



Diseño Electrónico con Altium Designer 22

Instructor: Godo Sánchez Heredia
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Embebidos

Universidad Nacional Mayor de San Marcos
IEEE Student Branch



A Student Chapter of the IEEE Robotics and Automation Society

INTRODUCCIÓN AL CURSO

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- Presentación del Docente
- Presentación de los Alumnos
- Revision del Syllabus



<https://github.com/GodoSanchezH>

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INTRODUCCIÓN AL DISEÑO ELECTRONICO

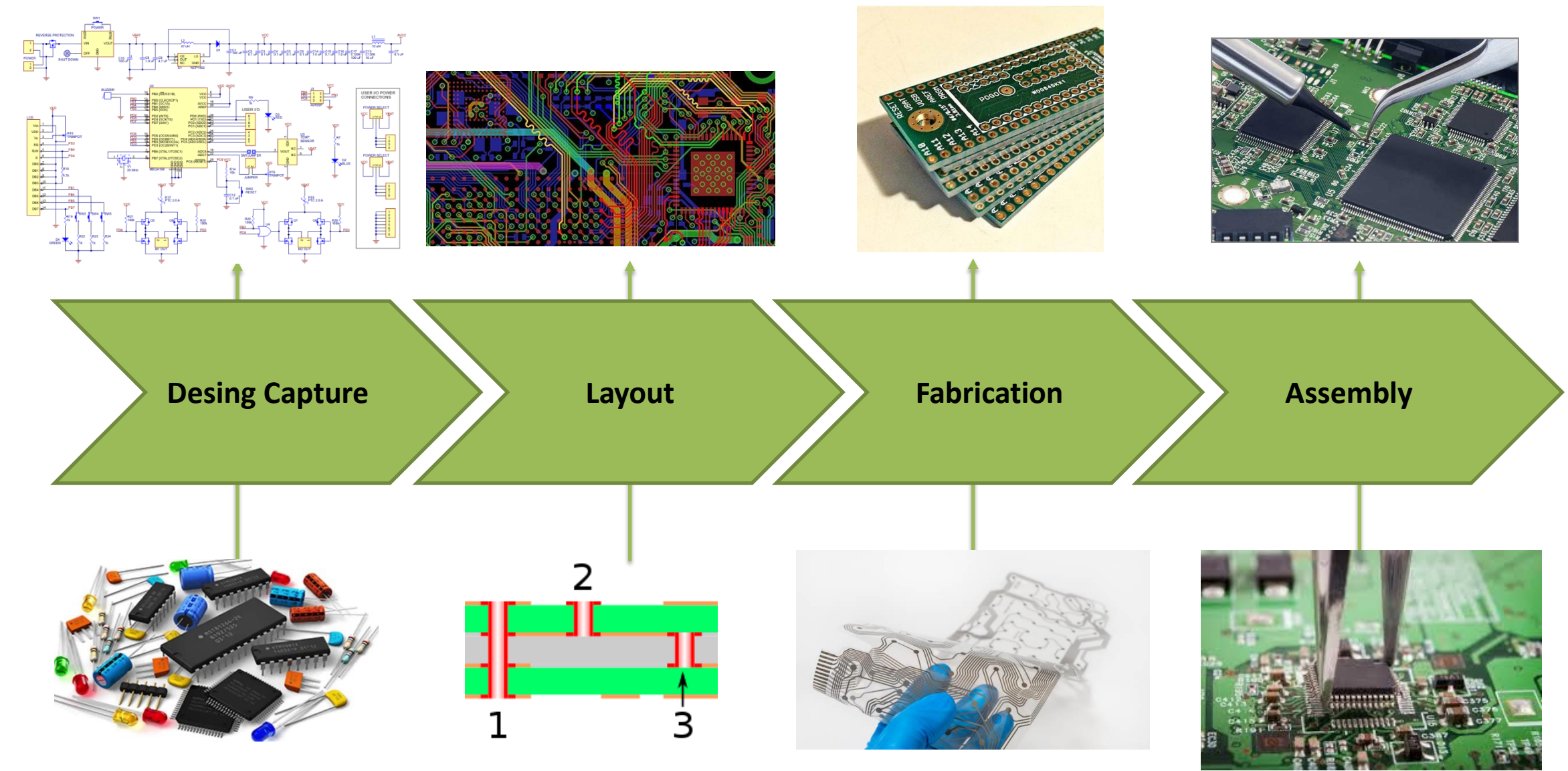
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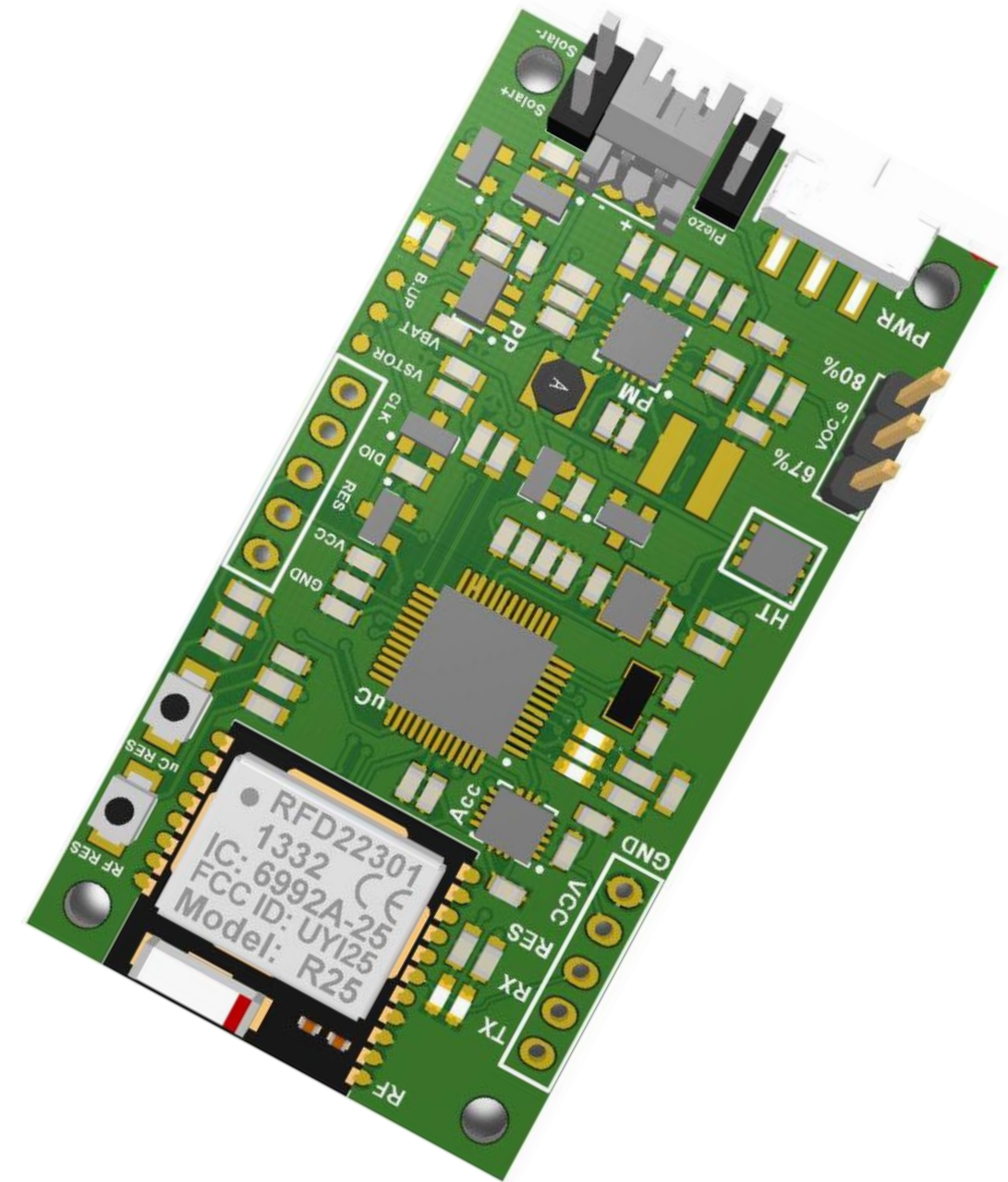


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PCB's en Altium



CONCEPTOS DE DISEÑO FABRICACIÓN DE TARJETAS PROFESIONALES

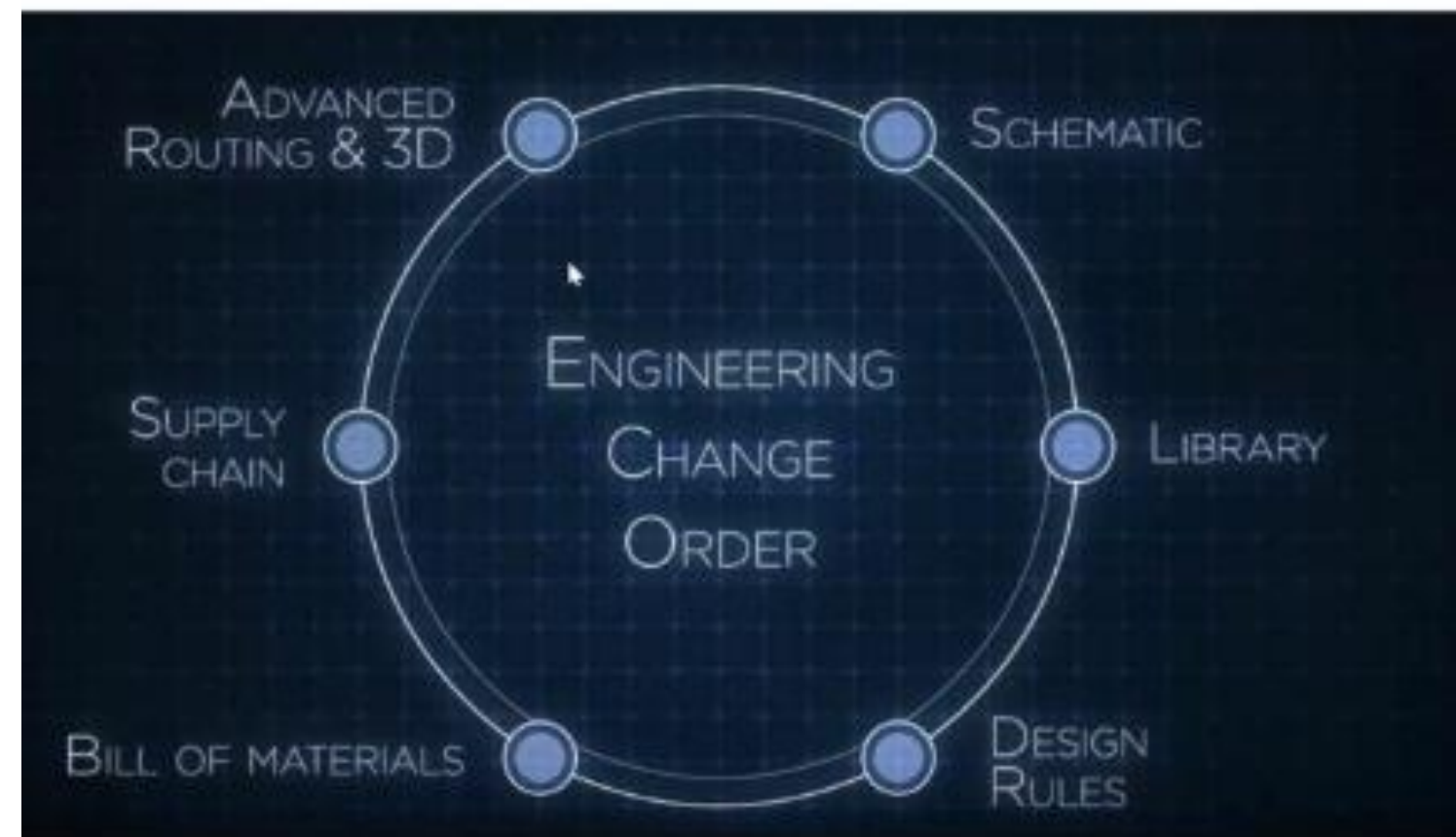
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Proceso de Desarrollo en Altium



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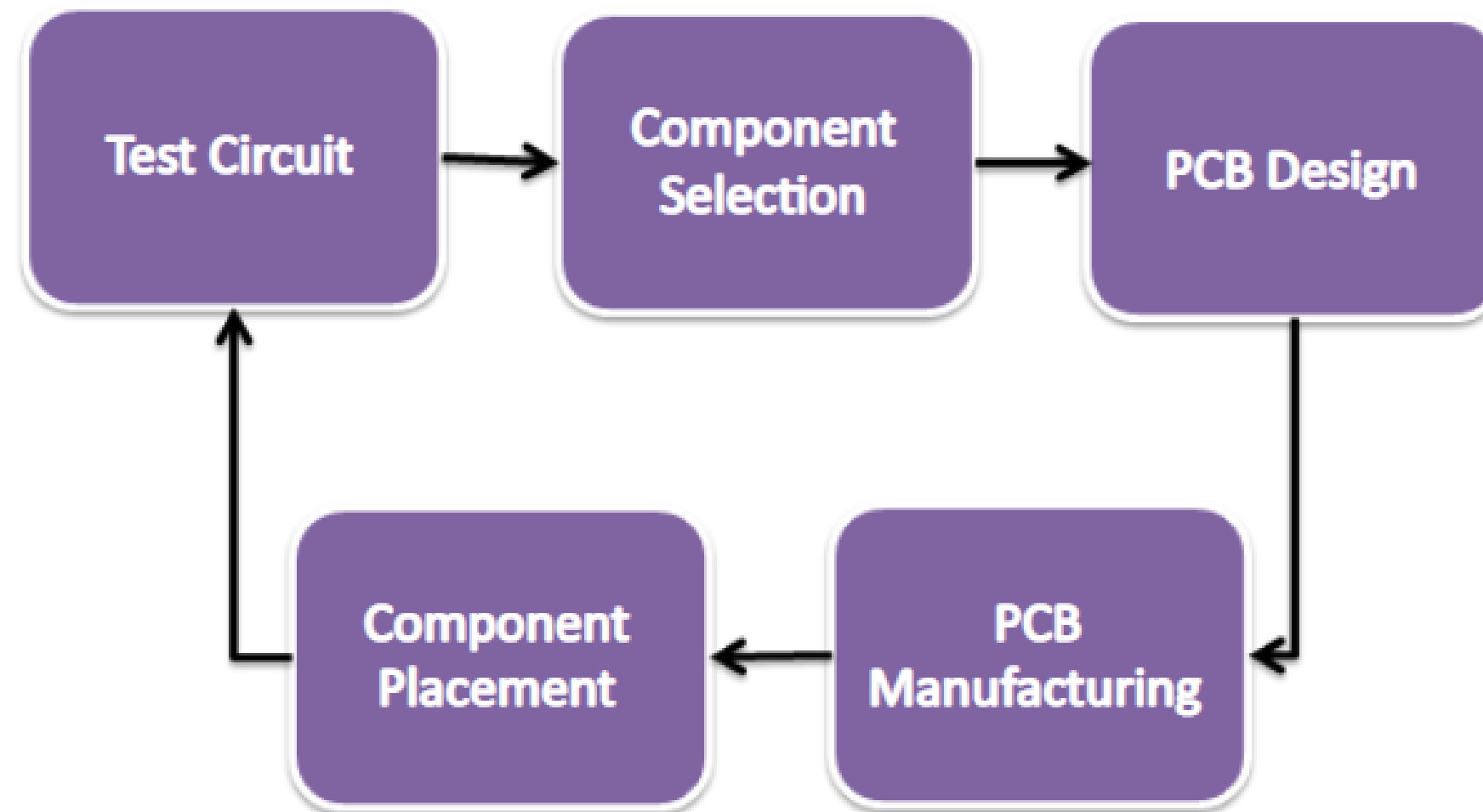
Desing for Exelent

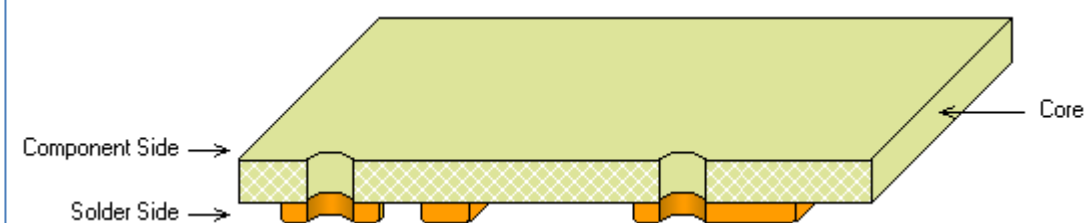
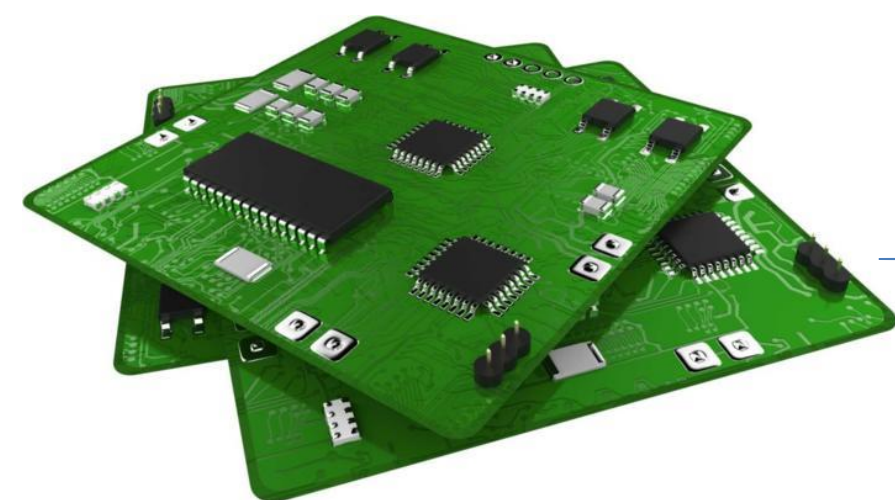
Desing for Fabrication

Desing for Assembly

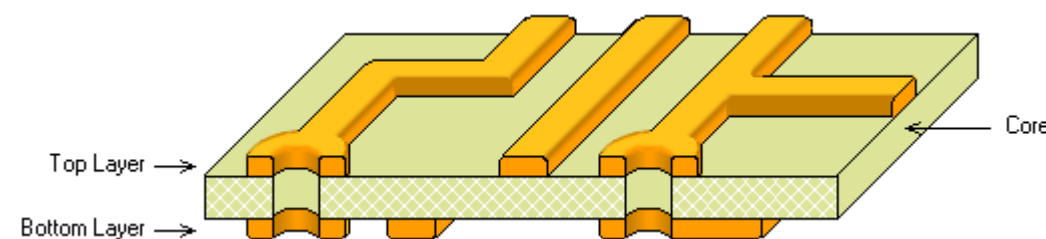
Desing for Cost

Desing for Testing

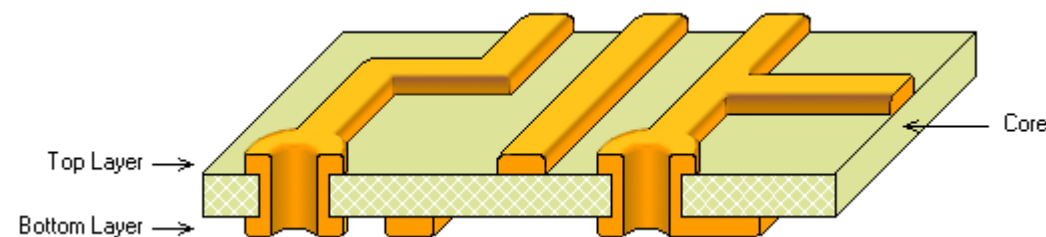




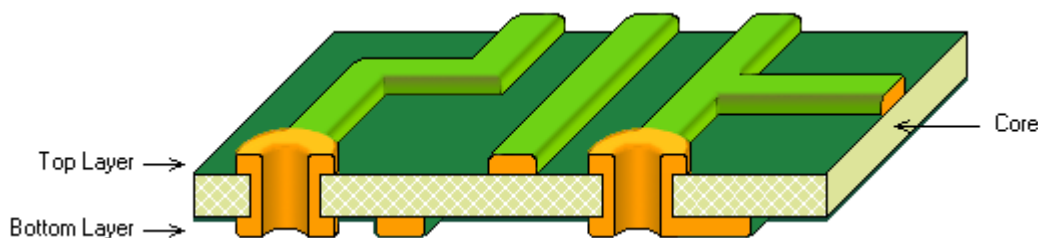
Single-Sided Board



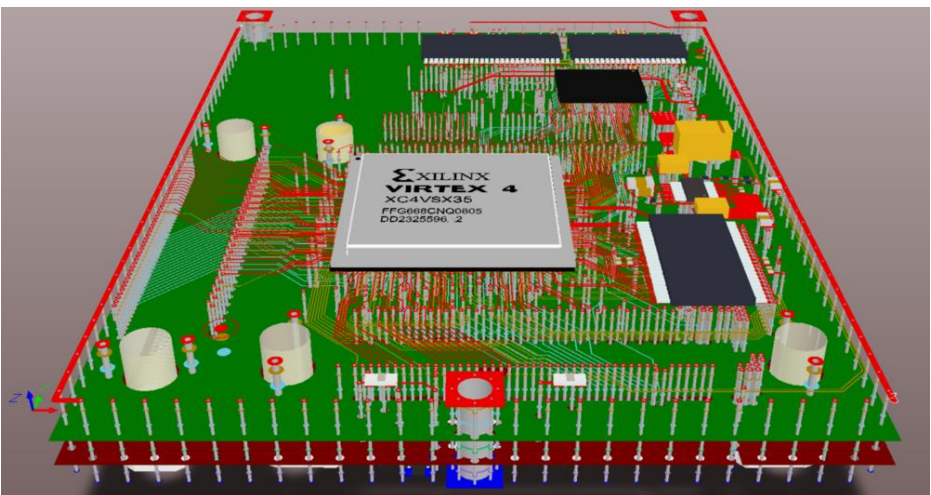
Double-Sided Board



Plated Through Holes (PTH)



Top and Bottom Solder Masks



Multi-Layered Boards



RIGID-FLEX

Fabricantes de PCB

Internacional



<https://www.pcbway.com/>



<https://jlcpcb.com/>

Nacional



<https://www.villacontrolperu.com/>

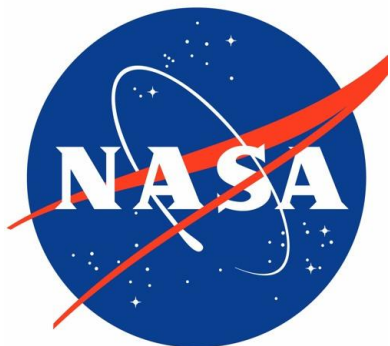
Empresas que Utilizan Altium



MICROCHIP



Microsoft



BOSCH

PHILIPS

RENESAS



HERRAMIENTAS PROFESIONAL DE DISEÑO

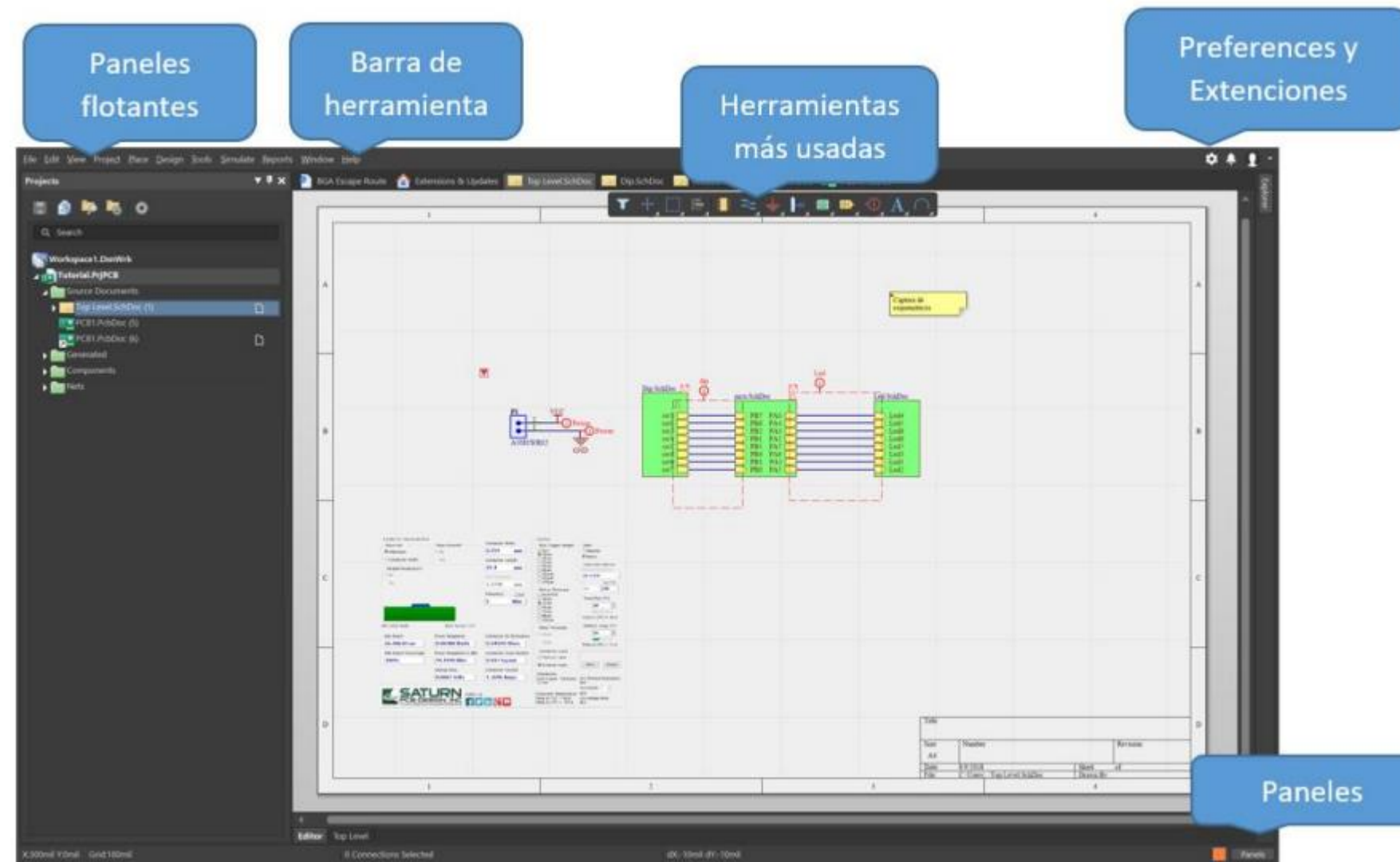
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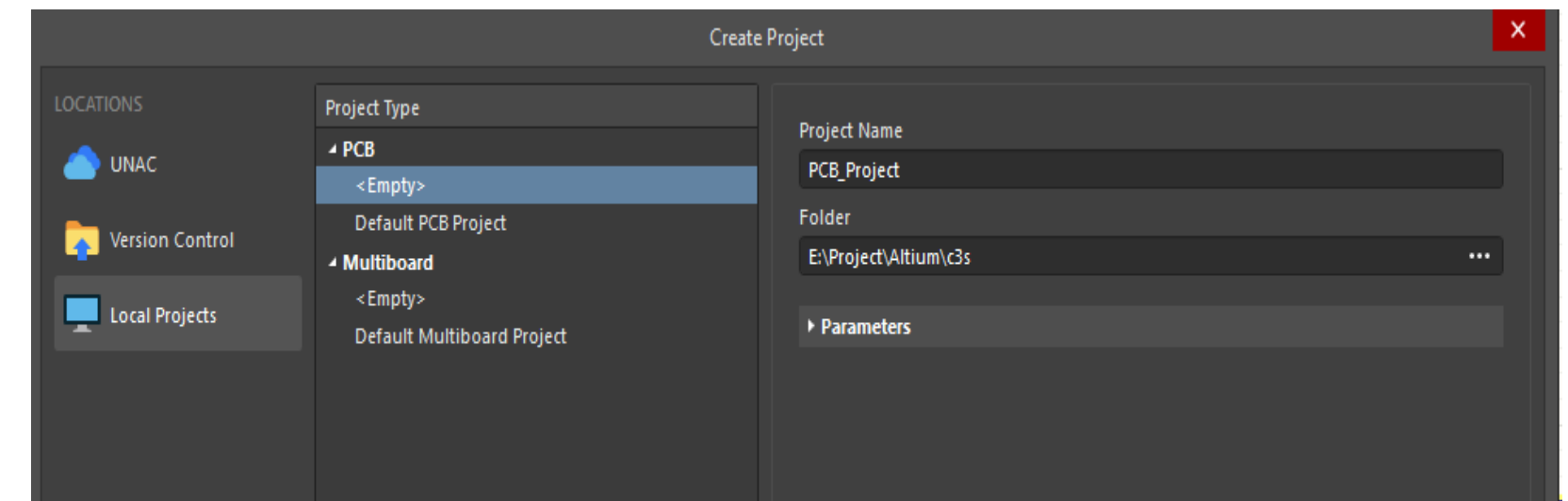
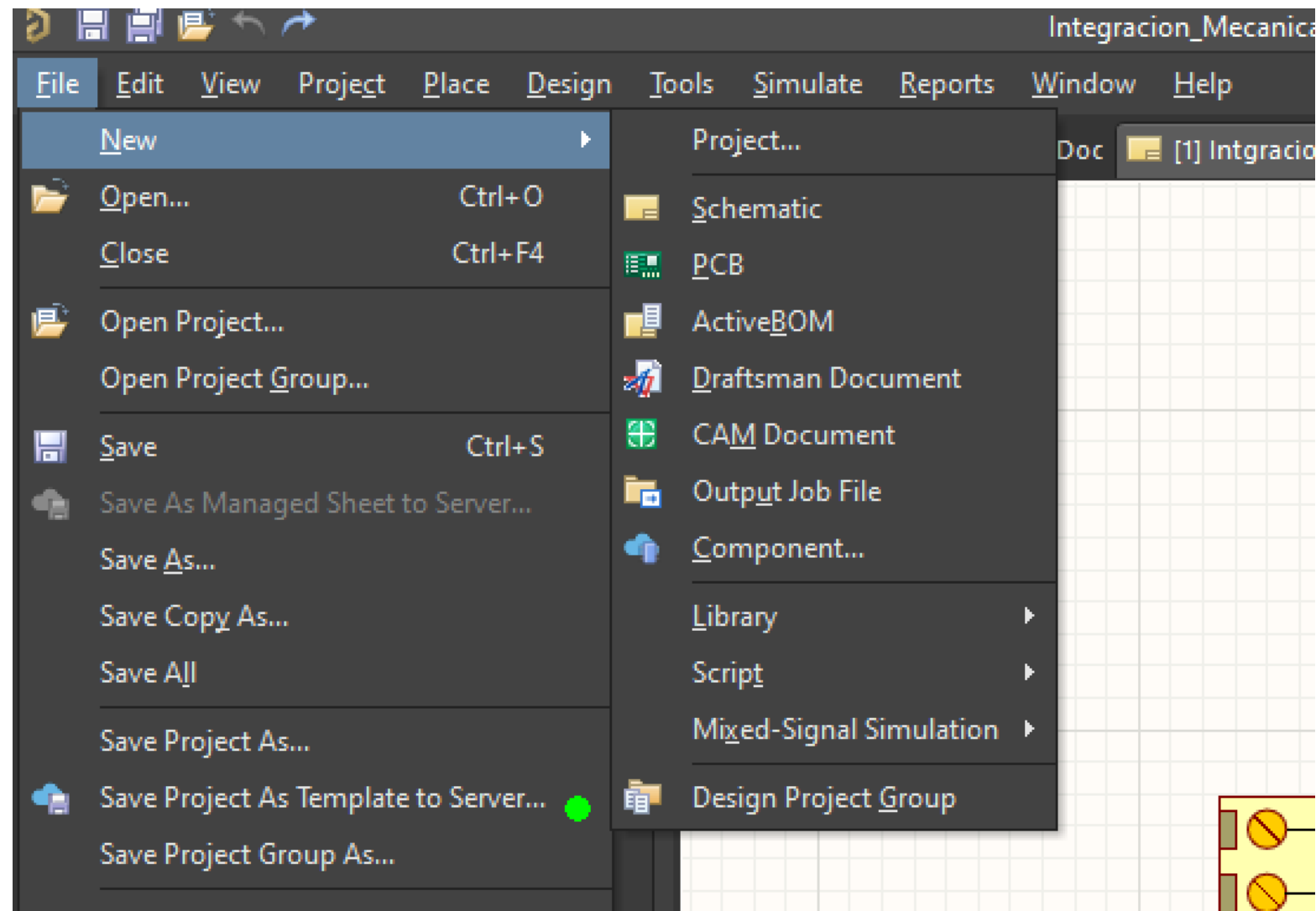


Entorno de Altium

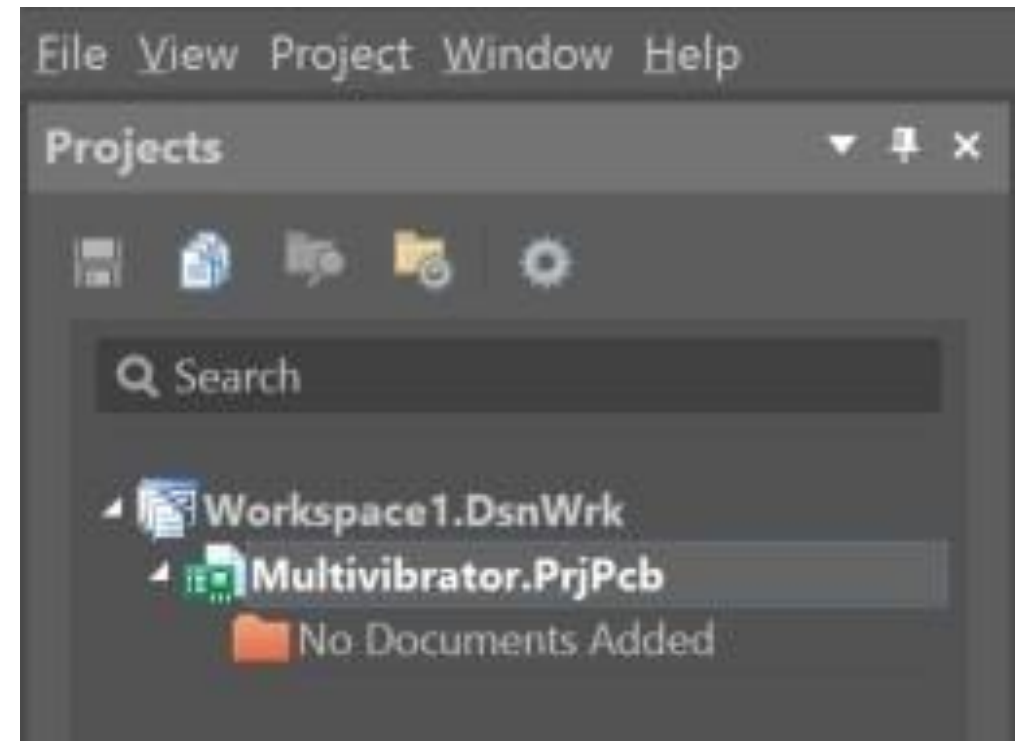


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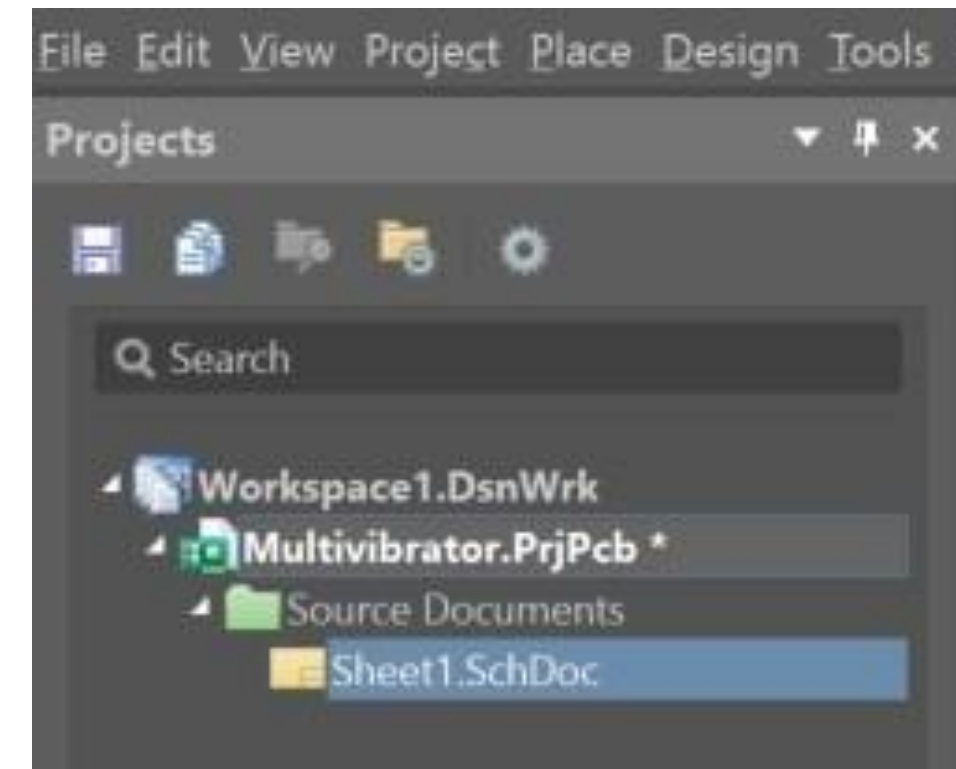
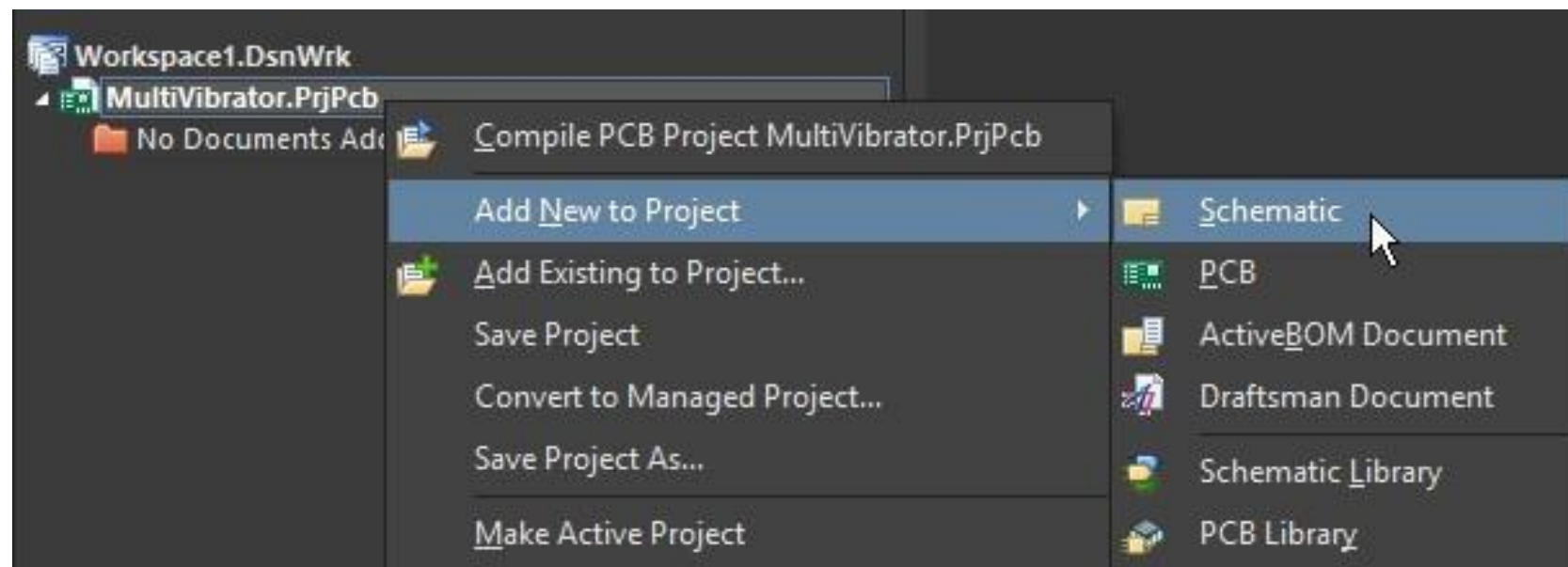
CÓMO CREAR EL PROYECTO DE LA PCB



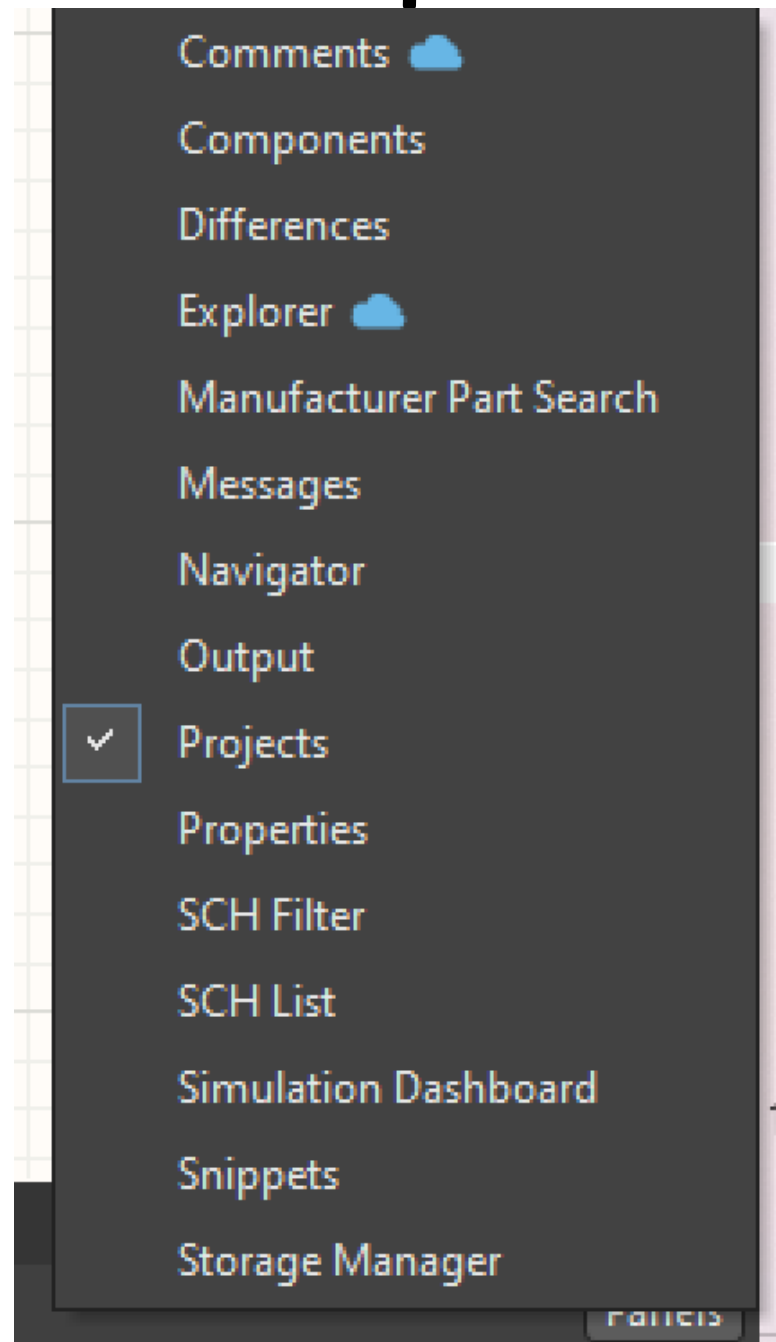
El proyecto aparecerá en el workspace



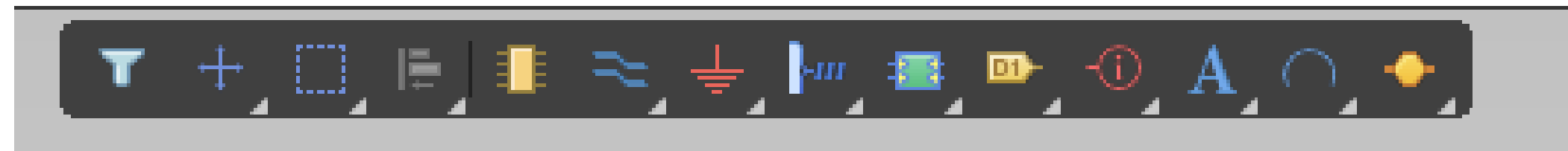
Agregar un esquemático



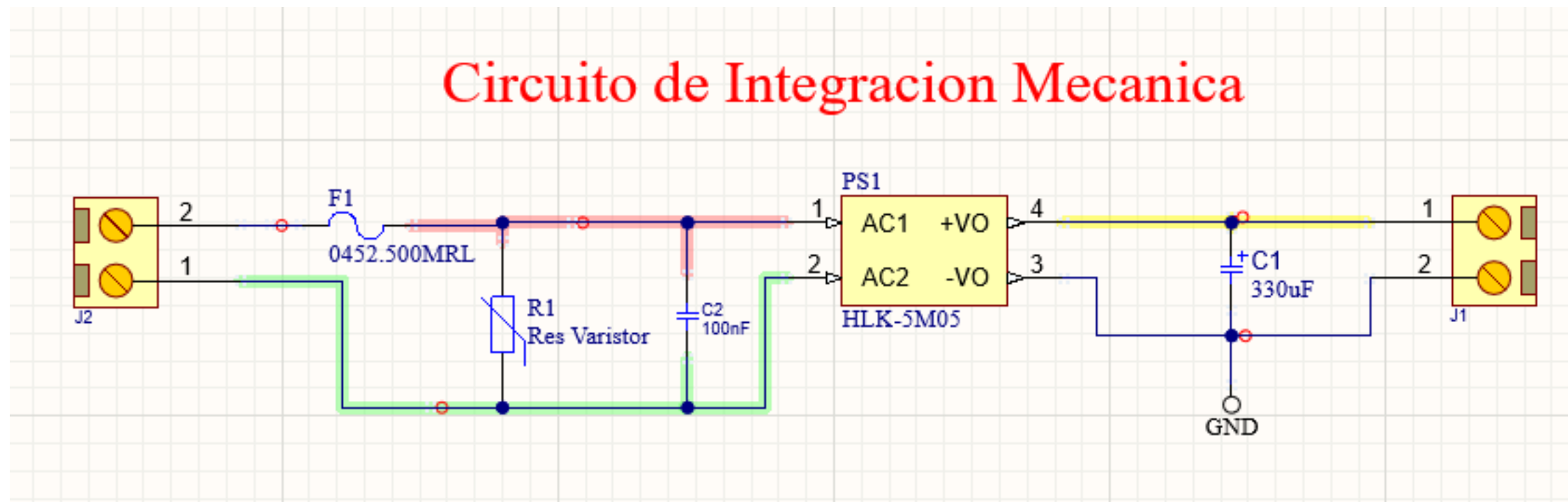
Panel Properties



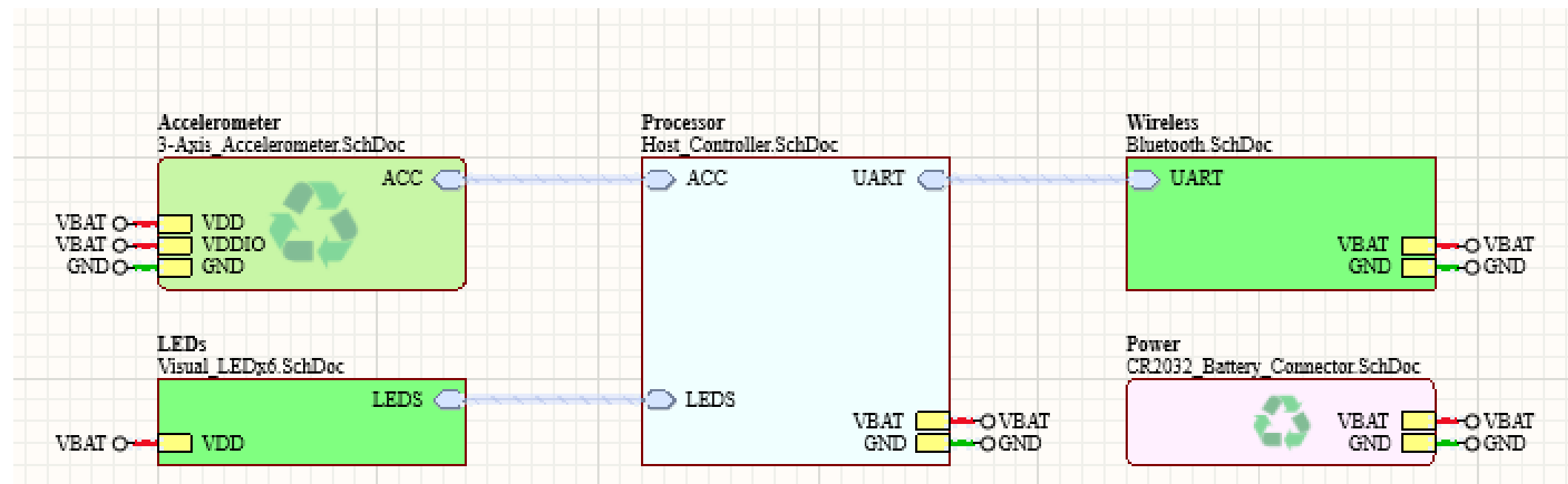
Barra de herramientas



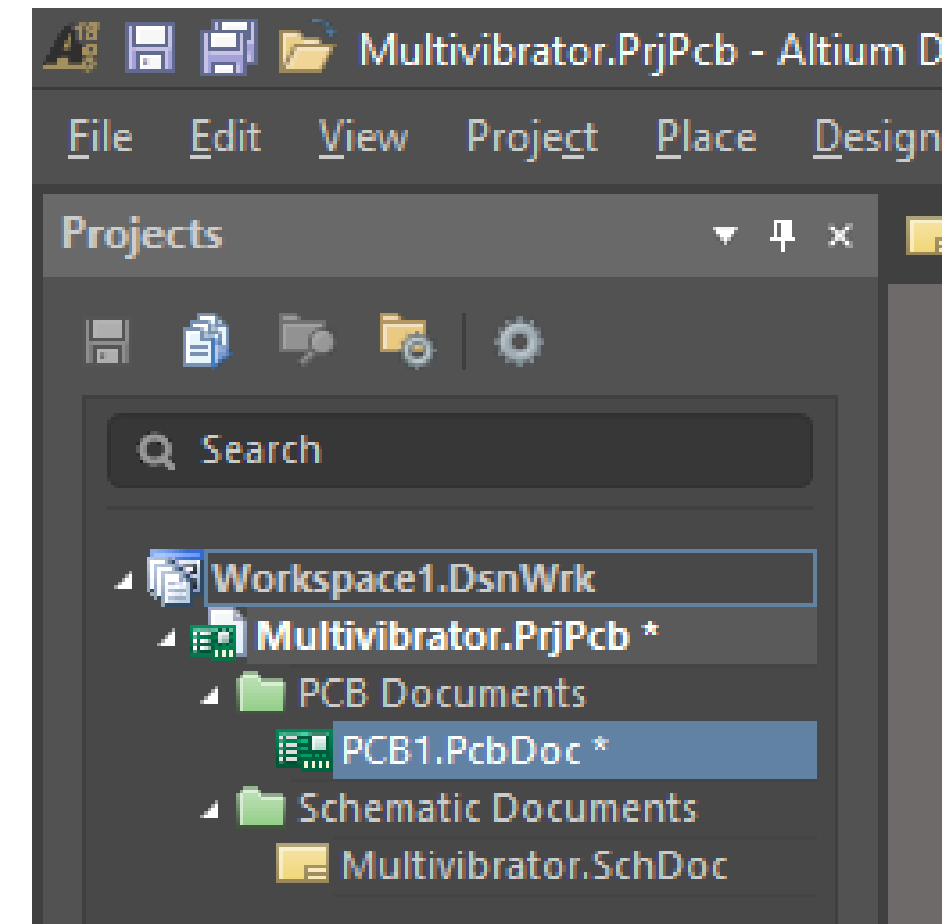
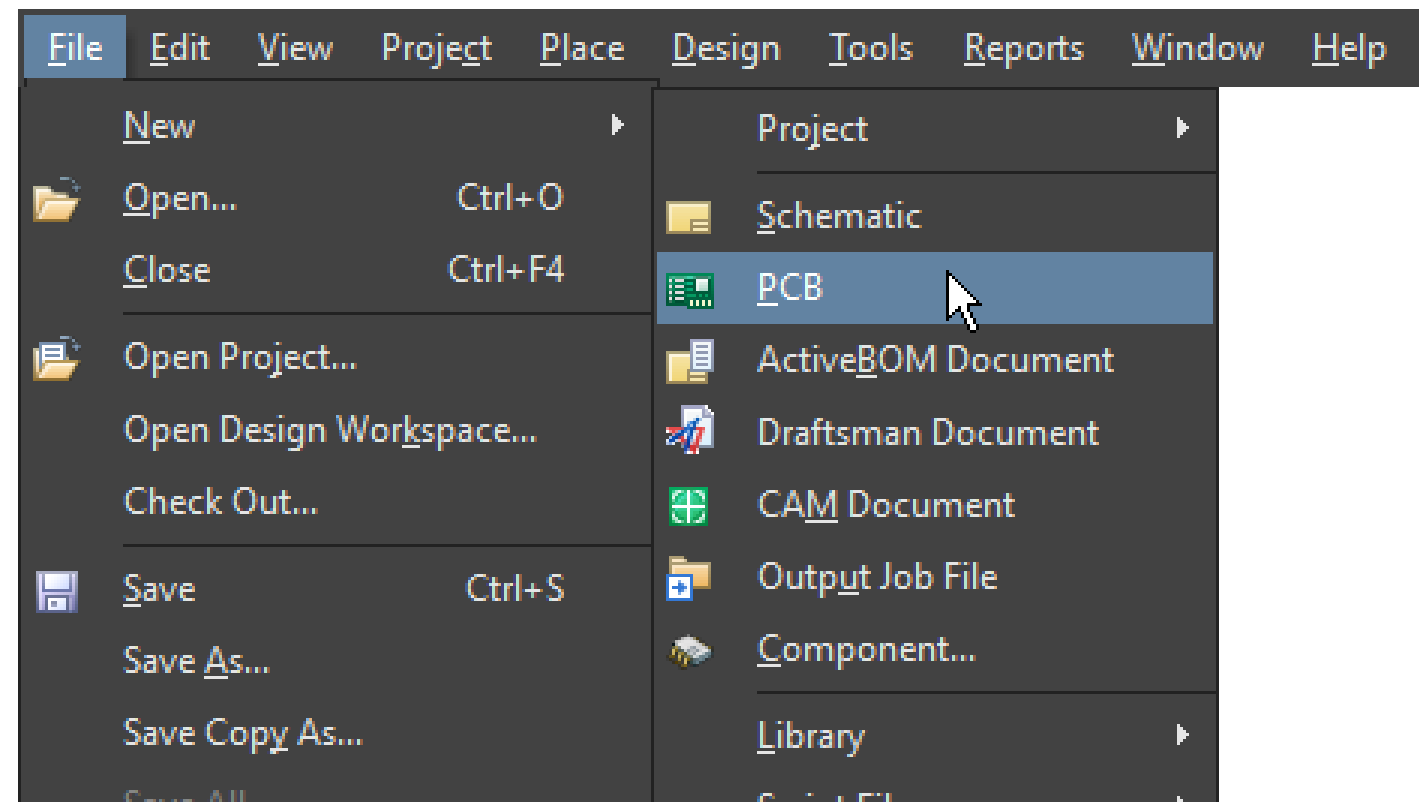
Ejemplo de Esquemático



Ejemplo de Esquemático en Diseño Jerárquico

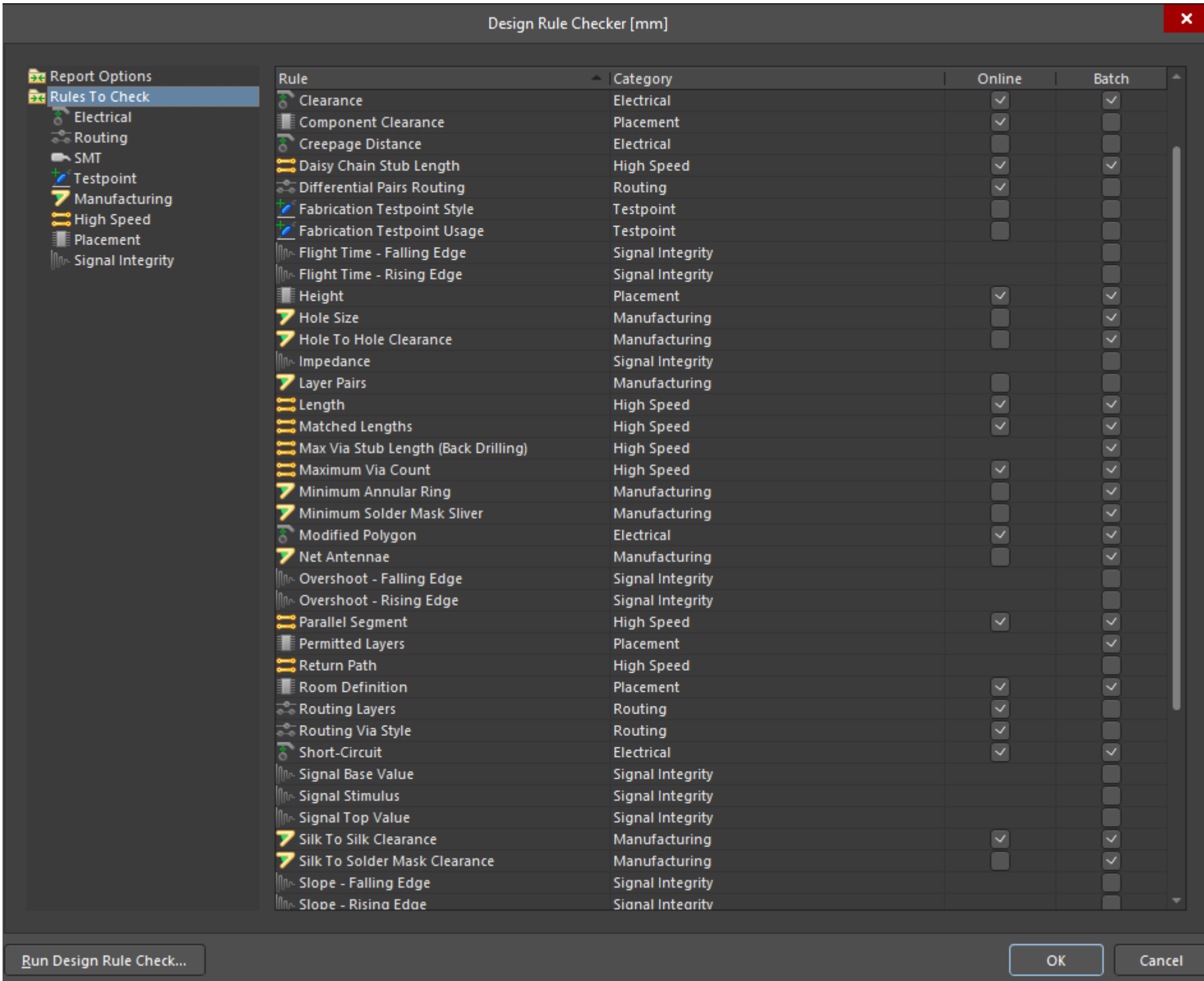


Agregar PCB al Proyecto



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Rules



Herramienta a Utilizarse



<https://saturnpcb.com/saturn-pcb-toolkit/>

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¡MUCHAS GRACIAS!

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