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733520

SmartSKEDD™ direct connectors, pitch 2.5/5.0 mm



SmartSKEDD direct connector, insulation displacement technology (IDT), with keying pins, positioning spigot and locking on the printed circuit board  
contact pitch 2.5 mm

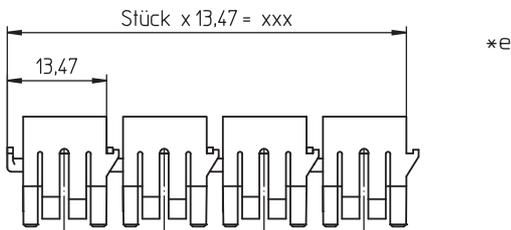
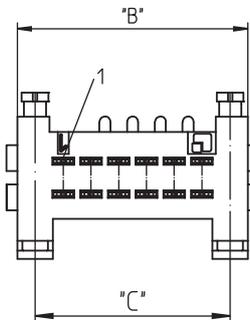
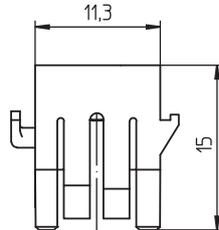
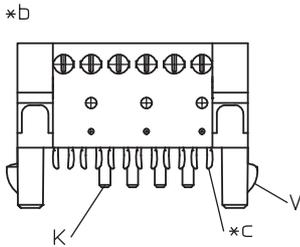
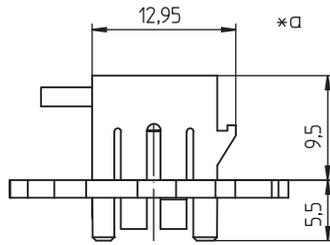
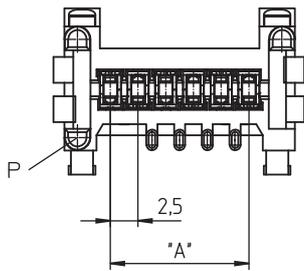
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Approvals:



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### Environmental conditions

Temperature range -40 °C/+130 °C<sup>1</sup>  
<sup>1</sup> upper limit temperature (insulating body) RTI (electrical) of the UL Yellow Card

### Materials

Insulating body PBT, V-0 nach UL94<sup>1</sup>  
 Contact spring CuSn, silver-plated  
<sup>1</sup> material halogen-free, GWFI 850 °C (0,40 mm), GWIT 775 °C (0,40 mm)

### Mechanical data

Mating with printed circuit board 1.6 ± 0.14 mm  
 Insertion force/contact ≤ 3 N  
 Withdrawal force/contact ≥ 3 N  
 Retaining force/locking ≥ 50 N

### Connectable conductors for IDT area

Construction discrete conductor, notched flat cable 2.5 mm  
 Section min. 0,22 mm<sup>2</sup>  
 Section max. 0,38 mm<sup>2</sup>  
 Insulation diameter ≤ 1.6 mm  
 Approved cables at [www.lumberg.com](http://www.lumberg.com) 

### Electrical data (at T<sub>amb</sub> 20 °C)

Contact resistance ≤ 5 mΩ  
 Rated current 4 A (T<sub>amb</sub> 85 °C)  
 Rated voltage 50 V AC<sup>1</sup>  
 Material group I (IEC)/0 (UL) (CTI ≥ 600)<sup>1</sup>  
 Creepage distance 0,60 mm  
 Clearance 0,60 mm  
 Insulation resistance > 1 GΩ

<sup>1</sup> according to IEC 60664/DIN EN 60664, CTI UL classification according to ANSI/UL 746A

### Associated products

Harnessing equipment  
 HA7335e  HA7335e-CA



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| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) | Dimensions |        |        |        |
|-------------|-------------|-------------|--------------|------------|--------|--------|--------|
|             |             |             |              | A (mm)     | B (mm) | C (mm) | D (mm) |
| 733520 03   | 3           | 1575        | 1575         | 5.0        | 13.3   | 10.1   | 10.95  |
| 733520 04   | 4           | 1260        | 1260         | 7.5        | 15.8   | 12.6   | 13.45  |
| 733520 05   | 5           | 1260        | 1260         | 10.0       | 18.3   | 15.1   | 15.95  |
| 733520 06   | 6           | 945         | 945          | 12.5       | 20.8   | 17.6   | 18.45  |
| 733520 07   | 7           | 945         | 945          | 15.0       | 23.3   | 20.1   | 20.95  |
| 733520 08   | 8           | 945         | 945          | 17.5       | 25.8   | 22.6   | 23.45  |
| 733520 09   | 9           | 630         | 630          | 20.0       | 28.3   | 25.1   | 25.95  |
| 733520 10   | 10          | 630         | 630          | 22.5       | 30.8   | 27.6   | 28.45  |
| 733520 11   | 11          | 630         | 630          | 25.0       | 33.3   | 30.1   | 30.95  |
| 733520 12   | 12          | 630         | 630          | 27.5       | 35.8   | 32.6   | 33.45  |
| 733520 13   | 13          | 630         | 630          | 30.0       | 38.3   | 35.1   | 35.95  |

**Packaging:**

chained, in a cardboard box