

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
		0.050mm	Prepreg IPC-4101/127/128	LowFlow FR-4.1 filled, halogen free
2	Inner Layer 1	0.017mm	ED Base Copper	
		0.510mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
3	Inner Layer 2	0.017mm	ED Base Copper	
		0.125mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
4	Inner Layer 3	0.017mm	ED Base Copper	
		0.510mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
5	Inner Layer 4	0.017mm	ED Base Copper	
		0.090mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
6	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: 1.524mm				

notes:		FLEX6_1F-5Ri_152_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
Flex Top Flexible Soldermask	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 adhesiveless
Total thickness: 0.130mm			

notes:		FLEX6_1F-5Ri_152_17_2V13		 WÜRTH ELEKTRONIK MORE THAN YOU EXPECT
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