

# Product Data Sheet

DIN 41612 straight Male, type R/2,  
Part No. 115-90015

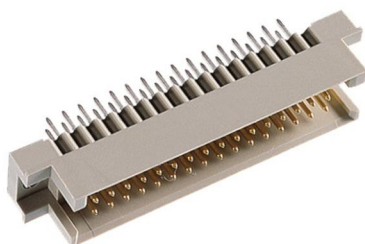
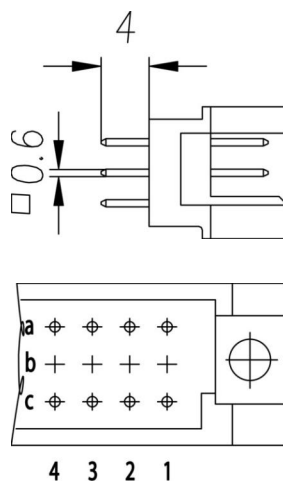


Illustration similar



Parallel



Perpendicular



Through Hole



Rugged

- tail length 4 mm
- number of positions: 32
- solder termination
- performance level 2



» to product on [www.ept.de](http://www.ept.de)



» to product group DIN 41612

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## Technical Specifications

### Basics

|                             |                         |
|-----------------------------|-------------------------|
| Specification               | IEC 60603-2 (DIN 41612) |
| Performance Level           | 2                       |
| No. of Contacts             | 32                      |
| Termination Technology      | solder termination      |
| Termination Length          | 4 mm                    |
| Board-to-Board Distance     | 16.85 mm                |
| Operating Temperature Range | -55°C to +125°C         |

### Material

|                               |                                       |
|-------------------------------|---------------------------------------|
| Insulator Material            | glass-fiber reinforced PBT, UL 94 V-0 |
| CTI value<br><i>IEC 60112</i> | 200                                   |
| Contact Material              | copper alloy                          |

### Mechanical

|                          |                   |
|--------------------------|-------------------|
| Pitch                    | 2.54 mm           |
| Mating Force             | 30 N              |
| Separating Force per Pin | > 0.15 N          |
| Durability               | 400 mating cycles |

### Electrical

|                        |                      |
|------------------------|----------------------|
| Operational Current    | 2.6 A                |
| Test Voltage           | 1000 V               |
| Contact Resistance     | 20 mΩ                |
| Clearance and Creepage | ≥ 1.2 mm             |
| Insulation Resistance  | > 10 <sup>6</sup> MΩ |

### Processing

|                       |             |
|-----------------------|-------------|
| Soldering Temperature | up to 260°C |
|-----------------------|-------------|

### Approval / Compliance

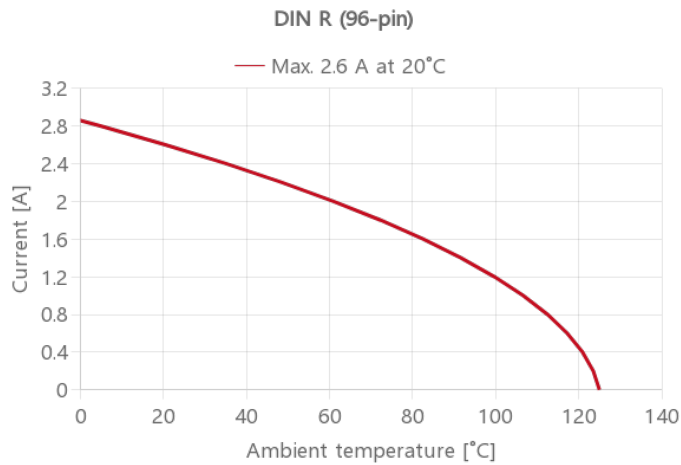
|             |                |
|-------------|----------------|
| UL file     | E130314        |
| Environment | RoHS compliant |

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## Derating Diagram



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## Options

### Board Lock

Suitable for connectors with type B, C, D, E, F low profile, G low profile, M female connectors and R male connectors



|                   | Forces |                    |                | Part Number | PCB Thickness |
|-------------------|--------|--------------------|----------------|-------------|---------------|
| Type of Insertion | $F_m$  | not soldered $F_h$ | soldered $F_h$ | 115-90015C1 | 1.6 mm        |
| Locked            | < 20 N | > 10 N             | > 25 N         | 115-90015C2 | 2.4 mm        |
| Under Tension     | < 20 N | > 5 N              | > 25 N         | 115-90015C3 | 3.6 mm        |

## Modifications

Available on request

- First mate, last-mate contacts
- without mounting flange
- Custom length
- Grade I + III or custom
- custom loading

## Drawings

Component data in 2D and 3D format you can download here:

» PDF

» 3D IGES

» 3D STEP

» 3D PDF