

5750071-1 ✓ ACTIVE

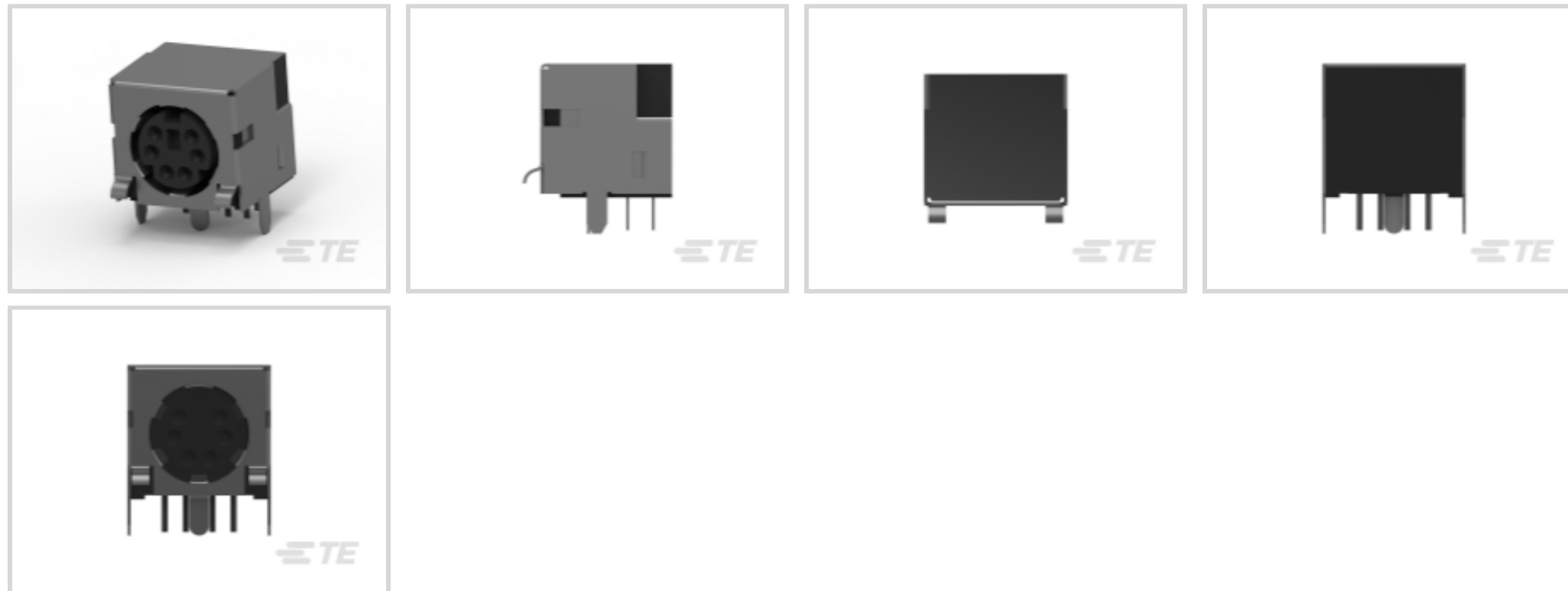
TE Internal #: 5750071-1

DIN Connectors, Mini DIN, Receptacle, Wire-to-Board, 6 Position, Fully Loaded, Mating Alignment, Polarization Mating Alignment Type, Right Angle

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Connectors > Circular Connectors > DIN Connectors



Circular DIN Connector Type: **Mini DIN**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Number of Positions: **6**

Connector Contact Load Condition: **Fully Loaded**

## Features

### Product Type Features

ESD Protection	Without
Circular DIN Connector Type	Mini DIN
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	Yes
Connector Type	Header
Shape	Circular
Product Type	Connector

### Configuration Features

Stacked	No
Number of Positions	6
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle



### Electrical Characteristics

Operating Voltage	30 VAC
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### Body Features

Outer Shield Material	Brass
Panel Grounding	With
Panel Ground Feature Type	Grounding Fingers
Shield Plating Thickness	1.5 $\mu\text{m}$ [59 $\mu\text{in}$ ]
Outer Shield Plating Material	Tin
Front Panel Screw-Down	Without
Shield Plating Finish	Bright
Shield Material	Copper Alloy
Shield Plating Material	Tin over Nickel

### Contact Features

Contact Layout	Staggered
PCB Termination Area Plating Finish	Matte
Contact Underplating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A
Contact Design	Tuning Fork
Contact Type	Socket
Contact Termination Area Plating Thickness	3.05 $\mu\text{m}$ , 4.02 $\mu\text{m}$ [120 $\mu\text{in}$ ][170 $\mu\text{in}$ ]
Contact Termination Area Plating Material	Tin
Contact Transmits (Typical)	Signal (Data)
Contact Mating Area Plating Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Contact Mating Area Plating Material	Gold

### Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

PCB Mount Alignment Type	Hold-Down
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PCB Mount Alignment	With
Panel Mount Feature	With
Panel Mount Feature Type	Screw Nut
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Retention Type	Hold-Down Post
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	6.5 mm[.26 in]
Housing Color	Black
Housing Material	Thermoplastic

### Dimensions

Width	14 mm[.55 in]
PCB Tail Length	3.18 mm[.1 in]
Length	16.51 mm[.65 in]
Tail Length	3.18 mm[.125 in]
PCB Thickness (Recommended)	2.68 mm[.11 in]
Height	12.83 mm[.5 in]

### Usage Conditions

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

### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Rating	Recognized
VDE Tested	No
Agency/Standard	CSA, UL
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	37
Packaging Method	Tube

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



## Documents

### Product Drawings

Mini DIN, 6 pos, R/A, Shield

English



### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5750071-1\\_O\\_c-5750071-1-o.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5750071-1\\_O\\_c-5750071-1-o.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5750071-1\\_O\\_c-5750071-1-o.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

[MD\\_5750071-1\\_050420112241](#)

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