Questions

* How long is the average name? Like, “MAX7221” or “8 Digit Seven Segment Display Driver”?
* How long are typical part numbers?

Create an app that accesses the component symbol/footprint database and displays one entry at a time. The required fields to be displayed are as follows:

* Name
* Description
* Manufacturer
* Manufacturer Part Number
* Supplier
* Supplier Part Number
* Price
* Schematic Symbol (image)
* Footprint Symbol (image)
* Notes
* Applications (where the part has been used previously)
* Datasheet / Attached Documents

The user must be able to browse a list of entries with the ability to filter based on a free text search across every property of every entry.

Clicking on an applicable data point (manufacturer, supplier, application) should bring up a selection window pre-loaded with a search on that metric.