10/6/2020   Poojary Sushmita.

PCB design using Kicad   HALLIBECOH6

                           6B

* Mounting holes:-

• Mounting holes are on every PCB design, but there is very little documentation about this subject matter.

• A Google or wikipedia search on "Mounting Holes" renders no solutions to the PCB designer.

• Another issue that interferes with stadadization is imperial unit ASNI hardware & ISO metric hardware.

* Create a library:-

• The library name should be unique within the chosen library.

• It should also communicate what footfvints to expects within to your target audience.

• Adding it to the global table will make this lib visible to all global your projects.

• The project library table only adds is to the current project.

* Steps to create your Component footprit :-

Creating your footprint in Altium constists of 4 steps :

1) Create the pads.
2) Define component height & area.
3) Add silk screen information.
4) Save the footprint.

1) Create the pads:-
- You will need the landing pattern for your part, which can be found towards the end of the component data sheet.

2) Define component height & area;
- In this step, we need to define the height & area occupied by the component.

3) Add silk screen information:-
- We will follow the suggestion from the data sheet & indicate only where the corners should be.

4) Save the footprint:-

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* **Hiding a sensitive data:**

- When thinking about seqcurity with a mysql installation, you should consider a wide range of possible procedure / best practices & how they affect the security of your Mysql server & related application.

- Mysql provides many tools / features / pluging in order to protect your data including some advanced feature like transparent data - encryption aka TDE.

* **PHP double quotes vs single quotes:-**

- strings in PHP can be specified in 4 diff ways, single quoted, double quoted heredoc syntax.

- Single quoted strings are the earest way to specify single quotes PHP will not backslash (\) which has to be escaped.

* PHP sprintf () Function

Definition & usage:

The sprintf () function writes a formatted string to a variable.

The arg1, arg2, ++ parameters will be inserted at (%) signs in the main string.

If there are more % signs than arguments you must use placeholders.

Syntax:

sprintf (format, arg1, arg2, arg++)

Replace the ~~pre~~ percent sign by variable passed as argument:-
$number = 9; $str = "Beijing"; ...

* Introduction to user defined variables:-

• Mysql supports user defined variables to have some data that can be used later part of your query.

```
SET @ server_type:='MySQL';
```

- when you above command is executed, the value.
- Mysql is assigned to the variable called @server_type.

- Now you can use this variable in the later part of the code.

- Suppose if your want to display the value, you can use SELECT statement.