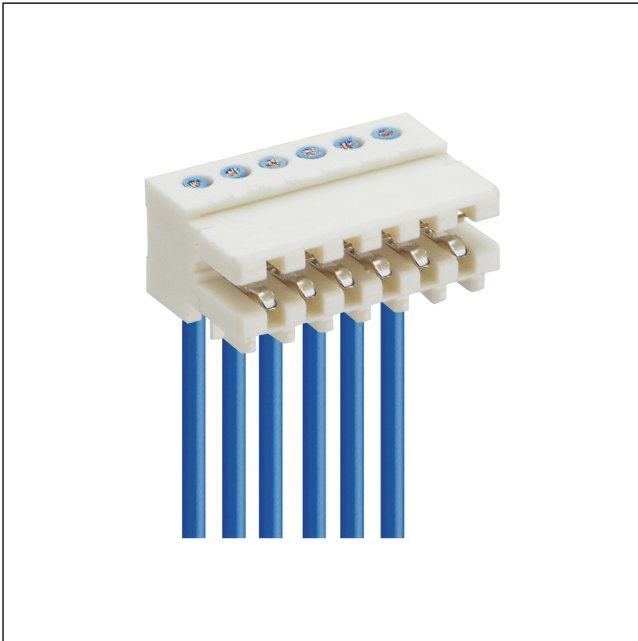


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RAST 2.5 connectors, pitch 2.5/5.0 mm



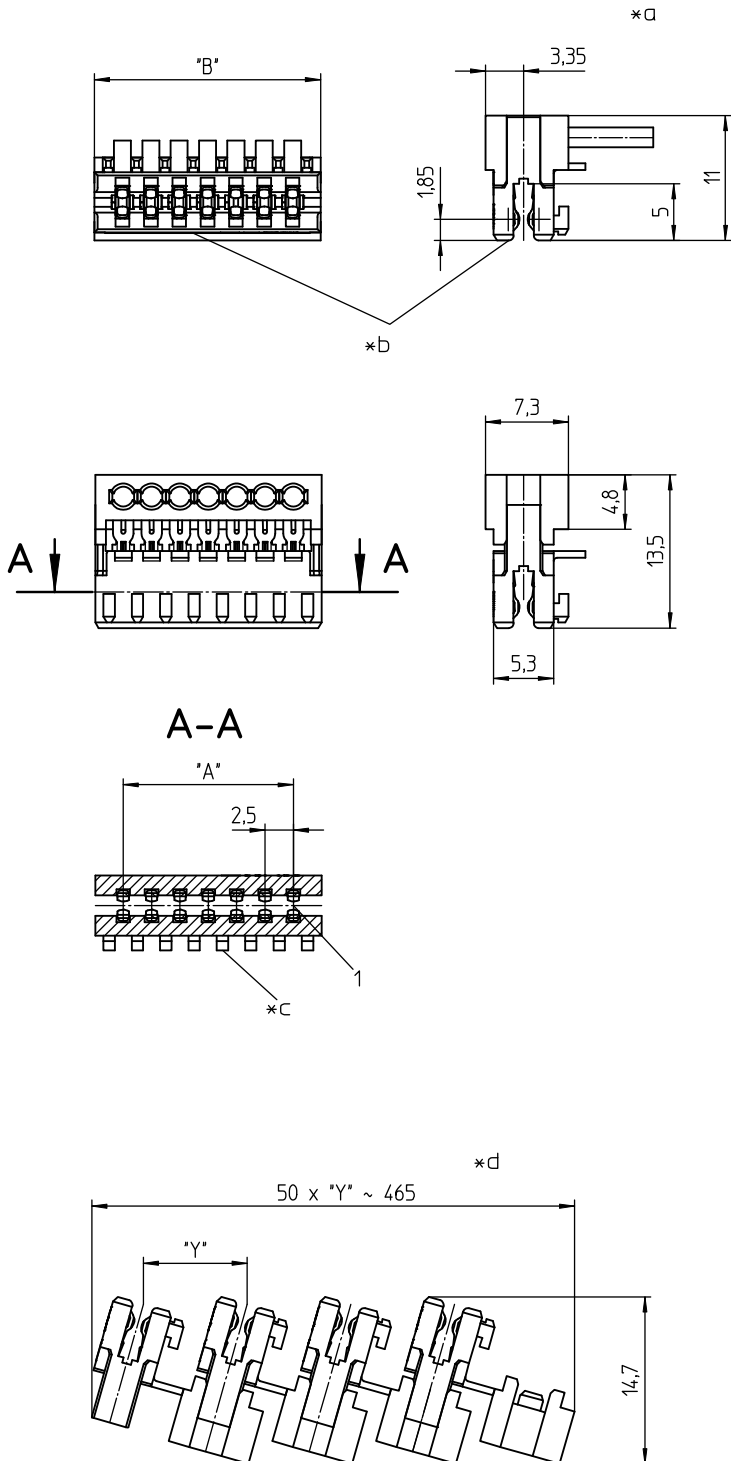
RAST 2.5 connector for direct and indirect mating,  
insulation displacement technology (IDT), for individual  
conductors, daisy chain possible  
contact pitch 2.5 mm

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 according to UL94 – 3521 (S...V...)  
PA, V-2 according to UL94 – 3521 M12(S...V...)<sup>1</sup>

Contact spring CuSn, tin-plated – 3521 (M...S...)  
CuSn, tin-plated (Sn/Ag), 2-9 poles – 3521 (M...S...)V03  
CuSn, pre-nickel and gold-plated – 3521 (M...S...)V102

<sup>1</sup> M12: component glow wire resistant (GWT 750 °C), testing acc. to IEC 60695-2-11, assessment acc. to IEC 60335-1 (flame < 2 s)

#### Mechanical data

Mating with printed circuit board 1.5 ± 0.14 mm  
Insertion force/contact ≤ 4,0 N  
Withdrawal force/contact ≥ 0,5 N  
Keying proposals at [www.lumberg.com](http://www.lumberg.com) 

#### Connectable conductors for IDT area

Construction discrete conductor, notched flat cable 2.5 mm  
Section min. 0,14 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> 60 °C)  
2 A (T<sub>amb</sub> 100 °C)  
Rated voltage 32 V AC  
Material group IIIa (IEC)/2 (UL) (CTI ≥ 250)  
Creepage distance 0,6 mm  
Clearance 0,6 mm  
Insulation resistance > 1 GΩ

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- \*a terminated connector
- \*b color marking:  
3521 (M...)S01 blue  
3521 (M...)S02 green  
3521 (M...)S03 brown
- \*c keying
- \*d chaining of the component parts (state of delivery)

#### Associated products

##### Counterparts

|                        |                        |                        |
|------------------------|------------------------|------------------------|
| <a href="#">3541</a>   | <a href="#">3541-1</a> | <a href="#">3545</a>   |
| <a href="#">3545-1</a> | <a href="#">3550</a>   | <a href="#">355095</a> |
| <a href="#">355099</a> | <a href="#">3554</a>   | <a href="#">83545</a>  |

##### Accessories

[3500](#)

##### Harnessing equipment

|                                  |                                     |                                 |
|----------------------------------|-------------------------------------|---------------------------------|
| <a href="#">HA35-CA</a>          | <a href="#">HA35e</a>               | <a href="#">HA35e-CA</a>        |
| <a href="#">HA35e-RK</a>         | <a href="#">HZ-M35</a>              | <a href="#">HZ35</a>            |
| <a href="#">HZ35-K</a>           | <a href="#">KHP35</a>               | <a href="#">VARICON 7000</a>    |
| <a href="#">VARICON 7000-Eco</a> | <a href="#">VARICON 7000-Eco-CR</a> | <a href="#">VARICON 7000-RD</a> |

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| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) | Dimensions |        |
|-------------|-------------|-------------|--------------|------------|--------|
|             |             |             |              | A (mm)     | B (mm) |
| 3521 02     | 2           | 4950        | 4950         | 2.5        | 7.4    |
| 3521 03     | 3           | 3600        | 3600         | 5.0        | 9.9    |
| 3521 04     | 4           | 2700        | 2700         | 7.5        | 12.4   |
| 3521 05     | 5           | 2250        | 2250         | 10.0       | 14.9   |
| 3521 06     | 6           | 1800        | 3600         | 12.5       | 17.4   |
| 3521 07     | 7           | 1800        | 3600         | 15.0       | 19.9   |
| 3521 08     | 8           | 1350        | 2700         | 17.5       | 22.4   |
| 3521 09     | 9           | 1350        | 2700         | 20.0       | 24.9   |
| 3521 10     | 10          | 1350        | 2700         | 22.5       | 27.4   |
| 3521 11     | 11          | 900         | 2700         | 25.0       | 29.9   |
| 3521 12     | 12          | 900         | 2700         | 27.5       | 32.4   |
| 3521 13     | 13          | 900         | 2700         | 30.0       | 34.9   |
| 3521 14     | 14          | 900         | 2700         | 32.5       | 37.4   |
| 3521 15     | 15          | 900         | 2700         | 35.0       | 39.9   |
| 3521 16     | 16          | 450         | 2700         | 37.5       | 42.4   |
| 3521 17     | 17          | 450         | 2700         | 40.0       | 44.9   |
| 3521 18     | 18          | 450         | 2700         | 42.5       | 47.4   |
| 3521 19     | 19          | 450         | 2700         | 45.0       | 49.9   |
| 3521 20     | 20          | 450         | 2700         | 47.5       | 52.4   |

Designation to be completed by further details (e.g. for keying, color or material options).

**Packaging:**

chained, in a cardboard box