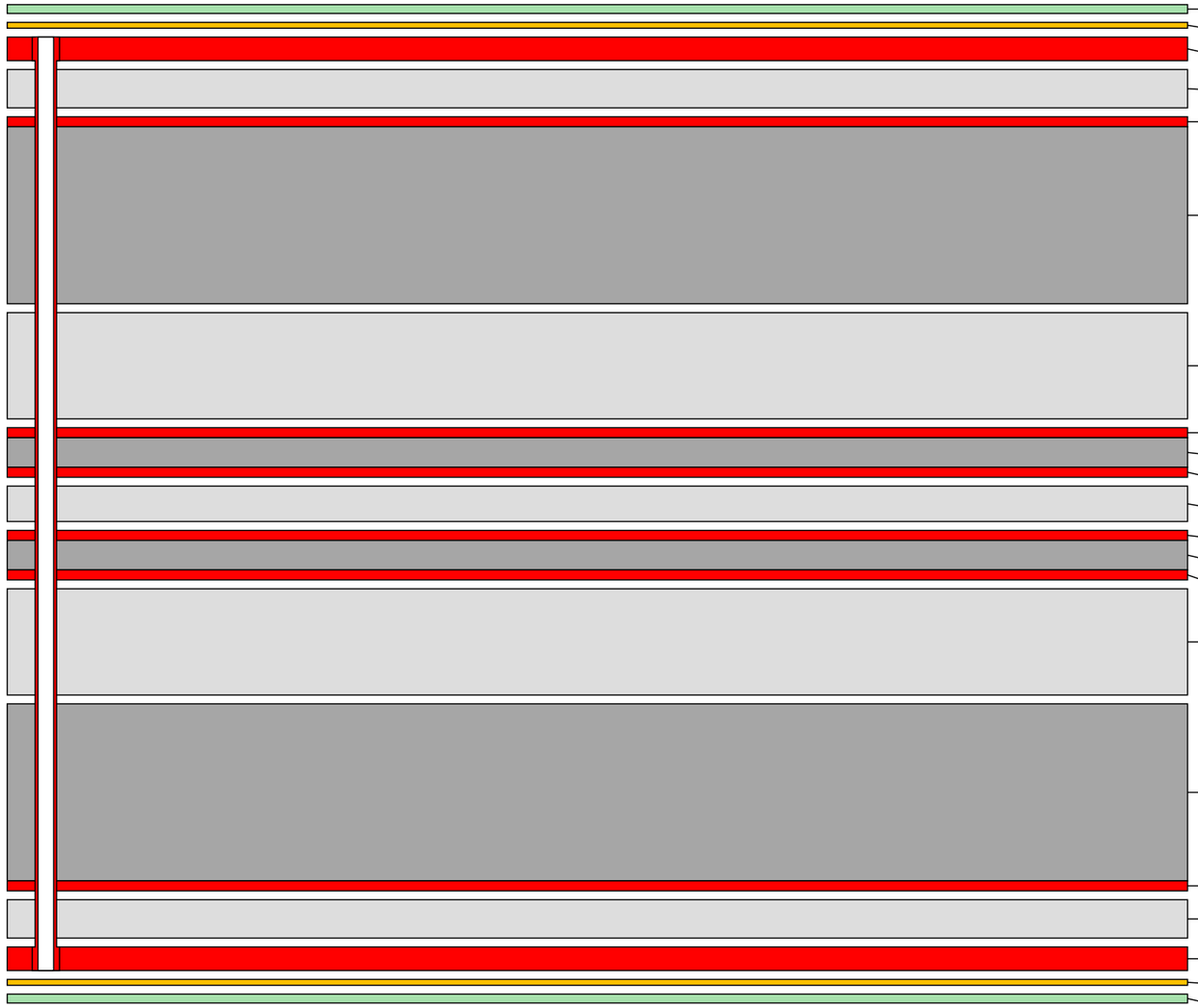
Rigid



#	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	
		0.065mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
2	Inner Layer 1	0.017mm	ED Base Copper	
		0.360mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
		0.180mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
3	Inner Layer 2	0.017mm	ED Base Copper	
		0.050mm	Flexible core IPC-4204/11	Flex Polyimide adhesiveless
4	Inner Layer 3	0.017mm	ED Base Copper	
		0.060mm	IPC-4101/127/128 + IPC-4203/1	MIX layer Prepreg + Bondply
5	Inner Layer 4	0.017mm	ED Base Copper	
		0.050mm	Flexible core IPC-4204/11	Flex Polyimide adhesiveless
6	Inner Layer 5	0.017mm	ED Base Copper	
		0.180mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
		0.360mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
7	Inner Layer 6	0.017mm	ED Base Copper	
		0.065mm	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: 1.593mm

notes:

Final copper thicknesses according to IPC-6013

IPC-2223 use A "Flex to install"

Standard: Surface Finish ENIG
(Ni 5.5 µm ± 1.5 µm, Au 0.075 µm ± 0.025 µm)

Please follow our sectional design rules:
► www.we-online.com/designrigidflex

For impedance matching stackups: Please consult our specialists: FLEX@we-online.com

FLEX8_2Ri-4F-2Ri_159_17_2V13

PCB Thickness Tolerance: rigid ± 10% / flex ± 0,05mm

customer		created	
pcb name		approved	
engineer		format	A4, landscape
date			

Template Revision: 10/2023 by Andreas Schilpp / Michael Kress / Werner Öchslen

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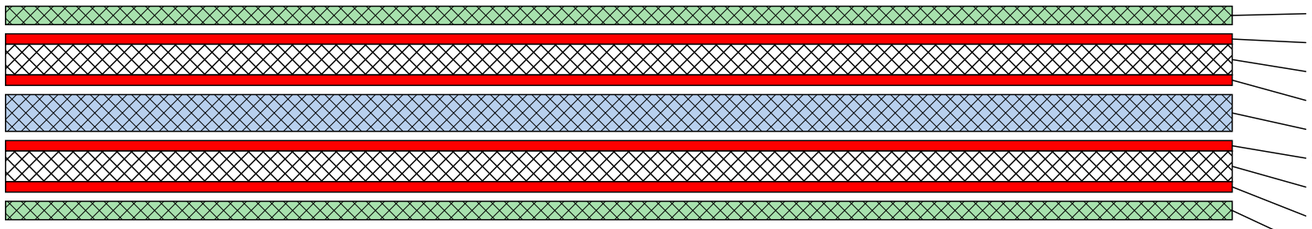
Flex



#	Layer	Thickness	Description	Note
	Flex Top Coverlay	0.030mm	PI Coverlay IPC-4203/1	Polyimide + bonding film (Acrylic)
3	Inner Layer 2	0.017mm	ED Base Copper	
		0.050mm	Flexible core IPC-4204/11	Flex Polyimide adhesiveless
4	Inner Layer 3	0.017mm	ED Base Copper	
		0.060mm	IPC-4101/127/128 + IPC-4203/1	MIX layer Prepreg + Bondply
5	Inner Layer 4	0.017mm	ED Base Copper	
		0.050mm	Flexible core IPC-4204/11	Flex Polyimide adhesiveless
6	Inner Layer 5	0.017mm	ED Base Copper	
	Flex Bottom Coverlay	0.030mm	PI Coverlay IPC-4203/1	Polyimide + bonding film (Acrylic)

Total thickness: 0.288mm

notes:		**FLEX8_2Ri-4F-2Ri_159_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**			
		customer		**created**	
IPC-2223 use A "Flex to install"	**For impedance matching stackups: Please consult our specialists: FLEX@we-online.com**	**pcb name**		**approved**	
		engineer		**format**	**A4, landscape**
Standard: Surface Finish ENIG (Ni 5.5 µm ± 1.5 µm, Au 0.075 µm ± 0.025 µm)		**date**			
		Template Revision: 10/2023 by Andreas Schilpp / Michael Kress / Werner Öchslen			

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