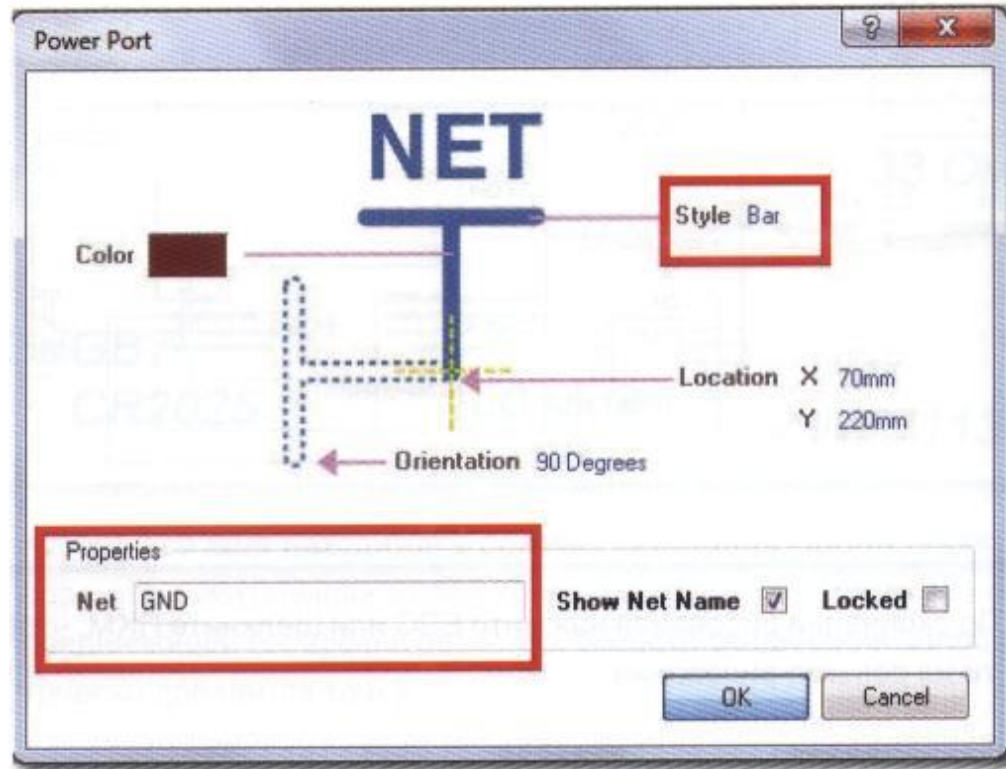
# THE COMPONENT PROPERTIES WINDOW

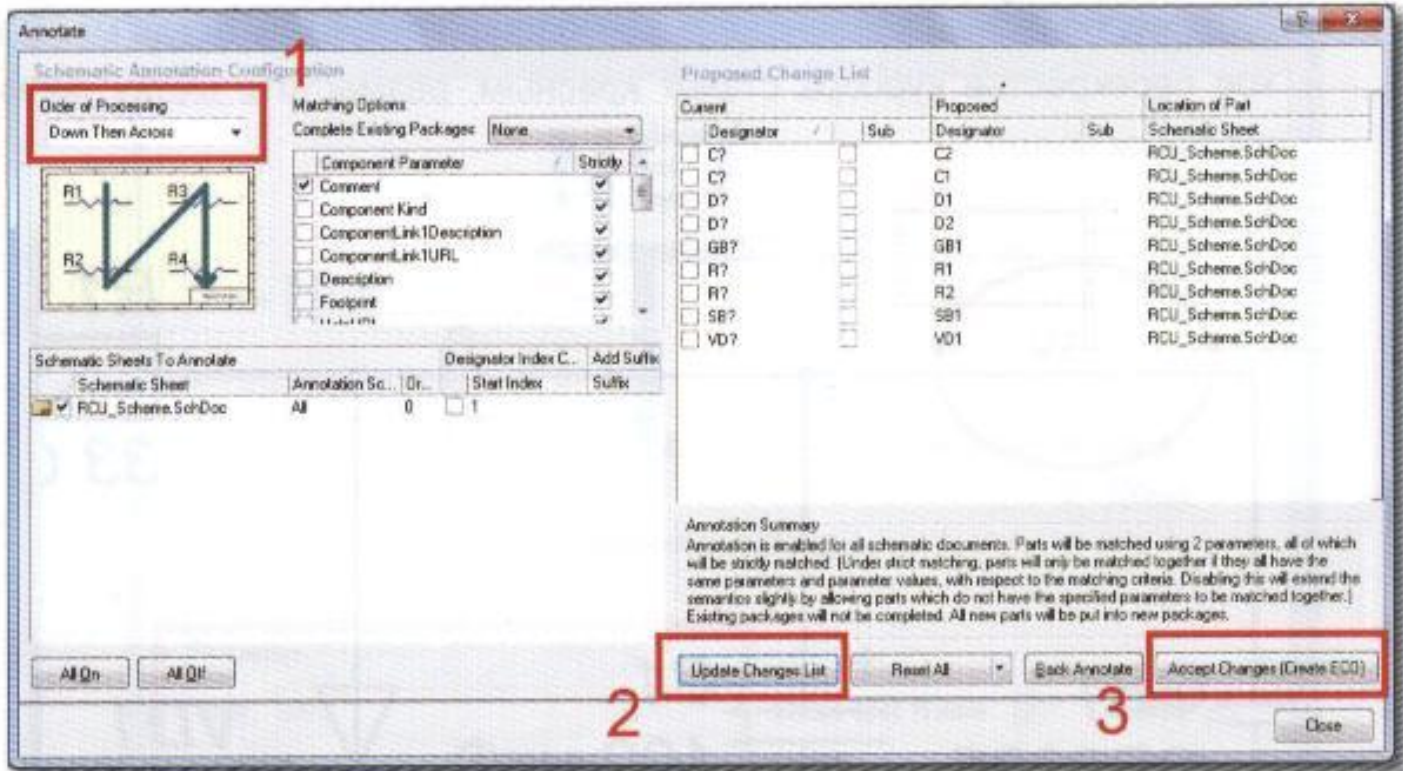
- Properties – the main component properties (Designator – the positional notation, Comment – the component name);
- Library Link – the link to the library;
- Graphical – the information about the component graphic display;
- Parameters – the component attributes (hence the information about the component will be used to form the text part of design);
- Models – the component models (sites);
- Edit Pins – the table of component pins.











# THE COMPILATION PROCESS CONSISTS OF THE FOLLOWING STAGES:

- Setting project options;
- Starting compilation;
- Search and fix errors.

# THE PREFERENCES IN THE PRINTED BOARDS EDITOR

- Local preferences of the current document.
- Global preferences of the editor.
- Display preferences.