

647676-7 ✓ ACTIVE

Economy Power

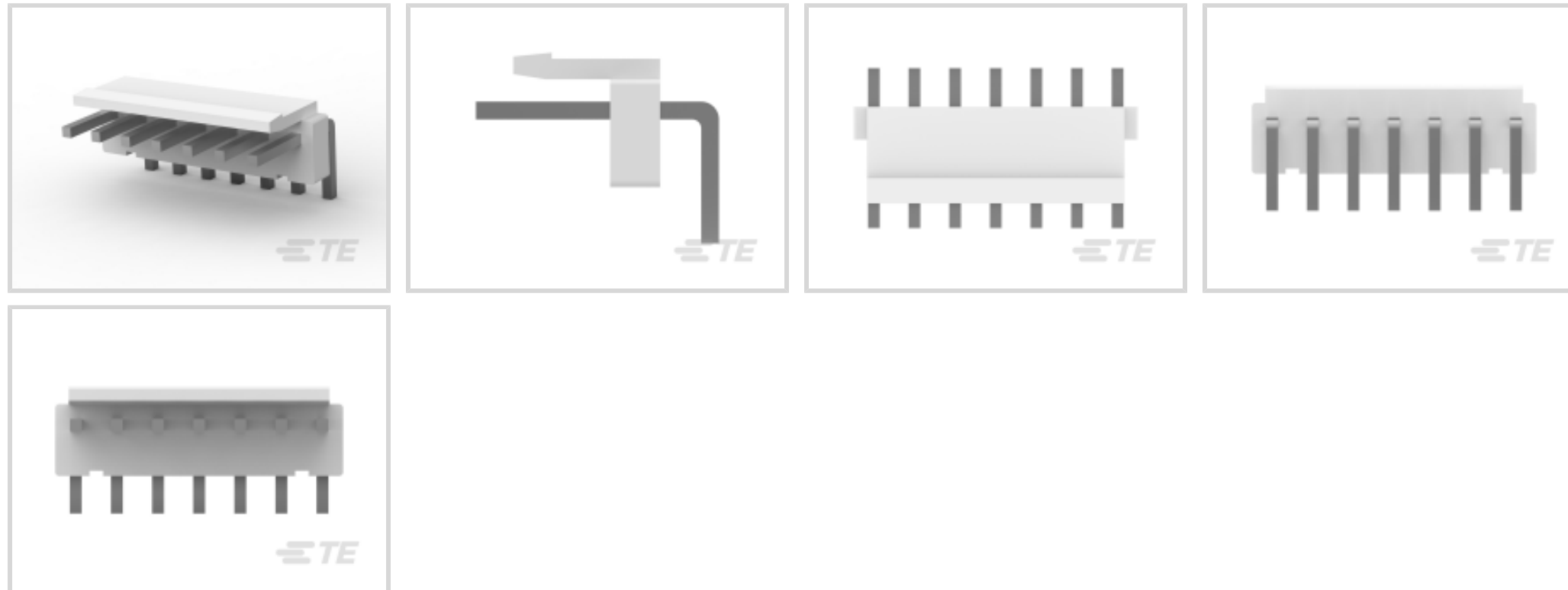
TE Internal #: 647676-7

PCB Mount Header, Right Angle, Wire-to-Board, 7 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Economy Power

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **7**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features



Connector Profile	Low
Primary Product Color	White

Contact Features

Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	2.032 μ m[80 μ in]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	8.6 mm[.33 in]
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.032 μ m[80 μ in]
Contact Type	Pin
Contact Current Rating (Max)	7.5 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Post & Tail Length	3.6 mm[.146 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Latch
Mating Alignment Type	Polarization
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	Nylon 66

Dimensions



	1.091 in
Connector Width	15.57 mm[.613 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.21 mm[.323 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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



TE Part # 1744525-5
EP RA 05P HEADER ASY NO 3 PIN



TE Part # 1744416-7
7 POS EP II HSG, GLOW WIRE




TE Part # 1744544-7
EP II TPA 07P, BLACK




TE Part # 2132781-7
07P EP-II HOUSING, NATURAL


Also in the Series | Economy Power



Connector Contacts(13)




Connector Hardware(2)




Insertion & Extraction Tools(1)



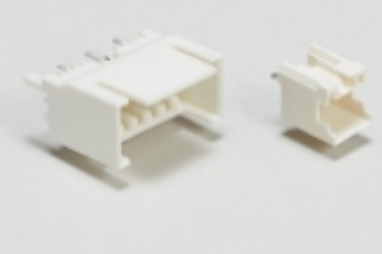
PCB Headers & Receptacles(463)



Power Contacts(7)

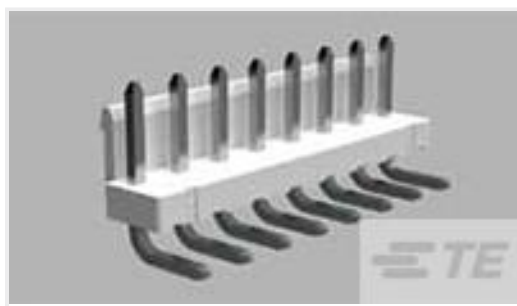


Rectangular Power Connectors(547)



Wire-to-Board Headers & Receptacles (463)

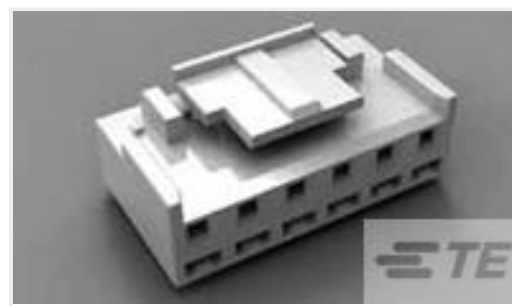
Customers Also Bought



TE Part #647676-9
3.96 EP HDR ASSY 9P R/A



TE Part #1123721-2
ECONOMY POWER CONN REC
CONT



TE Part #1-1123722-7
3.96 EP PLUG HSG 7P(NATURAL)



TE Part #1-1393243-5
RTE24524



TE Part #1877285-7
07P EP SHRD HDR ASMY, WHITE



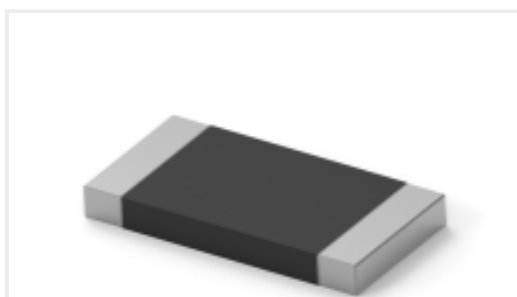
TE Part #4-1879354-5
RR03 5% 22R AMMO



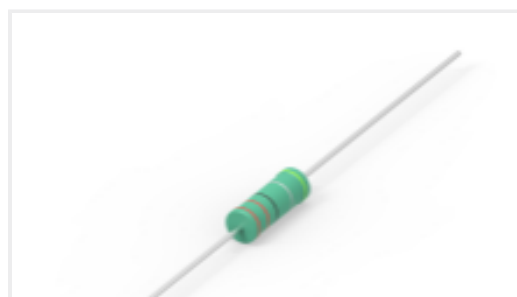
TE Part #1879502-2
CRGH2512 5% 15K 2W



TE Part #2071556-7
OJS-SH-112HMF,00000



TE Part #9-2176421-7
TLRP 2512 2.0W R180 1% 75PPM 4K RL



TE Part #2-2176611-5
EP 2W (SS) 10R 5%

Documents

Product Drawings

[3.96 EP HDR ASSY 7P R/A](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_647676-7_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_647676-7_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_647676-7_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



[7-1773458-5_ECONOMY_POWER_QRG](#)

English

Product Specifications

[Application Specification](#)

Japanese

[Application Specification](#)

English

Agency Approvals

[VDE Certificate](#)

English