


# 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	
		0.300mm	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	
		0.300mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
5	Inner Layer 4	0.017mm	ED Base Copper	
		0.125mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
6	Inner Layer 5	0.017mm	ED Base Copper	
		0.300mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
7	Inner Layer 6	0.017mm	ED Base Copper	
		0.090mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
8	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: 1.563mm**

notes:		<b>FLEX8_1F-7Ri_156_17_2V13</b>		 <b>WÜRTH ELEKTRONIK</b> MORE THAN YOU EXPECT
Final copper thicknesses according to IPC-6013	Please follow our sectional design rules: ▶ <a href="http://www.we-online.com/designrigidflex">www.we-online.com/designrigidflex</a>	PCB Thickness Tolerance: rigid ± 10% / flex ± 0,05mm		
IPC-2223 use A "Flex to install"	For impedance matching stackups: Please consult our specialists: <a href="mailto:FLEX@we-online.com">FLEX@we-online.com</a>	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				

# 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
<b>Total thickness: 0.130mm</b>			

notes:		<b>FLEX8_1F-7Ri_156_17_2V13</b>		 <b>WÜRTH ELEKTRONIK</b> MORE THAN YOU EXPECT
Final copper thicknesses according to IPC-6013	Please follow our sectional design rules: ▶ <a href="http://www.we-online.com/designrigidflex">www.we-online.com/designrigidflex</a>	PCB Thickness Tolerance: rigid ± 10% / flex ± 0,05mm		
IPC-2223 use A "Flex to install"	For impedance matching stackups: Please consult our specialists: <a href="mailto:FLEX@we-online.com">FLEX@we-online.com</a>	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