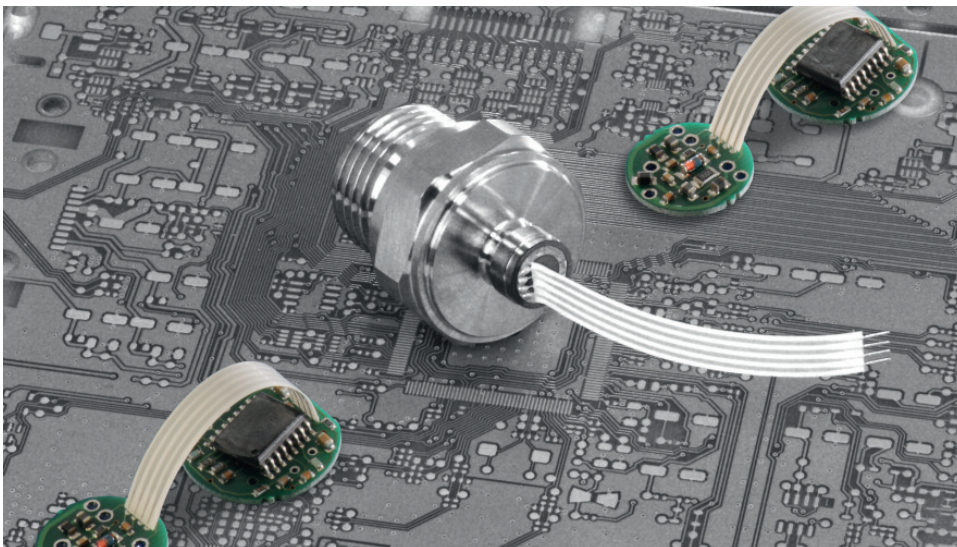


PANTA[®] FIX JUMPER



PANTA[®] FIX JUMPERS are highly flexible flat conductor connectors to circuit boards (PCBs). Solid round conductors ensure a fast and safe assembly. The PANTA[®] round-flat-round technology combines both. The copper conductors are rolled flat to a defined geometry in the insulating area. Ensuring the highest standards

of vibration and bending resistance. The smooth notch-free transition from round to flat guarantees fracture-safe connection points. The following materials can be used for the insulation: Polyester, Aramid fiber, PEN (Polyethylenaphthalat) or Polyimide.



CHARACTERISTICS

- Through Hole Technology (THT)
- High vibration and bending resistance Reliable and fracture-safe connection Very easy handling
- Immediately ready for installation
- Economizes working time and assembly costs
- Minimum space required
- Wiring errors are avoided
- Choice of various termination styles
- Allows combination with male connectors
- High-quality insulation materials (-40°C to +125°C)
- Different pitches within one jumper available (MIX)
- Short insulation lengths also available as wire jumpers (without the flat rolled copper section)

BENEFITS

- Smooth notch-free transition from flat to round
- Fracture-safe connection point Compensation of intrinsic vibrations Reduction of tension in the soldering area Avoidance of vibration resonances

Please do not hesitate to ask for our processing instructions for PANTA[®] FIX JUMPER.

FLAT-ROUND-180° – ANALYSIS

- Shifting of the bending stress into the flexible area
- Reduction of the bending stress at the solder joint
- High durability

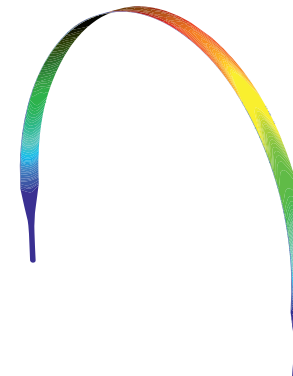
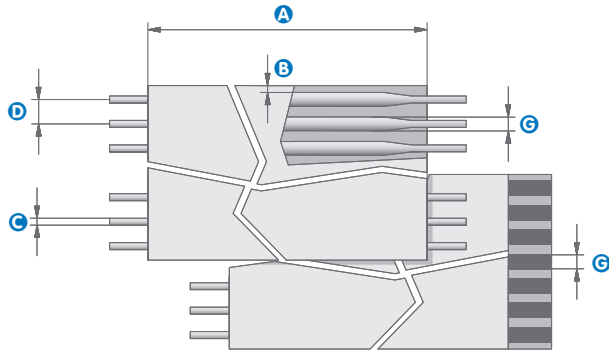


Abb.: Bending stress

Customer specials on request.

PANTA[®] FIX JUMPER



TECHNICAL DATA

Order code	E	G	B	L	D	F	A	Z	P	R	C
D Pitch (mm)	1,00	1,25	1,27	1,90	2,00	2,50	2,54	3,18	3,50	3,81	5,08
Max. number of pins	32	32	32	32	32	32	32	25	23	20	16
A Length (mm)	15-5000										
B Min. margin (mm)	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,5	0,5
C Pin diameter (mm)	0,32	0,32	0,32	0,40	0,40	0,51	0,51	0,51	0,51	0,51	0,51
American Wire Gauge (AWG)	28	28	28	26	26	24	24	24	24	24	24
G Flat conductor width (mm)	0,7	0,75	0,75	1,35	1,35	1,5	1,5	1,5	1,5	1,5	1,5
Flat conductor thickness (μm)	80	90	90	110	110	110	110	110	110	110	110
Conductor material	Cu-ETP (E-Cu); min 1,5 μm tin-plated					min 2-3 μm tin-plated					
Current rating at 20°C (A)	1,0	1,5	1,5	2,0	2,0	3,5	3,5	3,5	3,5	3,5	3,5
Voltage rating (V_{DC})	200	200	200	200	200	300	300	300	300	300	300
Dielectric strength (V_{DCmin})	700	700	700	1500	1500	1500	1500	1500	1500	1500	1500

Insulation	Polyester	Aramid fiber	PEN	Polyimide
Insulation resistance (Ω - GRD-SIG-GRD)	>10 ¹⁰			
Operation temperature (°C)	-40 ... +105	-40 ... +125	-40 ... +125	-40 ... +125
Soldering temperature* (°C/ sec.)	250/4	260/5	260/5	260/5

Customer specials on request.

Pitch	Insulation material	Termination Style
e.g. A= 2,54 mm see pitch code	e.g. P = Polyester N = Aramid fiber E = PEN K = Polyimide	e.g. A = identical ends AN = different see chart, combinations on request
A 05	N 051	A
Number of pins	Insulation length from 15-5000 mm Special lengths on request	Special designs on request, drawing required

TERMINATION STYLES

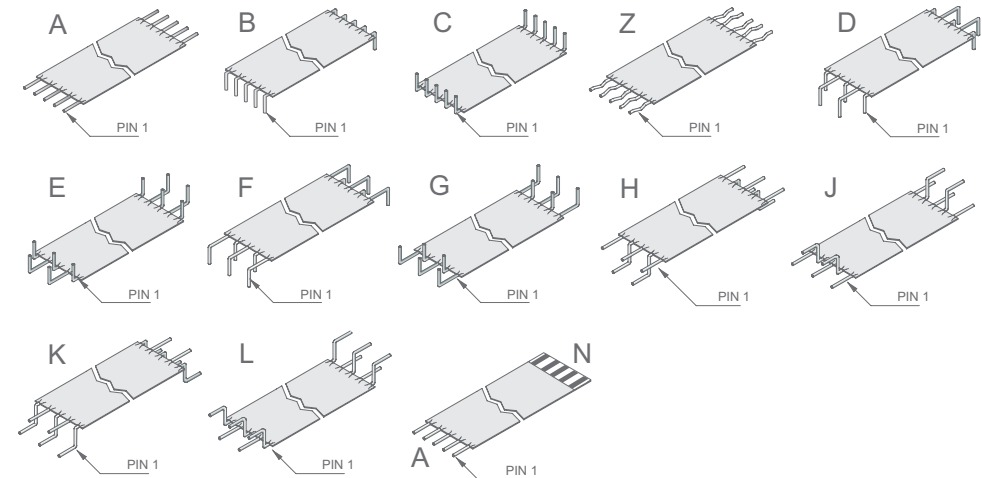


Fig.: The respective termination styles can be chosen separately for each side and can also be combined with PANTA FLL-, PANTA FIX CRIMP and PANTA ZIF-terminations.

Use the order key to configure your request online.

