

customer	
pcb name	
WE article number	
engineer	
date	



Multilayer 10 Layers

PCB Thickness : 1,56 mm +/- 10%

Rigid area Structure	Rigid area Thickness	Material description	Via types	Layer usage	Impedance	
					Er	Z[Ohm] Line / Space
Soldermask	15					
L1	45	* Incl. Plating	Top-Layer			
	140	FR4 TG 150			3.5	
L2	18					
	150	FR4 TG 150			3.7	
L3	18					
	140	FR4 TG 150			4.3	
L4	18					
	150	FR4 TG 150			3.7	
L5	18					
	140	FR4 TG 150			4.3	
L6	18					
	150	FR4 TG 150			3.7	
L7	18					
	140	FR4 TG 150			4.3	
L8	18					
	150	FR4 TG 150			3.7	
L9	18					
	140	FR4 TG 150			4.3	
L10	45	* Incl. Plating	Bottom-Layer			
Soldermask	15					

Notes:
 50 % copper occupancy IL
 final copper thickness according to IPC 6012
 Dielectric material according IPC-4101 E / 128 (127)
 For Microvia technology please use our HDI stackups

Revision: Created: W. Brylka / Scrutinised: A. Schilpp / Approved: A.Schilpp
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Via types - Standard and options

Standard Via	Plugged Via (Type III-a)	Filled & Capped Via (IPC Type VII)