



## WEdirekt: Overview of the ordering options 2/2



	Flex rigid 1F-1Ri	Flex rigid 1F-3Ri	Flex rigid 1F-5Ri	TWINflex® 1F-Ri	TWINflex® 2F-Ri
<b>min. PCB / panel size</b>	30mm x 15mm (only as a panel)	30mm x 15mm (only as a panel)	30mm x 15mm (only as a panel)	30mm x 15mm (only as a panel)	30mm x 15mm (only as a panel)
<b>max. PCB / panel size</b>	426mm x 271mm (only as a panel)	426mm x 271mm (only as a panel)	426mm x 271mm (only as a panel)	426mm x 271mm	426mm x 271mm
<b>material type</b>	TG 150	TG 150	TG 150	Polyimid (glueless)	Polyimid (glueless)
<b>number of layers</b>	2 layer	4 layer	6 layer	1 Lage	2 layer
<b>thickness</b>	• 1.00mm • 1.55mm	• 1.00mm • 1.55mm	• 1.00mm • 1.55mm	Stiffener 0.30mm total	Stiffener 0.30mm total
<b>structures outside / inside</b>	• ≥ 150µm • ≥ 125µm • ≥ 100µm (not conform to IPC)	• ≥ 150µm • ≥ 125µm • ≥ 100µm (not conform to IPC)	• ≥ 150µm • ≥ 125µm • ≥ 100µm (not conform to IPC)	• ≥ 150µm • ≥ 125µm • ≥ 100µm (not conform to IPC)	• ≥ 150µm • ≥ 125µm • ≥ 100µm (not conform to IPC)
<b>copper outside / inside</b>	• 35µm	• outside: 35µm • inside: 18µm	• outside: 35µm • inside: 18µm	• 18µm • 35µm	• 18µm (keine galv. Metallisierung) • 35µm
<b>finished hole diameter</b>	• ≥ 0.25mm (Pad ≥ 0.60mm) • ≥ 0.10mm (Pad ≥ 0.45mm)	• ≥ 0.25mm (Pad ≥ 0.60mm) • ≥ 0.10mm (Pad ≥ 0.45mm)	• ≥ 0.25mm (Pad ≥ 0.60mm) • ≥ 0.10mm (Pad ≥ 0.45mm)	• ≥ 0.25mm (Pad ≥ 0.60mm) • ≥ 0.10mm (Pad ≥ 0.45mm)	• ≥ 0.25mm (Pad ≥ 0.60mm) • ≥ 0.10mm (Pad ≥ 0.45mm)
<b>smallest rout tool</b>	• ≥ 1.60mm ≤ 1.50mm and ≥ 1.10mm ≤ 1.00mm and ≥ 0.50mm	• ≥ 1.60mm ≤ 1.50mm and ≥ 1.10mm ≤ 1.00mm and ≥ 0.50mm	• ≥ 1.60mm ≤ 1.50mm and ≥ 1.10mm ≤ 1.00mm and ≥ 0.50mm	• ≥ 1.60mm ≤ 1.50mm and ≥ 1.10mm ≤ 1.00mm and ≥ 0.50mm	• ≥ 1.60mm ≤ 1.50mm and ≥ 1.10mm ≤ 1.00mm and ≥ 0.50mm
<b>laser drills (Micro-Via)</b>	no	no	no	no	no
<b>blind via</b>	no	no	no	no	no
<b>chamfer</b>	no	no	no	no	no
<b>edge plating</b>	no	no	no	no	no
<b>surface finish</b>	• ENIG • chem. Tin (Sn)	• ENIG • chem. Tin (Sn)	• ENIG • chem. Tin (Sn)	• ENIG • chem. Tin (Sn)	• ENIG • chem. Tin (Sn)
<b>hard gold with plating ties</b>	no	no	no	no	no
<b>solder resist</b>	green	green	green	green	green
<b>Fully coated silkscreen*</b>					
<i>*alternative to colored solder resist</i>	no	no	no	no	no
<b>Partial silkscreen (legend printing)</b>	white, yellow, red, blue, black	white, yellow, red, blue, black	white, yellow, red, blue, black	no	no
<b>Plugged Via</b>	no	no	no	no	no
<b>E-Test</b>	preset	preset	preset	optional	optional
<b>UL marking</b>	optional	optional	optional	no	no
<b>additional documentation</b>	CoC, optional	CoC, optional	CoC, optional	CoC, optional	CoC, optional