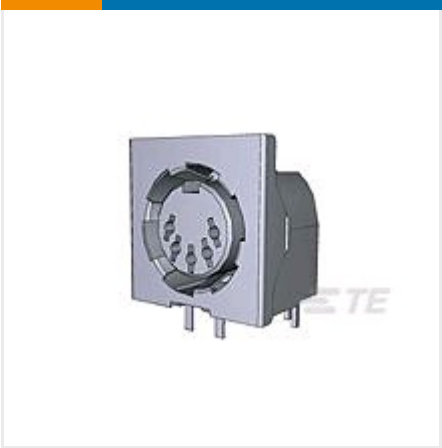




+ CONNECTORS

CIRCULAR DIN CONNECTORS



✓ Active

TE CONNECTIVITY (TE)  
5 CIRC DIN RCPT GRND SHLD

[Circular Din](#) | [Circular DIN](#)

5212044-1  
TE Internal Number: 5212044-1

- EU RoHS Compliant
- EU ELV Compliant
- Connector Style Receptacle
- Connector System Wire-to-Board
- Number of Positions 5
- Selectively Loaded Yes
- Mating Alignment With

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

DOCUMENTATION

Product Drawings

**RECEPTACLE ASSEMBLY, 90 DEGREE PCB, 5 POSITION, W/SHIELDING, CIRCULAR DIN**  
PDF  
English

CAD Files

**3D PDF**  
PDF  
3D

**Customer View Model**  
2D\_DXF.ZIP  
English

Customer View Model

3D\_IGS.ZIP

English

Customer View Model

3D\_STP.ZIP

English

Product Specifications

Application Specification

Circular DIN Standard And Shielded Connectors And Contacts

PDF

English

Product Specification

Circular DIN Connector

PDF

English

Qualification Test Report

AMP Circular Din Connector

TIF

English

AMP Circular Din Connector

PDF

English

Product Environmental Compliance

TE Material Declaration

MD\_5212044-1\_04092014615\_dmtec

PDF

English

Agency Approvals

Agency Approval Document

CIRCULAR DIN REPORT

PDF

English

CSA Certificate

CIRCULAR DIN SERIES CONNECTOR REPORT

PDF

English

FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

Product Type Features

**Connector Style**   Receptacle  
**Connector System**   Wire-to-Board  
**PCB Mounting Orientation**   Right Angle  
**Sealable**   No  
**Connector & Contact Terminates To**   Printed Circuit Board  
**Product Type**   Connector  
**Wire/Cable Type**   Discrete Wire  
**ESD Protection**   Without  
**Strain Relief**   With  
**Shielded**   Yes  
**Shape**   Circular  
**Connector Type**   Header  
**Insulated**   No

Configuration Features

**Number of Positions**   5  
**Selectively Loaded**   Yes  
**Tail Orientation**   Staggered

Electrical Characteristics

**Hot Pluggable**   No  
**Operating Voltage (VAC)**   250

Body Features

**Shield Underplate Thickness**   1.27 μm [ 50 μin ]  
**Shield Material**   Brass  
**Shield Plating Thickness**   2.54 μm [ 100 μin ]  
**Shield Underplate Material**   Nickel  
**Shield Plating Material**   Tin/Nickel

Contact Features

**Reverse Gender**   No  
**Contact Current Rating (Max) (A)**   7.5  
**Contact Termination Area Plating Thickness**   2.54 μm [ 100 μin ]  
**Contact Mating Area Plating Material**   Tin over Nickel  
**Contact Mating Area Plating Thickness**   2.54 μm [ 100 μin ]  
**Contact Transmits (Typical)**   Power, Signal (Data), Signal (Data)/Power  
**Contact Type**   Socket  
**Contact Base Material**   Brass  
**Contact Termination Area Plating Material**   Tin  
**Contact Design**   Tuning Fork

Mechanical Attachment

**Panel Mount Retention**   Without  
**PCB Mount Alignment**   With  
**PCB Mount Alignment Type**   Solder Tail Layout  
**Mating Alignment**   With  
**Mating Alignment Type**   Keyed  
**PCB Mount Retention**   With  
**PCB Mount Retention Type**   Kinked Legs  
**PCB Mounting Style**   Through Hole - Solder  
**Mating Retention**   Without

Housing Features

**Housing Material**   Nylon  
**Housing Color**   Black

Dimensions

**PCB Thickness (Recommended) (mm)**   2.36  
**Height**   20.83 mm [ .82 in ]  
**Length**   21.84 mm [ .86 in ]  
**Tail Length**   3.56 mm [ .14 in ]  
**Width**   15.49 mm [ .61 in ]

Usage Conditions

**Operating Temperature Range**   -55 – 105 °C [ -67 – 221 °F ]

Industry Standards

**UL Flammability Rating**   UL 94V-0  
**UL File Number**   E28476  
**UL Rating**   Recognized  
**Agency/Standard**   CSA, UL  
**VDE Tested**   No  
**CSA File Number**   LR 3507

Packaging Features

**Packaging Quantity**   100  
**Packaging Method**   Gang of Tubes

Other

**Comment**   For applications requiring a 3-position connector, use a 5-position connector (contact positions 4 and 5 not used).

PRODUCT COMPLIANCE



Statement of Compliance

**Statement of Compliance**  
PDF