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PRINTED CIRCUIT BOARDS

1 - 48 Layers

1WD Express

30 Years experience

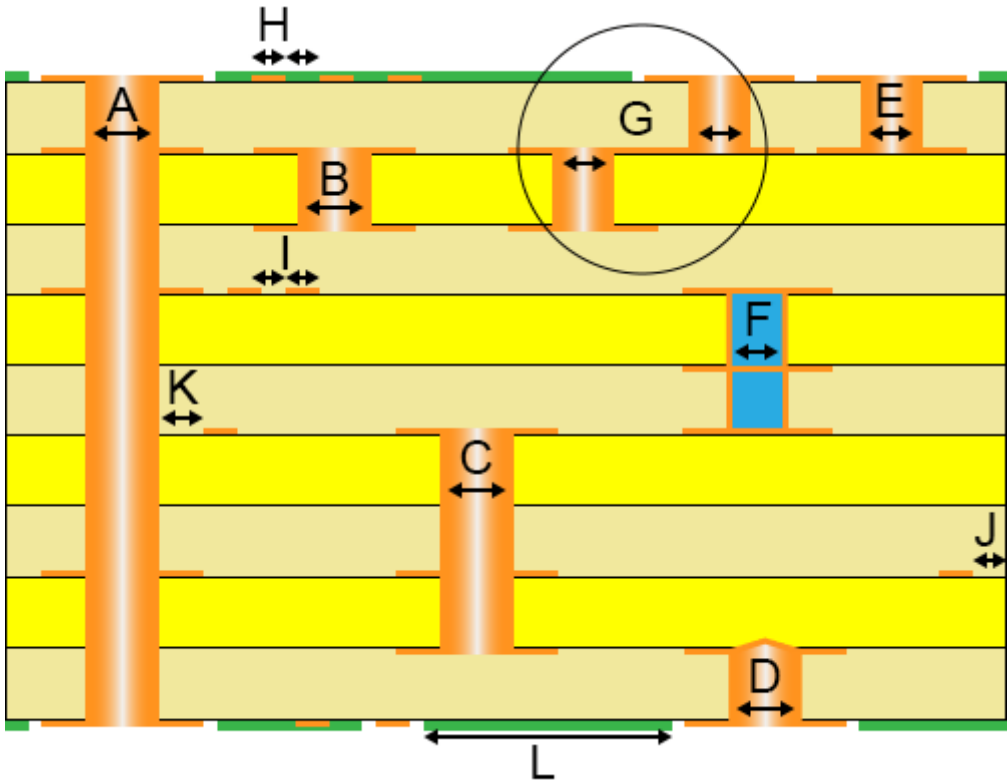
DISPATCH & SUPPORT

from Germany, shipping costs (e.g. 1kg)

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Design Parameters



Here you can download the Basic Design Rules incl. Design Parameters.

The following parameters are exemplary for 35µm copper thickness.

For other thicknesses / special production, please contact our **technical hotline: +49 (0)8104 628 210**.

Index			Standard (min.)	Special production(min.)
A, B, C	Via, buried via Component hole: Annular ring circular + 25µm	aspect ratio diameter via pad annular ring	1:10 200µm 400µm 100µm circular	1:12 150µm 330µm 90µm circular
D	Blind Via, mechanical max. Ø 300µm	aspect ratio diameter via pad annular ring	1:1 200µm 400µm 100µm circular	1:1.2 150µm 350µm 100µm circular
E	Blind Via, laser	aspect ratio diameter via pad annular ring	- - - -	1:1 100µm 280µm 90µm circular*
F	Stacked Vias Disproportional high effort. Please contact our CAM department for alternatives.	aspect ratio diameter via pad annular ring	- - - -	- - - -
G	Staggered Vias	aspect ratio diameter via pad annular ring	1:1 - 1:12 ** 200µm 400µm 100µm circular	1:1 - 1:12 ** 100µm 300µm 90µm circular
H, I	Conductors (see Conductor/copper thickness)	width space	100µm 100µm	75µm 90µm 100µm 90µm

Index			Standard (min.)	Special production(min.)
J	Conductor/pad to milling edge	space	200µm	200µm
	Conductor/pad to scoring edge		500µm	500µm
K	Conductor/pad to hole (PTH, NPTH)	space	200µm	200µm
L	Solder-stop, green	clearance	50µm circular	25µm circ. (BGA)
		bridge	100µm	80µm
	Solder-stop, other colors	clearance	-	50µm circular
		bridge	-	125µm

* Prior data check necessary. ** see Buried Via, Blind Via

Additional information

- [Basic Design Rules download](#)
- [Overview of technical options](#)
- [Conductor / Copper thickness](#)
- [Conductor / Ampacity](#)
- [Marking print](#)


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