

Rigid

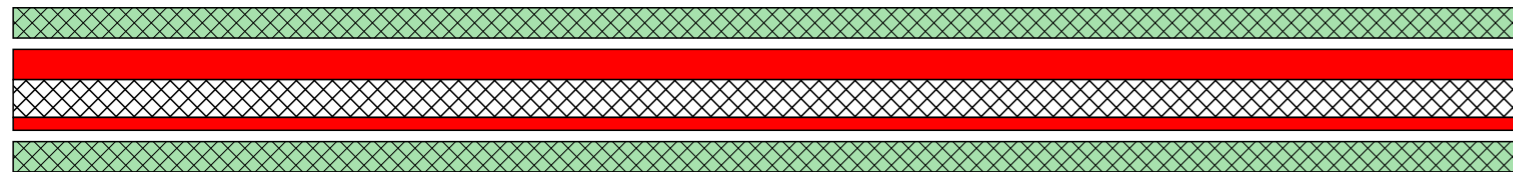
#	Layer	Thickness	Description	Note
	Top Solder	0.015mm	Soldermask IPC-SM840	used on rigid parts
	Top Surface Finish	0.006mm		
1	Top Side	0.040mm	Starting foil 1/4oz. after plating and processing	
		0.050mm	Flexible core IPC-4204/11	Flex Polyimide adhesiveless
2	Inner Layer 1	0.017mm	ED Base Copper	
		0.100mm	Prepreg IPC-4101/127/128	LowFlow FR-4.1 filled, halogen free
		1.165mm	Core IPC-4101/127/128 w/o Cu 0.5 oz.	FR-4.1 filled, halogen free
3	Inner Layer 2	0.017mm	ED Base Copper	
		0.065mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
4	Bottom Side	0.040mm	Starting foil 1/4oz. after plating and processing	
	Bottom Surface Finish	0.006mm		
	Bottom Solder	0.015mm	Soldermask IPC-SM840	used on rigid parts
Total thickness: 1.535mm				

notes:		FLEX4_2F-2Ri_153_17_2V13	
Final copper thicknesses according to IPC-6013	Please follow our sectional design rules: ▶ www.we-online.com/designrigidflex	PCB Thickness Tolerance: rigid ± 10% / flex ± 0,05mm	
IPC-2223 use A "Flex to install"	For impedance matching stackups: Please consult our specialists: FLEX@we-online.com	customer	created
Standard: Surface Finish ENIG (Ni 5.5 µm ± 1.5 µm, Au 0.075 µm ± 0.025 µm)		pcb name	approved
		engineer	format A4, landscape
		date	
Template Revision: 10/2023 by Andreas Schilpp / Michael Kress / Werner Öchslen			




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MORE THAN
YOU EXPECT

Flex



# Layer	Thickness	Description	Note
flexible Soldermask Top	0.040mm	Soldermask JIS-C-5012/IPC-SM840	flexibel, thermal cured
1 Top Side	0.040mm	Starting foil 1/4oz. after plating and processing	
	0.050mm	Flexible core IPC-4204/11	Flex Polyimide adhesivesless
2 Inner Layer 1	0.017mm	ED Base Copper	
Coverlay Bottom	0.040mm	PI Coverlay IPC-4203/2	Polyimide + bonding film (Epoxy)
Total thickness: 0.187mm			

notes:		FLEX4_2F-2Ri_153_17_2V13		 WÜRTH ELEKTRONIK MORE THAN YOU EXPECT
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IPC-2223 use A "Flex to install"	For impedance matching stackups: Please consult our specialists: FLEX@we-online.com	customer	created	
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		engineer	format A4, landscape	
		date		Template Revision: 10/2023 by Andreas Schilpp / Michael Kress / Werner Öchslen