

Product Data Sheet

DIN 41612 Male straight, type R,
Part No. 115-40046TH

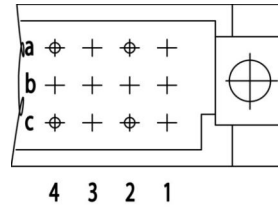
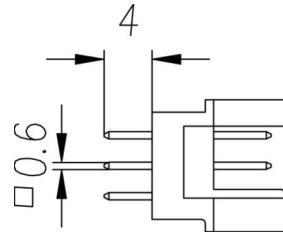
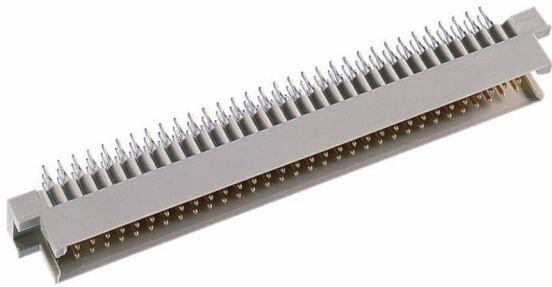


Illustration similar



Parallel



Perpendicular



Through Hole



Rugged

- Termination length 4 mm
- 32 contacts
- THTR
- performance level 2



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» 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 | THTR |
| Termination Length | 4 mm |
| Board-to-Board Distance | 16.85 mm |
| Operating Temperature Range | -55°C to +125°C |

Material

| | |
|-------------------------------|---------------------------|
| Insulator Material | PA glass filled UL 94 V-0 |
| CTI value <i>IEC 60112</i> | 600 |
| 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 |
| Contact Resistance | < 20 mΩ |
| Clearance and Creepage | ≥ 3.0 mm |
| Insulation Resistance | > 10 ⁶ MΩ |
| Test Voltage | 1000 V |

Processing

| | |
|-----------------------|---------------------|
| Soldering Temperature | 260°C per J-STD-020 |
| MSL | 1 |

Approval / Compliance

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

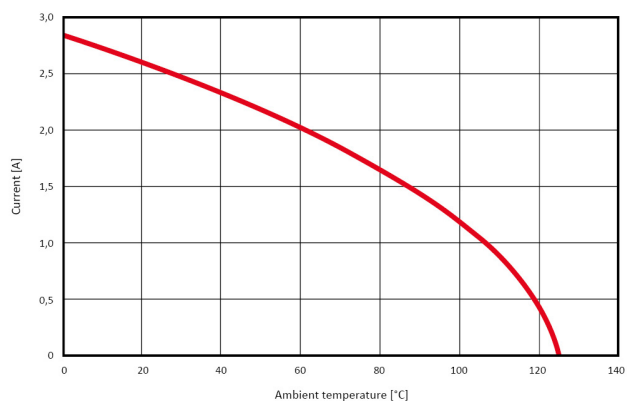
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Derating Diagram

Current carrying capacity DIN R (96 pins)
max. 2.6A at 20°C



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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



| Type of Insertion | Forces | | | Part Number | PCB Thickness |
|-------------------|--------|--------------------|----------------|---------------|---------------|
| | F_m | not soldered F_h | soldered F_h | | |
| Locked | < 20 N | > 10 N | > 25 N | 115-40046THC1 | 1.6 mm |
| Under Tension | < 20 N | > 5 N | > 25 N | 115-40046THC2 | 2.4 mm |
| | | | | 115-40046THC3 | 3.6 mm |

Modifications

Available on request

- Pre-mating and late-mating contacts
- Without flange
- Special contact length
- Performance levels I + III or customer-specific
- Contact arrangement

Drawings

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

» [PDF](#)