SEARCH-BASE GUI FOR PROBE CARDS

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Abstract

We have thousand's of Design Files includes BOM, Schematics, CAD files and more in server.
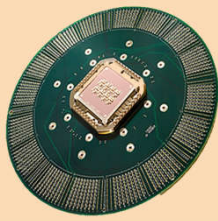
But when we need to search a Design file with particular attributes or part number of BOM how to search in those folder?????????

Challenge is to make the design file searchable with key words or with any important attribute

Where is the File of x, y or z Attributes ?

Solution/Method/Impact

The Query Interface - Multi Feature Similarity and BOM search

Command Buttons

List of all the Queries

Query Related to BOM

Main Attributes of the PCB designs

Link to the Project folder in Server

How?

1)Analyze all the important Data from the Design files and add it to the newly created database
2)Create the Query Interface to the database for easy search of those data –Make provision for future addition of design files

Analyze the Design File and Extract Important Data's   Add all the Data into Database   Develop the Easy Query System to Query all the Designs based on the Attributes

Data's –Database

Impact of Tool for Many Teams in Different Ways

Design(PCB)	Marketing	Purchase	Sales
• Browse all projects in seconds. • Allows for faster /accurate start of new design	Quick decision for the new Feasibility project	Reference to all the previous design cost of PCB and BOM	Potential immediate feedback to customer for accurate quote

Key Features

- 24 Key Attributes

- Easy Lookup System

- Quick Link to Open Design Folders/File

- Easy Input/Excel Output

- Automatic Updates to Component Library

Future Work

- Expandable to capture all company products

- MLO/MLC/Substrate can be added

- Feasibility Analysis

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