PRINTED CIRCUIT BOARDS
INTERCONNECTION CARRIERS

State of the Art: PCB's	Revisio	Datum:	Seite:
PRINTED CIRCUIT BOARDS	01	4. 11. 2001	1/1

Schematic Key for Multilayer and HDI-Technology Built-Ups

Registratur: C:\S_Daten\99_Archiv_Neutral\Multilayer_Aufbau_Doc\00p0e_KeyMultilayerBuilt-up 2003 09 01.doc

a	b	c	d	e	f	g + h+ i
04	188	FR4	55	L41.35_71.18	P10_20	v1.99_2-3_4-5_6-7_s0

columns and equal kind of positions are separated by "_". Equal prefixes in one column are reduced to one.

04_188_FR4_L41.35_71.18_p10_20_v1.99_2-3_4-5_6-7_s0

	Parameter:		Examples	Explanation:	Units:
a	numbers of layers:	core-layer	04	4-layer of MLBs	numeric
		sequential built-ups	(1-4-1)	2-outer-layer of sequential built-ups and 4-core-layer	
b	total thickness after the built up and final plating:		188	1880 µ	per 10 µ
c	type of material:		FR4	quality of material	
d	copper thickness of the outer layer after the built up and final plating:		55	55 µ	per 1µ
e	different kinds of core material and copper foils on both sides:		L41.35_73.18	L = core material (prefix) p.e.: core thickness 410µ + cu foil 2 x 35µ + core thickness 730µ + cu foil 2 x 18µ	per 10 µ . per 1µ
f	number and thickness of the prepregs:		p10_20	p = prepregs (prefix) p.e.: core thickness 410µ + core thickness 730µ	per 10 µ
g + h + i	buried vias:		v2-3	v = buried via (prefix) connects inner layer 2 to inner layer 3	inner layers
	blind vias:		v1.99	v = blind via (prefix) connects outer layer 01 to inner layer 2/3/4 etc and outer layer 99 to inner 7/8 etc	outer layers: top outer is layer 1 and bottom outer is always layer 99 (p.e.: 4-layer ML has therefor layer 1+2+3+99)
	special code number of the assembly:		s0	none	
j	Standard-Multilaye:		☑	default built-up in our factory	yes = ☑

Tolerance on total thickness = +/- 5%.

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Anschrift: Oberdiessemer Straße15 - 47805 Krefeld - Registernummer: Krefeld HRB 1444 - USt-IdNr.: DE 120 156 920 - Geschäftsführer: Manfred Völker

Your way to us: From A57 either directions take the exit „Krefeld-Oppum“ follow the road „Untergath“/ turn right at the 7th traffic light and follow the sign „Alexianer-Krankenhaus“ / cross the next traffic light / we are located on the left hand side about 0.1 miles in front of the railway.