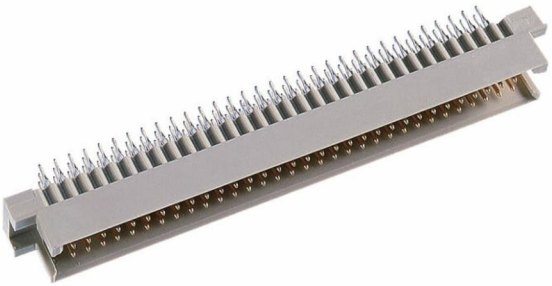
# Product Data Sheet

## DIN 41612 straight Male, type R, Part No. 115-40066



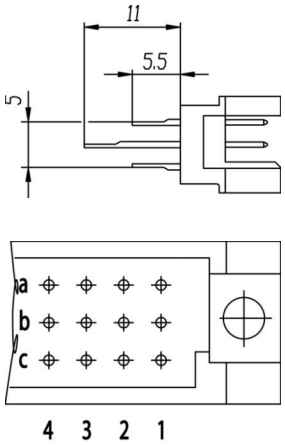



Illustration similar

Parallel | Perpendicular | Through Hole | Rugged

- tail length 5.5/11 mm
- number of positions: 96
- hand soldering
- performance level 2

» to product on www.ept.de

» to product group DIN 41612



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## DIN 41612 straight Male, type R, Part No. 115-40066

## Technical Specifications

### Basics

| | |
|---|---|
| Specification | IEC 60603-2 (DIN 41612) |
| Performance Level | 2 |
| No. of Contacts | 96 |
| Termination Technology | solder termination |
| Termination Length | 5.5 mm / 11 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>*IEC 60112* | 200 |
| Contact Material | copper alloy |

### Mechanical

| | |
|---|---|
| Pitch | 2.54 mm |
| Mating Force | 90 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 | $>10^6$ MΩ |

### Processing

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

### Approval / Compliance

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



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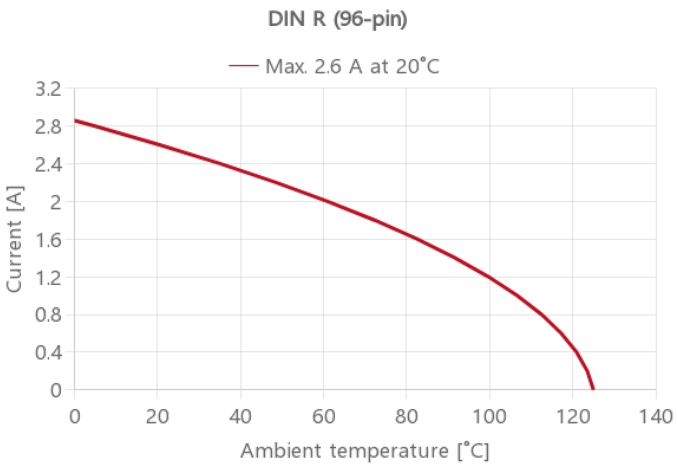
### Derating Diagram



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### 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



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