

SEARCH-BASE GUI FOR PROBE CARDS

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Solution/Method/Impact

The Query Interface –Multi Feature Similarity and BOM search

The screenshot shows a web-based interface for searching PCB designs. It includes a 'Project Name' field with a dropdown menu, a 'Customer' dropdown, and a 'Total Jobs' field. There are also fields for 'Tester Configuration', 'Stackup Lay', 'PCB Shape', 'Electrical Lay', 'Signal Layer', 'DC Layer', 'Pipework', 'Imgs Nets', 'Totalprobes', 'BGA Dimen', and 'BGA Pitch'. A 'Command Buttons' section contains 'View all', 'Search entry', 'Add entry', 'Update Selected', 'Delete Selected', 'Close', 'Options', 'Clear all', and 'Add BOM'. A 'List of all the Queries' section shows a list of queries with a 'Select all' button. A 'Query Related to BOM' section shows a list of BOM items with a 'Select all' button. A 'Component Break Down' section shows a list of components with a 'Select all' button. A 'Part Details' section shows a list of parts with a 'Select all' button. The interface is branded with the FORMFACTOR logo.

Abstract

We have thousand's of Design Files includes BOM, Schematics, CAD files and more in server.

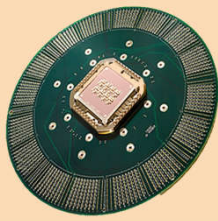


But when we need to search a Design file with particular attributes or part number of BOM how to search in those folder?????????



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 ?



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

Acknowledgement

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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

Impact of Tool for Many Teams in Different Ways

Design(PCB)	Marketing	Purchase	Sales
<ul style="list-style-type: none">• Browse all projects in seconds.• Allows for faster /accurate start of new design	<ul style="list-style-type: none">• Quick decision for the new Feasibility project	<ul style="list-style-type: none">• Reference to all the previous design cost of PCB and BOM	<ul style="list-style-type: none">• Potential immediate feedback to customer for accurate quote

