

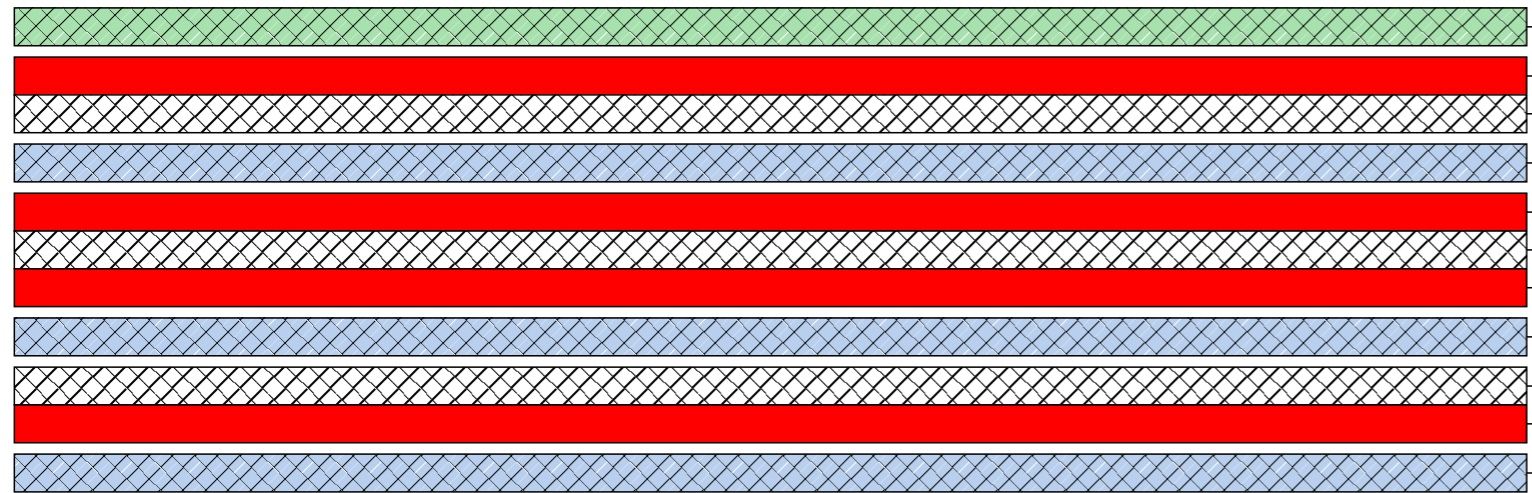
# Rigid

#	Layer	Thickness	Description	Dk	Df	Note
	flexible Soldermask Top	0.015mm	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
		0.025mm	Flexible core IPC-4204/11	3,8	0,025	Flexible Adhesive (Acrylic)
2	Inner Layer 1	0.017mm	ED Base Copper	3,4	0,002	Flex Polyimide adhesiveless
3	Inner Layer 2	0.017mm	ED Base Copper	3,8	0,025	Flexible Adhesive (Acrylic)
		0.025mm	Bonding film IPC-232/18	3,4	0,003	Flex Polyimide adhesiveless
4	Bottom Side	0.030mm	Starting foil 1/4oz. after plating and processing	4,3	0,05	flexibel, photosensitive
		0.015mm	Soldermask JIS-C-5012/IPC-SM840	4	0,025	Transfer Adhesive (Acrylic)
		0.050mm	3M Adhesive foil			
		0.360mm	Core IPC-4101/127/128	4,7	0,011	FR-4.1 filled, halogen free
<b>Total thickness: 0.684mm</b>						

notes:	<b>FLEX4_4F-Ri_0,68_17_V2.12</b>		
Final copper thickness according to IPC-6013	PCB Thickness Tolerance: rigid $\pm 10\%$ / flex $\pm 0,05\text{mm}$		
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
flexible Soldermask Top	0.015mm	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			
	0.025mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
	0.025mm	Bonding film IPC-232/18	3,8	0,025	Flexible Adhesive (Acrylic)
2 Inner Layer 1	0.017mm	ED Base Copper			
	0.050mm	Flexible core IPC-4204/11	3,4	0,002	Flex Polyimide adhesiveless
3 Inner Layer 2	0.017mm	ED Base Copper			
	0.025mm	Bonding film IPC-232/18	3,8	0,025	Flexible Adhesive (Acrylic)
	0.025mm	Flexible core IPC-4204/11	3,4	0,003	Flex Polyimide adhesiveless
4 Bottom Side	0.030mm	Starting foil 1/4oz. after plating and processing			
	0.015mm	Soldermask JIS-C-5012/IPC-SM840	4,3	0,05	flexibel, photosensitive

**Total thickness: 0.274mm**

notes:	<b>FLEX4_4F-Ri_0,68_17_V2.12</b>		
Final copper thickness according to IPC-6013	PCB Thickness Tolerance: rigid $\pm 10\%$ / flex $\pm 0,05\text{mm}$		
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
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