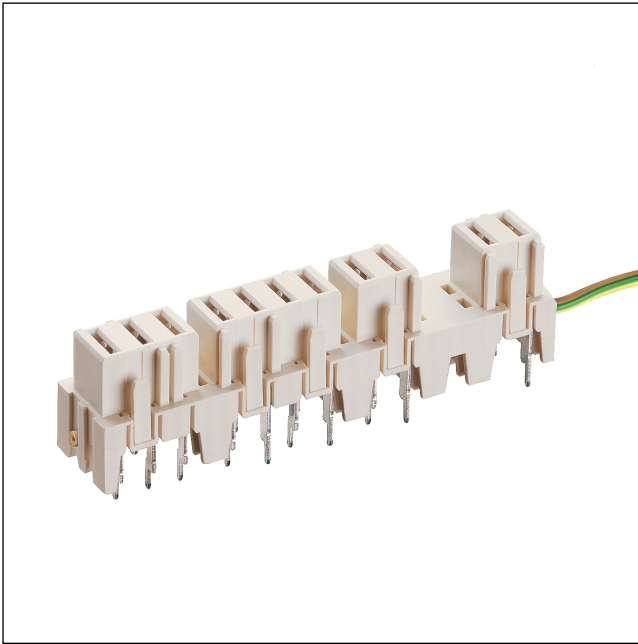


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RAST 5 connectors, pitch 5.0 mm



RAST 5 socket board, upright, free to configure with partitions, positioning spigot and neutral and/or protective conductor bridge in insulation displacement technology (IDT)

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State: Active

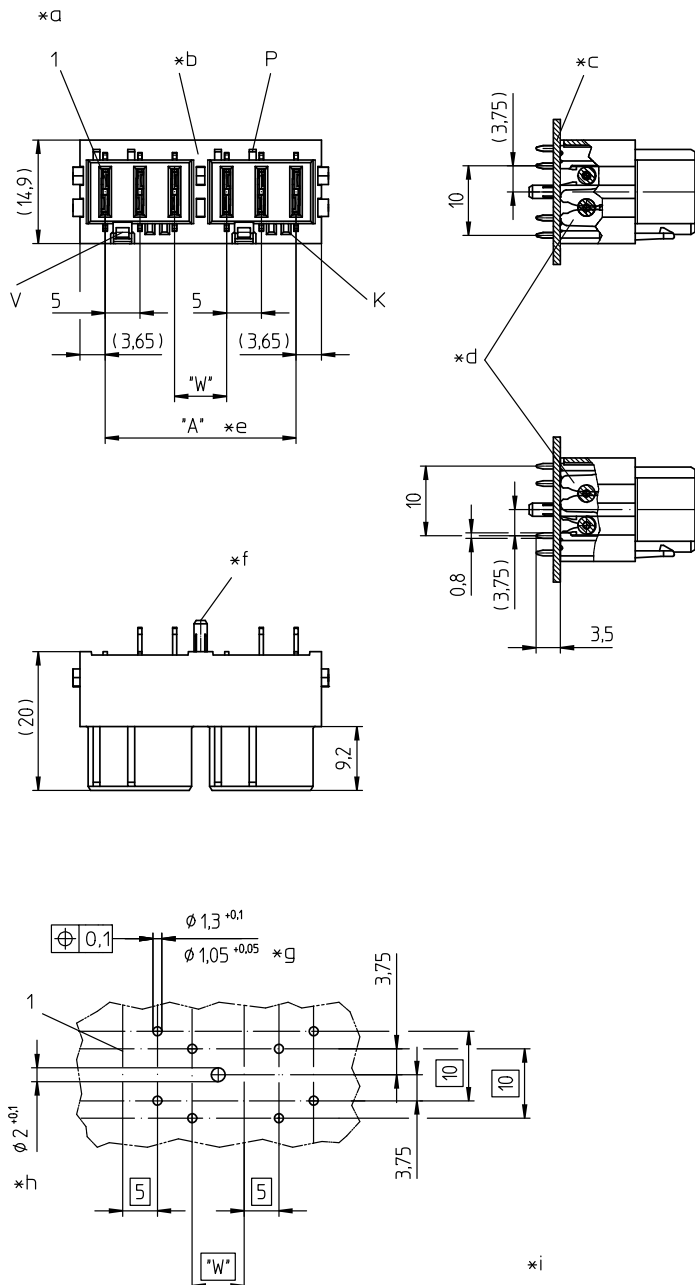
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Approvals:



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## Environmental conditions

Temperature range -40 °C/+120 °C<sup>1</sup>

<sup>1</sup> upper limit temperature (insulating body) RTI (electric) according to UL Yellow Card

## Materials

Insulating body PA GF, V-0 according to UL94<sup>1</sup>  
Contact spring CuSn, tin-plated

<sup>1</sup> 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

Bridge conductor stranded wire LiY 0.75 mm<sup>2</sup> according to H05V-K  
Insertion force/contact ≤ 4,0 N  
Withdrawal force/contact ≥ 1,0 N

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

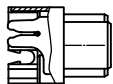
Contact resistance ≤ 5 mΩ  
Rated current 10 A (T<sub>u</sub> 70 °C)  
Rated voltage 250 V AC  
Material group IIIa (IEC)/2 (UL) (CTI ≥ 250)  
Creepage distance 4,2 mm  
Clearance 4,2 mm  
Insulation resistance > 10 GΩ

## Associated products

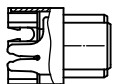
### Counterparts

|            |            |            |
|------------|------------|------------|
| ☞ 3618     | ☞ 3618-1   | ☞ 3618-2   |
| ☞ 3618-3   | ☞ 361899   | ☞ 361899-1 |
| ☞ 361899-2 | ☞ 361899-3 | ☞ 3647     |

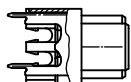
## types of contacts



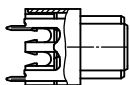
a



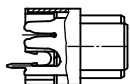
b



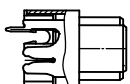
c



d



e



f

- \*a K = keying  
P = positioning  
V = lock
- \*b partition, space for frames of counterparts
- \*c printed circuit board
- \*d insulation displacement contacts with neutral/protective conductor bridges
- \*e  $A = (P - 1) \times 5 + (W - 5) \times Y$ , max. 135 mm with one-piece insulating body  
P = poles  
W = 7.5 mm/12.5 mm/15.0 mm  
Y = number of partitions (at least 1 partition every 12 contacts)
- \*f positioning spigot (optional)
- \*g bore hole diameter 1.05 mm for press-fit of solder pins in printed circuit board
- \*h bore hole diameter 2.0 mm for press-fit of positioning spigot in printed circuit board
- \*i example for printed circuit board layout, solder side view

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| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) |
|-------------|-------------|-------------|--------------|
| 3686 02     | 2           |             | 200          |
| 3686 03     | 3           |             | 200          |
| 3686 04     | 4           |             | 200          |
| 3686 05     | 5           |             | 200          |
| 3686 06     | 6           |             | 200          |
| 3686 07     | 7           |             | 200          |
| 3686 08     | 8           |             | 200          |
| 3686 09     | 9           |             | 200          |
| 3686 10     | 10          |             | 200          |
| 3686 11     | 11          |             | 200          |
| 3686 12     | 12          |             | 200          |
| 3686 13     | 13          |             | 200          |
| 3686 14     | 14          |             | 200          |
| 3686 15     | 15          |             | 200          |
| 3686 16     | 16          |             | 200          |
| 3686 17     | 17          |             | 200          |
| 3686 18     | 18          |             | 200          |
| 3686 19     | 19          |             | 200          |
| 3686 20     | 20          |             | 200          |
| 3686 21     | 21          |             | 200          |
| 3686 22     | 22          |             | 200          |
| 3686 23     | 23          |             | 200          |
| 3686 24     | 24          |             | 200          |
| 3686 25     | 25          |             | 200          |
| 3686 26     | 26          |             | 200          |

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

**Packaging:**  
in a cardboard box