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# Design Documentation

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## COMMANDS

*Please note that all commands have prompts displayed on the CommandLine. If in doubt read the CommandLine.*

### 1.1 Commands Shortcut/Alias

Below is list of common, abbreviated commands available in Design. Enter the Shortcut followed by SpaceBar or Enter.

Icon	Short-cut	Command Description
	<i>L</i>	<b>Line</b> - Pick a start point followed by picking consecutive point(s) to draw line(s).
	<i>P L</i>	<b>PolyLine</b> - Pick a start point followed by picking consecutive point(s) to draw a continuous Poly-line.
	<i>C</i>	<b>Circle</b> - Pick a centre point followed by second point to define the radius.
	<i>A</i>	<b>Arc</b> - Pick a centre point, followed start of arc and end point.
	<i>R E C</i>	<b>Rectangle</b> - Pick a startpoint followed by opposite corner to draw a rectangle.
	<i>M</i>	<b>Move</b> - Moves selected objects from picked base point to destination point or distance (select first or during).
	<i>C O</i>	<b>Copy</b> - Copies selected objects from picked base point to destination point or distance (select first or during).
	<i>R O</i>	<b>Rotate</b> - Rotates selected objects about picked base point to a defined or selected angle (select first or during).
	<i>T R</i>	<b>Trim</b> - Select trim boundary object(s) followed by object(s) to trim.
	<i>E X</i>	<b>Extend</b> - Select boundary edge(s) followed by object(s) to extend.
	<i>E</i>	<b>Erase</b> - Select items to erase. (select first or during).
	<i>DEL</i>	<b>Delete</b> - Functions as per Erase Command.
	<i>D T</i>	<b>Text</b> - Pick start point, enter height and enter required text string.
	<i>D I</i>	<b>Distance</b> - Pick a centre point followed by second point to measure the distance.
	<i>I D</i>	<b>Identify</b> - Pick a single point to display the co-ordinates.

*SpaceBar repeats last command*

## WHAT IS DESIGN

Design is an opensource 2D computer aided design application (CAD) application, created to meet the needs of makers and designers, hobbyists and professionals that require a first class CAD application.

### 2.1 Goals:

- Educate. Learn. Teach. Pay it forward!
- Encourage. We love CAD and we want to love CAD too!
- Be free. Zero cost and zero restrictions.
- Play Well With Others. Design uses industry standard [DXF](#) Files.