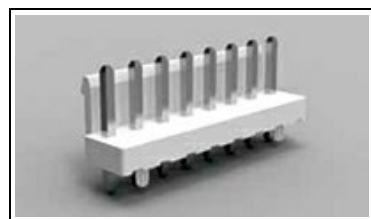




1744057-4 Product Details

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1744057-4

TE Internal Number: 1744057-4

Active

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Economy Power Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Economy Power Product Line, Economy Power II Product Line
- Connector
- Wire-to-Board
- Applies To Printed Circuit Board
- 4 Positions

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [HEADER ASSEMBLY-ECONOMY POWER VERTICAL, W/RETENTION PEGS \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- [7-1773458-5_ECONOMY_POWER_QRG \(PDF, English\)](#)

Product Specifications:

- [EP II Connector System \(PDF, English\)](#)
- [Economy Power \(EP\) Connector \(PDF, Japanese\)](#)

Application Specifications:

- [Economy Power \(EP\)-II Contacts and Receptacle Housings \(PDF, English\)](#)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing \(DXF, Version C\)](#)
- [3D Model \(IGES, Version C\)](#)
- [3D Model \(STEP, Version C\)](#)

Related Products:

- [Tooling](#)
- [Headers \(1\)](#)

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Line = Economy Power, Economy Power II
- Product Type = Connector
- Connector Type = Header
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = With
- PCB Mount Alignment = Without
- Sealed = No

Mechanical Attachment:

- Mating Retention Type = Latching

Electrical Characteristics:

- Contact - Rated Current (A) = 7.5
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 250

Termination Features:

- Termination Method to PC Board = Through Hole - Solder

Dimensions:

- PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]
- Tail Length (mm [in]) = 3.7 [0.146]
- Length (X-Axis) (mm [in]) = 15.78 [0.621]
- Width (Z-Axis) (mm [in]) = 8.20 [0.323]
- Profile Height (Y-Axis) (mm [in]) = 10.90 [0.4291]

Housing Features:

- Centerline (mm [in]) = 3.96 [0.156]
- Connector Style = Plug
- Housing Color = Natural
- Housing Material = Nylon - GF
- Mating Alignment = With

Configuration Features:

- Number of Positions = 4
- Number of Rows = 1
- Tail Orientation = In-line

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- UL Flammability Rating = UL 94V-0

Environmental:

- Operating Temperature (°C [°F]) = -25 - +105 [-13 - +221]

Conditions for Usage:

- Applies To = Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire

Operation/Application:

Body Features:

- Selectively Loaded = No
- Header Type = Unshrouded
- Mating Retention = With

Contact Features:

- Contact Type = Pin
- Contact Plating, Termination Area, Material = Tin
- Contact Plating, Termination Area, Thickness (μm [μin]) = 0.8 [31.49]
- Contact Plating, Mating Area, Thickness (μm [μin]) = 0.8 [31.49]
- Contact Plating, Mating Area, Material = Tin
- Contact Design = Square Post
- Contact Base Material = Brass

- Application Use = Wire-to-Board

- Contact Transmits (Typical Application) = Power

Other:

- Brand = TE Connectivity

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