

# MC 1,5/ 3-G-3,5 THT - PCB header

1937509

<https://www.phoenixcontact.com/pc/products/1937509>



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PCB headers, color: black, contact surface: Tin, number of positions: 3, product range: MC 1,5/..-G-THT, pitch: 3.5 mm, pin layout: Linear pinning, solder pin [P]: 3.4 mm, type of packaging: packed in cardboard, For user information and design recommendations for through-hole reflow technology, go to: Downloads

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1937509                        |
| Packing unit                         | 50 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | AAB1GJ                         |
| Catalog page                         | Page 196 (CC-2011)             |
| GTIN                                 | 4017918890193                  |
| Weight per piece (including packing) | 2.097 g                        |
| Weight per piece (excluding packing) | 1.006 g                        |
| Customs tariff number                | 85366930                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                     |                                            |
|---------------------|--------------------------------------------|
| Product type        | PCB headers                                |
| Product family      | MC 1,5/...-G-THT                           |
| Type                | Component suitable for through hole reflow |
| Number of positions | 3                                          |
| Pitch               | 3.5 mm                                     |
| Mounting flange     | without                                    |
| Pin layout          | Linear pinning                             |

### Electrical properties

|                             |                    |
|-----------------------------|--------------------|
| Maximum load current        | 8 A (per position) |
| Rated voltage (II/2)        | 250 V              |
| Rated voltage (III/2)       | 160 V              |
| Rated surge voltage (II/2)  | 2.5 kV             |
| Rated surge voltage (III/2) | 2.5 kV             |
| Rated surge voltage (III/3) | 2.5 kV             |

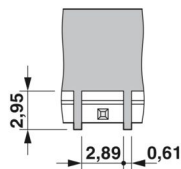
### Mounting

|               |                |
|---------------|----------------|
| Mounting type | THR soldering  |
| Pin layout    | Linear pinning |

### Material specifications

|                                        |        |
|----------------------------------------|--------|
| Color                                  | black  |
| Flammability rating according to UL 94 | V0     |
| Insulating material group              | IIIa   |
| Insulating material                    | PA-GF  |
| Contact surface                        | Tin Sn |
| Contact surface material               | Sn     |

### Dimensions

|                          |                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing      |  |
| Width                    | 11.9 mm                                                                              |
| Installed height         | 7.25 mm                                                                              |
| Height                   | 10.65 mm                                                                             |
| Length of the solder pin | 3.4 mm                                                                               |
| Length                   | 9.2 mm                                                                               |
| Length of the solder pin | 3.4 mm                                                                               |

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|               |        |
|---------------|--------|
| Hole diameter | 1.4 mm |
| Pitch         | 3.5 mm |

## Packaging specifications

|                      |                     |
|----------------------|---------------------|
| Type of packaging    | packed in cardboard |
| Outer packaging type | Dry bag             |

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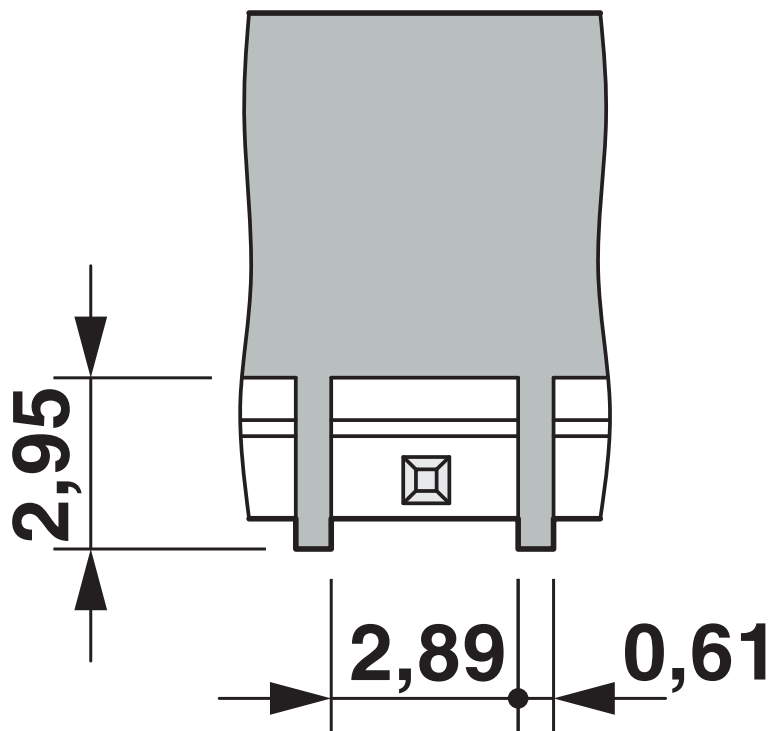
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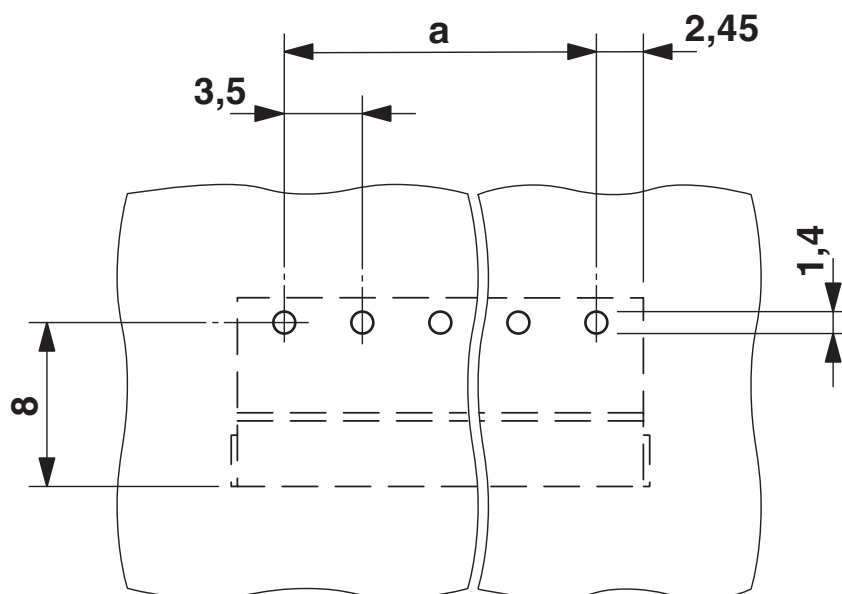
## Drawings

Dimensional drawing



Bottom view, free space for solder paste, 0.3 mm deep

Drilling plan/solder pad geometry



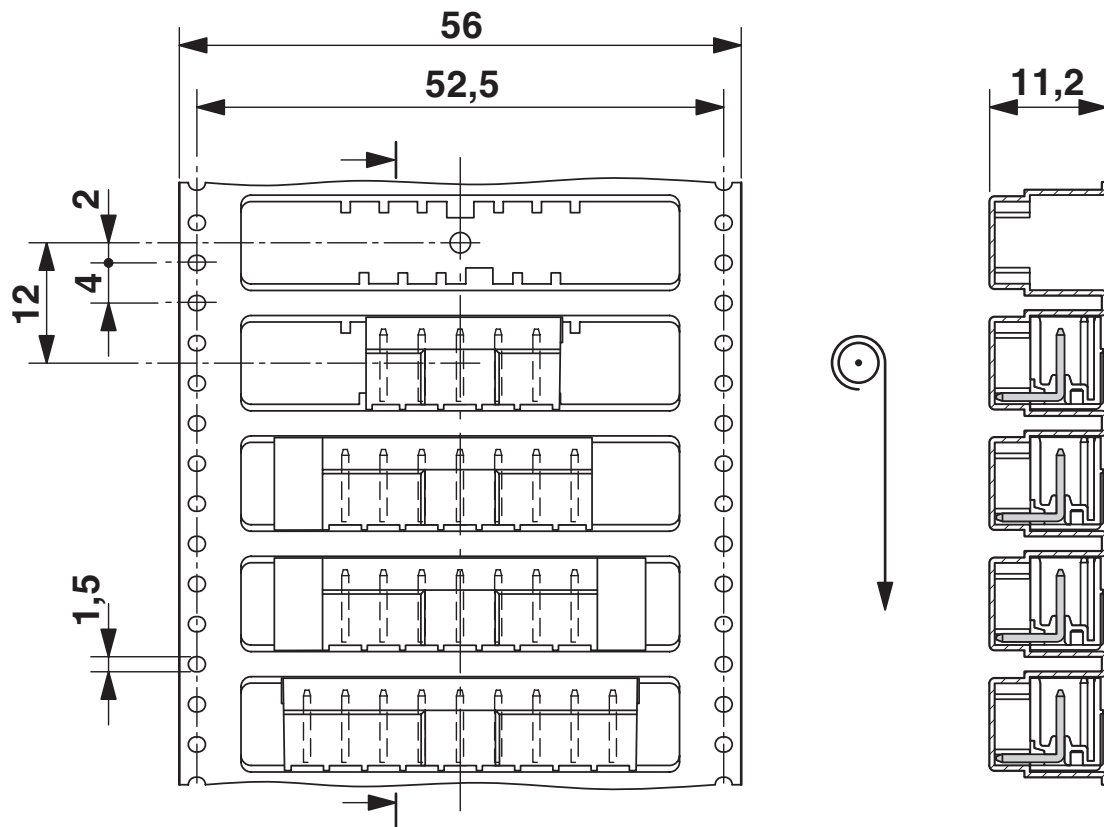
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Dimensional drawing



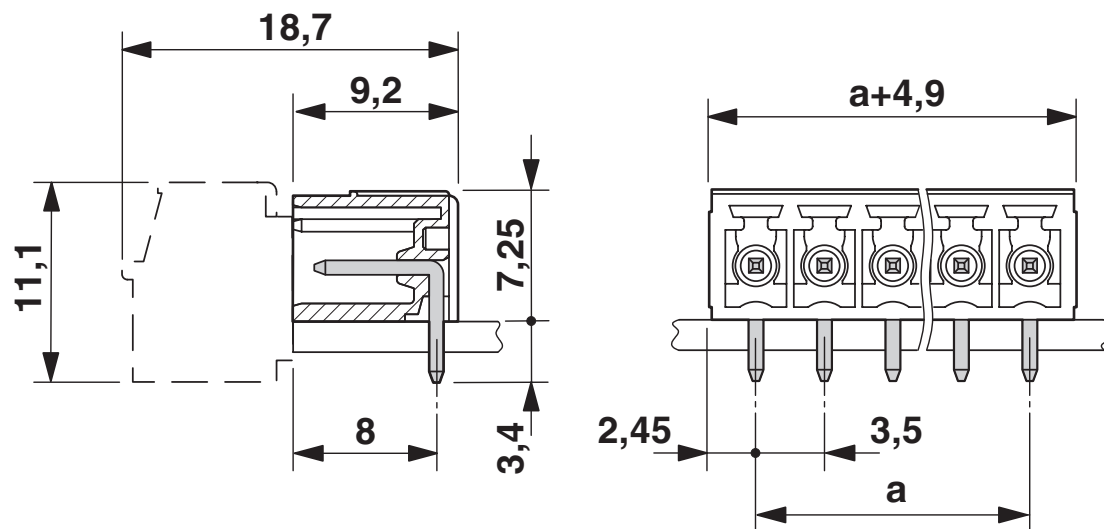
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Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1937509>

|  <b>cULus Recognized</b><br>Approval ID: E60425-20110128 |                       |                       |                   |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                           | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                                               |                       |                       |                   |                             |
|                                                                                                                                           | 300 V                 | 8 A                   | -                 | -                           |
| Use group D                                                                                                                               |                       |                       |                   |                             |
|                                                                                                                                           | 300 V                 | 8 A                   | -                 | -                           |

|  <b>VDE Zeichengenehmigung</b><br>Approval ID: 40011723 |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                          | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                          | 160 V                 | 8 A                   | -                 | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27460201 |
|-------------|----------|

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## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

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