

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
min. PCB / panel size	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)
max. PCB / panel size	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
material type	TG 150	TG 150	TG 150	Polyimid (glueless)	Polyimid (glueless)
number of layers	2 layer	4 layer	6 layer	1 Lage	2 layer
thickness	• 1.00mm • 1.55mm	• 1.00mm • 1.55mm	• 1.00mm • 1.55mm	Stiffener 0.30mm total	Stiffener 0.30mm total
structures outside / inside	• ≥ 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)
copper outside / inside	• 35µm	• outside: 35µm • inside: 18µm	• outside: 35µm • inside: 18µm	• 18µm • 35µm	• 18µm (keine galv. Metallisierung) • 35µm
finished hole diameter	• ≥ 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)
smallest rout tool	• ≥ 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
laser drills (Micro-Via)	no	no	no	no	no
blind via	no	no	no	no	no
chamfer	no	no	no	no	no
edge plating	no	no	no	no	no
surface finish	• ENIG • chem. Tin (Sn)	• ENIG • chem. Tin (Sn)	• ENIG • chem. Tin (Sn)	• ENIG • chem. Tin (Sn)	• ENIG • chem. Tin (Sn)
hard gold with plating ties	no	no	no	no	no
solder resist	green	green	green	green	green
silk screen	• white • yellow	• white • yellow	• white • yellow	no	no
Plugged Via	no	no	no	no	no
E-Test	preset	preset	preset	optional	optional
UL marking	optional	optional	optional	no	no
additional documentation	CoC, optional	CoC, optional	CoC, optional	CoC, optional	CoC, optional