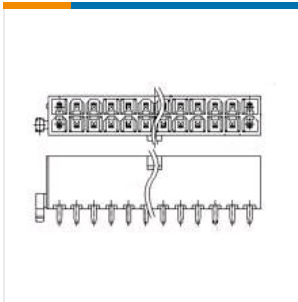




# STANDARD RECTANGULAR CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## ATX PWR CONN 1 BDLK 24 POS

AMPMODU | AT

1-1775099-3

TE Internal Number: 1-1775099-3

Always EU RoHS/ELV Compliant

Product Type **Connector**

Mating Alignment **With**

Mating Alignment Type **Keyed**

Mating Retention **With**

Mating Retention Type **Latch**

### Product Drawings

[ATX POWER CONNECTOR VERTICAL, DIP.](#)

PDF  
English

### CAD Files

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
3D

### Product Specifications

Product Specification

[ATX Power Connector](#)

PDF  
English

Qualification Test Report

[ATX Power Connector](#)

PDF  
English

[ATX Power Connector](#)

TIF  
English

[ATX 4.2 Pitch POWER CONNECTOR](#)

PDF  
Japanese

### Product Environmental Compliance

TE Material Declaration

[MD\\_1-1775099-3\\_111320131127\\_dmtec](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	Product Type	<b>Connector</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Row-to-Row Spacing (mm)	<b>4.2</b>
	Connector Style	<b>Receptacle</b>
	Prewired	<b>No</b>
	Shrouded	<b>Yes</b>
	Connector Type	<b>Connector Assembly</b>
	Applies To	<b>Printed Circuit Board</b>

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Configuration Features	Number of Positions	<b>24</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>
	Number of Signal Positions	<b>0</b>
	Number of Power Positions	<b>24</b>
	Positions Unloaded	<b>None</b>
	Number of Boardlocks	<b>1 Left</b>

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Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
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Contact Features	Contact Plating Material	<b>Tin</b>
	Contact Current Rating (A)	<b>9</b>
	Contact Type	<b>Socket</b>
	Tail Plating Thickness (µm)	<b>3.05</b>
	Tail Plating Material	<b>Tin over Nickel</b>

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Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post Length (mm)	<b>5.7</b>

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Mechanical Attachment	Mating Alignment	<b>With</b>
	Mating Alignment Type	<b>Keyed</b>
	Mating Retention	<b>With</b>
	Mating Retention Type	<b>Latch</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Boardlocks</b>

	PCB Mount Retention Type	<b>Ball Locks</b>
	Contact Retention	<b>With</b>
	Flange	<b>Without</b>
	PCB Mount Alignment	<b>With</b>
Housing Features	Centerline (mm)	<b>4.2</b>
	Housing Material	<b>PA 9T</b>
	Housing Color	<b>Ivory</b>
Dimensions	PCB Thickness (Recommended) (mm)	<b>1.6</b>
	Tail Length (mm)	<b>3.2</b>
	Width (mm)	<b>9.6</b>
	Length (mm)	<b>51.5</b>
	Height (mm)	<b>12.8</b>
Usage Conditions	Operating Temperature Range (°C)	<b>-25 – 85</b>
	High Temperature Header	<b>No</b>
Operation/Application	Assembly Integration Feature	<b>With</b>
Identification Marking	Circuit Identification Feature	<b>Without</b>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
	Agency/Standard	<b>UL</b>
Packaging Features	Packaging Quantity	<b>80</b>
	Packaging Method	<b>Tray, Tray/Box</b>
Product Compliance	<a href="#">Statement of Compliance</a> PDF <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	