

Rigid

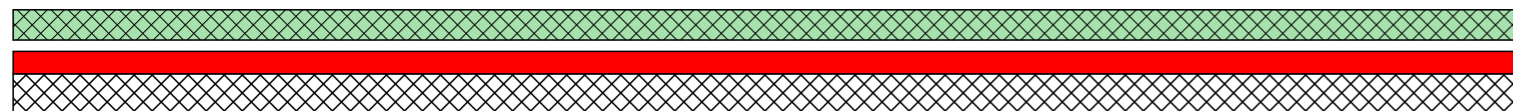
| # | Layer | Thickness | Description | Note |
|---------------------------------|-----------------------|-----------|---|-------------------------------------|
| | Top Solder | 0.015mm | Soldermask IPC-SM840 | used on rigid parts |
| | Top Surface Finish | 0.006mm | | |
| 1 | Top Side | 0.030mm | Starting 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 |
| | | 1.165mm | Core IPC-4101/127/128 w/o Cu 0.5 oz. | FR-4.1 filled, halogen free |
| | | 0.045mm | Prepreg IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 2 | Bottom Side | 0.030mm | 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: 1.411mm | | | | |

| | | | |
|--|---|--|----------------------|
| notes: | | FLEX2_1F-1Ri_141_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 | | | |




**WÜRTH
ELEKTRONIK**
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 | 0.030mm | Starting foil 1/4oz. after plating and processing | |
| | 0.050mm | Flexible core IPC-4204/11 | Flex Polyimide adhesiveless |
| Total thickness: 0.120mm | | | |

| | | | | |
|--|---|--|----------------------|--|
| notes: | | FLEX2_1F-1Ri_141_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 | |
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