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*The Institute for  
Interconnecting  
and Packaging  
Electronic Circuits*

# IPC-DW-424

## General Specification for Encapsulated Discrete Wire Interconnection Board

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A standard developed by the Institute for Interconnecting  
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# General Specification for Encapsulated Discrete Wire Interconnection Boards

## 1.0 SCOPE

**1.1 Scope** This specification establishes the qualification and performance requirements for encapsulated discrete wire interconnection boards having wires which terminate in plated holes.

**1.2 Classification** The interconnection boards covered by this specification shall be classified by type, class, dielectric material, and metallization process.

### 1.2.1 Type (See Figure 1)

*Type 1*—Rigid boards having discrete wires terminating in plated through-holes only.

*Type 2*—Rigid boards having discrete wires terminating in plated through-holes and/or wires traversing blind via holes.

*Type 3*—Rigid boards having discrete wires terminating in buried via holes as well as plated-through and/or blind via holes.

**1.2.2 Class** It is recognized that products supplied under this specification will be subject to classification according to intended end use. Therefore, several classes have been established and will be referred to throughout this document in order to reflect progressive increases in sophistication, functional performance requirements, and testing inspection frequency. Since there may be overlap between these class definitions, it is the responsibility of the end user to determine and to specify the class into which this product belongs. Qualification to a particular class automatically qualifies to all lower classes. The classes are as follows:

### *Class 1*—General Electronic Products

Product in this classification includes consumer products, some computer peripherals, as well as general military hardware suitable for applications where cosmetic imperfections are not important and the major requirement is function of the completed board.

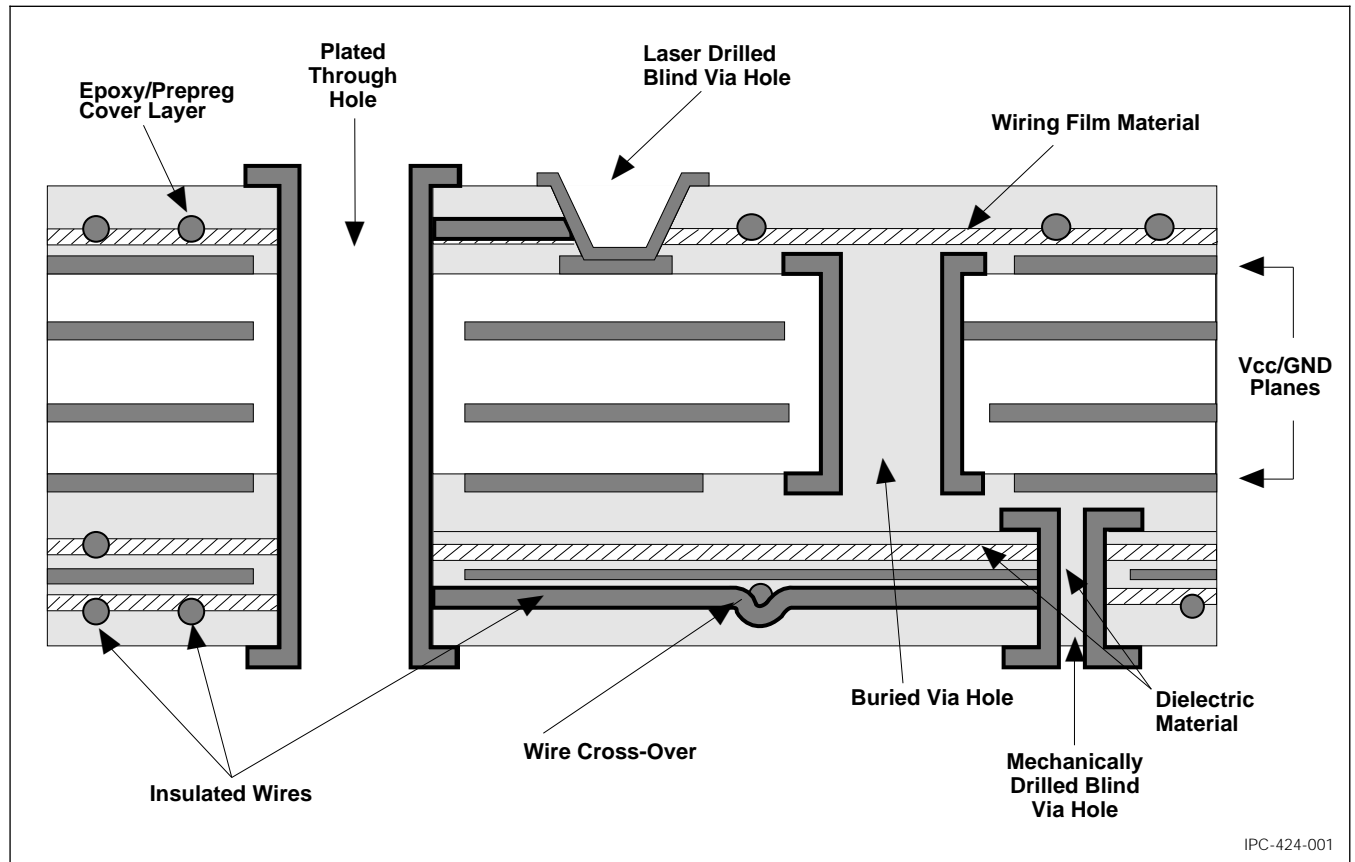


Figure 1 Typical Board Construction