

PANTA® ZIF JUMPER



Use the order key to configure your request online.



PANTA® ZIF JUMPERS (FFC-Cable) are used for connecting printed circuit boards (PCBs). Compatible with ZIF-connectors (Zero Insertion Force) or LIF-connectors (Low Insertion Force). The cable can be delivered with a gold plated surface to prevent whisker-growths.

BENEFITS

- Defined stripping of insulation and application of stiffener in the contact area provides secure connection to all conventional connection systems (e.g. Iriso, FCI, Molex, Tyco, JST etc.)
- Small dimensions due to thin foils and small pitches possible
- Fast assembly by simple insertion
- High flexibility and bending resistance
- Special versions available, e.g. LIF/ZIF
- pins can be combined with round solder pins
- (Panta® FIX) or SMD solderable flat conductors (Panta® FLL)
- Optional custom design of jumper mating area allows the use of specific connectors with additional features. Specific punch at jumper ends provides a strain relief functionality and connector position assurance (e.g. Iriso I-Lock or similar)

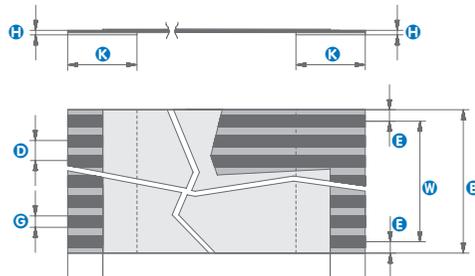
CHARACTERISTICS

- Available pitches 0,5; 1,0; 1,25 and 2,54 mm
- Temperature range -40°C ... 105°C
- Copper wire can be bladed with tin or gold
- Customer specific design for contact area and reinforcements

BENEFITS OF THE GOLD PLATING

- Low contact resistance
- Increased number of mating cycles
- Low current voltages
- Prevention of whisker effect for small centerlines
- Connection with NiAu-plated connectors

Please do not hesitate to ask for our processing instructions for PANTA® ZIF Jumper.



| | | | |
|---------------------------------|--|--|---|
| | Pitch e. g. E =1,00 mm see pitch code | Insulation material e. g. P = Polyester E = PEN K = Polyimide | Termination Style e. g. N = identical ends NW = different |
| ZIF – E 10 – P 100 – N – | | | |
| | Number of pins | Insulation length from 20-5000 mm Special lengths on request | Special designs on request, drawing required |

TECHNICAL DATA

| | | | | |
|--|----------------------------------|-------------------|-------------|-------------|
| D Order code | I | E | G | A |
| Pitch (mm) | 0,5 | 1,00 | 1,25 | 2,54 |
| A number of pins (n) | 6-50 | 4-30 | 4-30 | 24 |
| Insulation Length (mm) | 15-1000 | | | |
| E Margin (mm) | 0,5 | 1,0 | 1,25 | 2,54 |
| N Length of stripped insulation (mm), Nominal size (standard) | 3-5 (4) | 3-5 (5) | | |
| K Length of reinforcement (mm), nominal (standard) | 6-10 (8) | 6-10 (10) | | |
| Conductor material | Cu tin-plated - Optional Ni/AuCo | | | |
| G Wire dimension (mm) | 0,30 x 0,10/0,05 | 0,70 x 0,10/0,05* | 0,80 x 0,10 | 1,50 x 0,10 |
| Insulation | Polyester, PEN | | | |
| Reinforce insulation | Polyester | | | |
| B Total width (mm) | (Number of pins + 1) x Pitch | | | |
| W Pitch width (mm) | (Number of pins - 1) x Pitch | | | |
| H Total thickness of contact area (mm) | 0,3 | | | |
| Insulation resistance (Ω) (GRD-SIG-GRD) | >10° | | | |
| Current rating at 20°C (A) | 0,5 | 1,0 | 1,5 | 3,0 |
| Voltage rating (V _{DC}) | 60 | 200 | 200 | 300 |
| Operation temperature (°C) | -40 bis +105 | | | |

Customer specials on request.