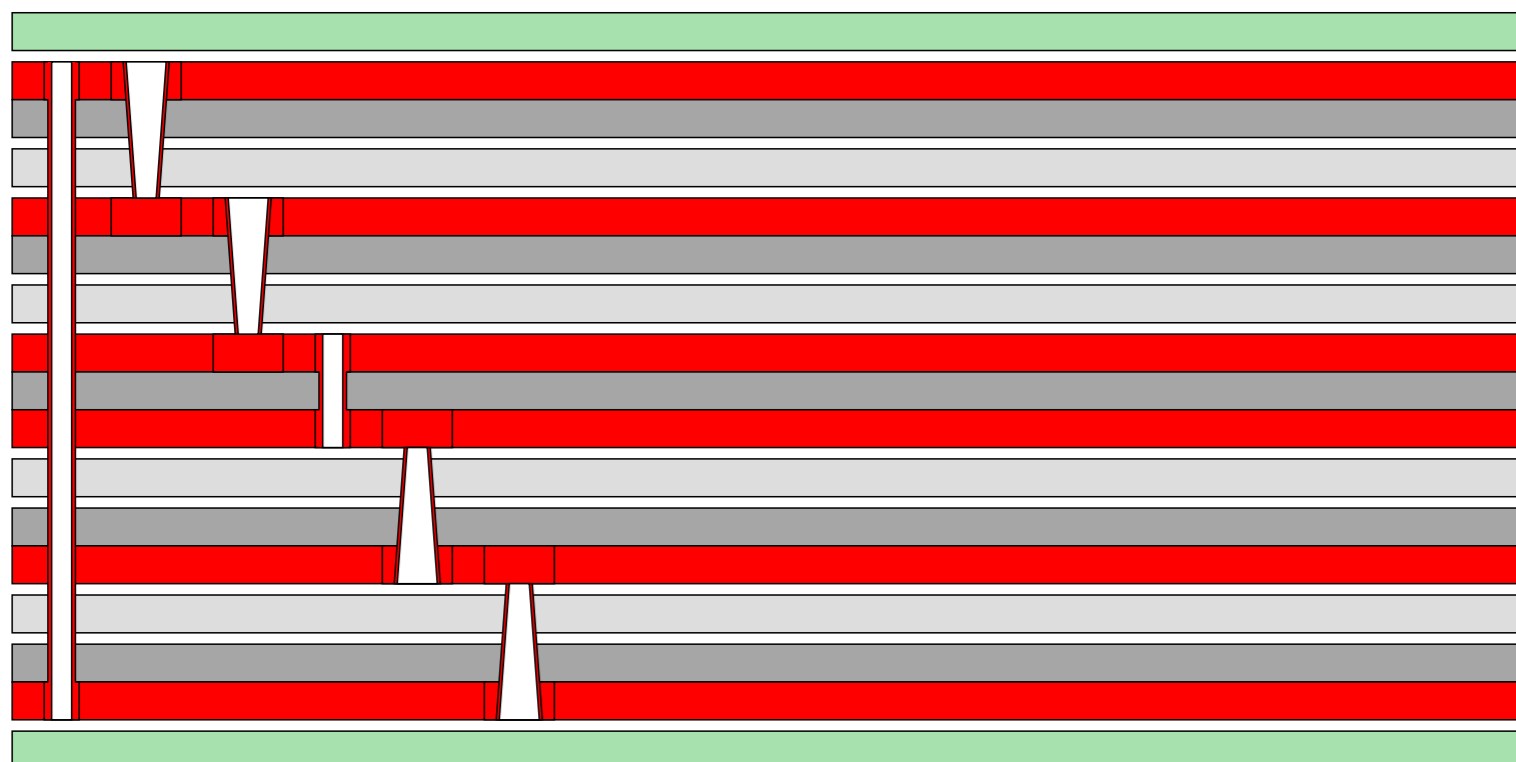


# Rigid



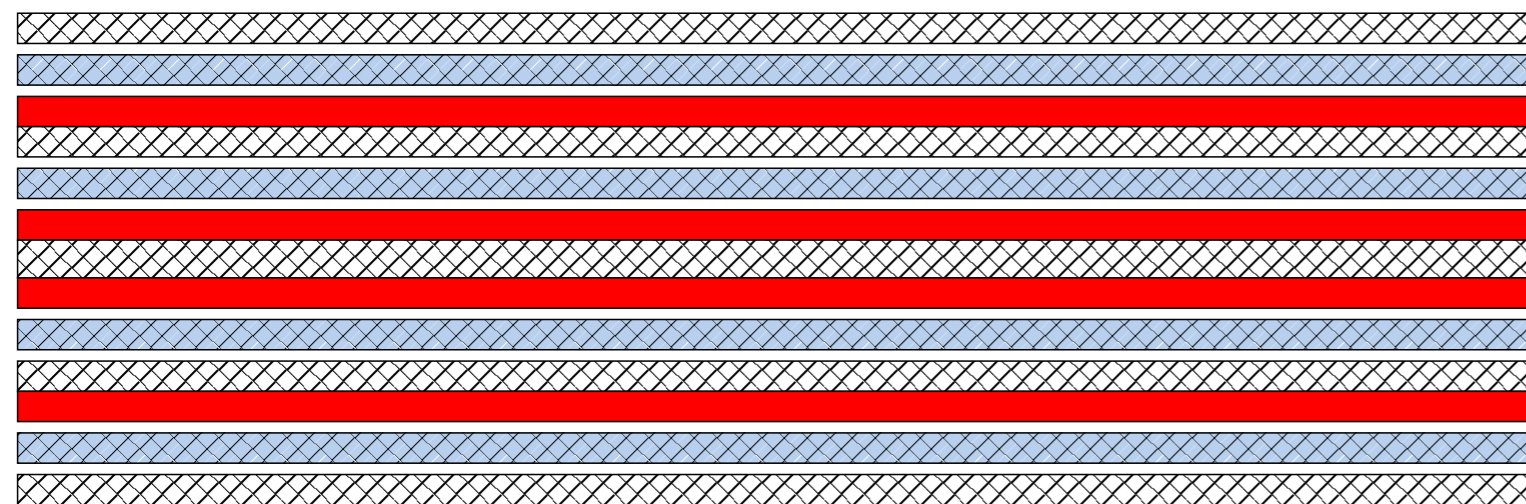
# Layer	Thickness	Description	Dk	Df	Note
Top Solder	0.020mm	Soldermask JIS-C-5012/IPC-SM840	4,3	0,05	flexibel, photosensitive
1 Top Side	0.030mm	Starting foil 1/4oz. after plating and processing	3,4	0,003	Flex Polyimide adhesiveless
	0.005mm	Flexible core IPC-4204/11			
	0.015mm	Bonding film IPC-4204/2 (part of)			
2 Inner Layer 1	0.018mm	Plated HDI inner layer after plating and processing	3,4	0,003	Flex Polyimide adhesiveless
	0.005mm	Flexible core IPC-4204/11			
	0.015mm	Bonding film IPC-4204/2 (part of)			
3 Inner Layer 2	0.018mm	Plated HDI inner layer after plating and processing	3,4	0,002	Flex Polyimide adhesiveless
	0.050mm	Flexible core IPC-4204/11			
4 Inner Layer 3	0.018mm	Plated HDI inner layer after plating and processing	3	0,019	Flexible Adhesive (Epoxy)
	0.015mm	Bonding film IPC-4204/2 (part of)			
	0.005mm	Flexible core IPC-4204/11			
5 Inner Layer 4	0.018mm	Plated HDI inner layer after plating and processing	3,4	0,003	Flex Polyimide adhesiveless
	0.015mm	Bonding film IPC-4204/2 (part of)			
	0.005mm	Flexible core IPC-4204/11			
6 Bottom Side	0.030mm	Starting foil 1/4oz. after plating and processing			
Bottom Solder	0.020mm	Soldermask JIS-C-5012/IPC-SM840	4,3	0,05	flexibel, photosensitive

**Total thickness: 0.302mm**

notes:	<b>FLEX6_6F_0,30_12_V2.12</b>		
Final copper thickness according to IPC-6013	PCB Thickness Tolerance: rigid ± 10% / flex ± 0,05mm		
	customer		created
IPC 2223 use A "Flex to install"	pcb name		approved
	engineer		format A4, landscape
Please regard to our sectional design rules: ▶ <a href="http://www.we-online.com">www.we-online.com</a>	date		
	Template Revision: 02/2021 by Andreas Schilpp / Michael Kress / Werner Öchslen		



# Flex



#	Layer	Thickness	Description	Dk	Df	Note
		0.005mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
		0.015mm	Bonding film IPC-4204/2 (part of)	3	0,019	Flexible Adhesive (Epoxy)
2	Inner Layer 1	0.018mm	Plated HDI inner layer after plating and processing			
		0.005mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
		0.015mm	Bonding film IPC-4204/2 (part of)	3	0,019	Flexible Adhesive (Epoxy)
3	Inner Layer 2	0.018mm	Plated HDI inner layer after plating and processing			
		0.050mm	Flexible core IPC-4204/11	3,4	0,002	Flex Polyimide adhesiveless
4	Inner Layer 3	0.018mm	Plated HDI inner layer after plating and processing			
		0.015mm	Bonding film IPC-4204/2 (part of)	3	0,019	Flexible Adhesive (Epoxy)
		0.005mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
5	Inner Layer 4	0.018mm	Plated HDI inner layer after plating and processing			
		0.015mm	Bonding film IPC-4204/2 (part of)	3	0,019	Flexible Adhesive (Epoxy)
		0.005mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless

**Total thickness: 0.202mm**

notes:	<b>FLEX6_6F_0,30_12_V2.12</b>		
Final copper thickness according to IPC-6013	PCB Thickness Tolerance: rigid ± 10% / flex ± 0,05mm		
IPC 2223 use A "Flex to install"	customer	created	
	pcb name	approved	
Please regard to our sectional design rules: ▶ <a href="http://www.we-online.com">www.we-online.com</a>	engineer	format	A4, landscape
	date		
Template Revision: 02/2021 by Andreas Schilpp / Michael Kress / Werner Öchslen			



# Flex

#	Layer	Thickness	Description	Dk	Df	Note
		0.005mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
		0.015mm	Bonding film IPC-4204/2 (part of)	3	0,019	Flexible Adhesive (Epoxy)
		0.005mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
		0.015mm	Bonding film IPC-4204/2 (part of)	3	0,019	Flexible Adhesive (Epoxy)
3	Inner Layer 2	0.018mm	Plated HDI inner layer after plating and processing			
		0.050mm	Flexible core IPC-4204/11	3,4	0,002	Flex Polyimide adhesiveless
4	Inner Layer 3	0.018mm	Plated HDI inner layer after plating and processing			
		0.015mm	Bonding film IPC-4204/2 (part of)	3	0,019	Flexible Adhesive (Epoxy)
		0.005mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
		0.015mm	Bonding film IPC-4204/2 (part of)	3	0,019	Flexible Adhesive (Epoxy)
		0.005mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
<b>Total thickness: 0.166mm</b>						

notes:	<b>FLEX6_6F_0,30_12_V2.12</b>		
Final copper thickness according to IPC-6013	PCB Thickness Tolerance: rigid ± 10% / flex ± 0,05mm		
IPC 2223 use A "Flex to install"	customer	created	
	pcb name	approved	
Please regard to our sectional design rules: ▶ <a href="http://www.we-online.com">www.we-online.com</a>	engineer	format	A4, landscape
	date		
Template Revision: 02/2021 by Andreas Schilpp / Michael Kress / Werner Öchslen			

