1744427-8 ✔ ACTIVE

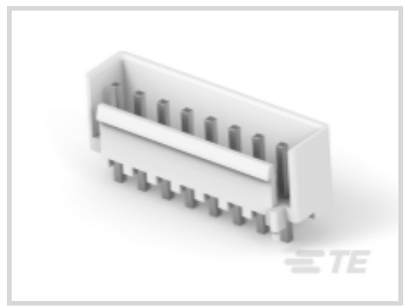
Economy Power

TE Internal #: 1744427-8

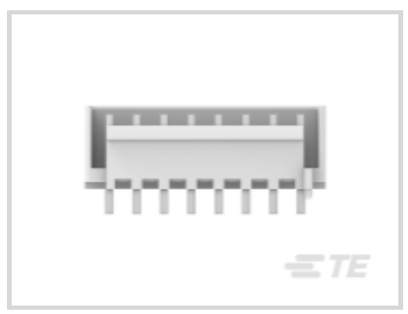
PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Economy Power

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







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

Number of Positions: **8**

Number of Rows: **1**

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

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	8
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	8 A

Termination Features

Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Post & Tail Length	3.62 mm[.142 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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

Dimensions

	.07 in

Connector Height	12 mm[.472 in]
Connector Width	9.58 mm[.37 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Glow Wire Rating	Glow Wire
Agency/Standard	UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	250
Packaging Type	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

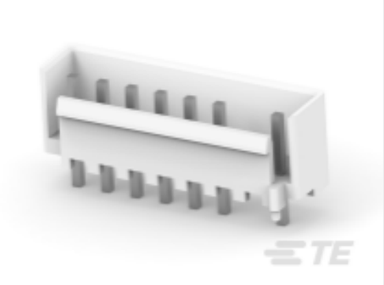
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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

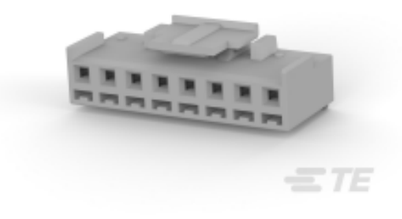
TE Part # 1744416-8
8 POS EP II HSG, GLOW WIRE

TE Part # 1744544-8
EP II TPA 08P, BLACK



TE Part # 1-1744427-8
EP HEADER ASY,SHROUDED,8 POS, GW,NO PIN7

TE Part # 1744357-8
3.96 EP SHROUDED HDR ASSY 8P W

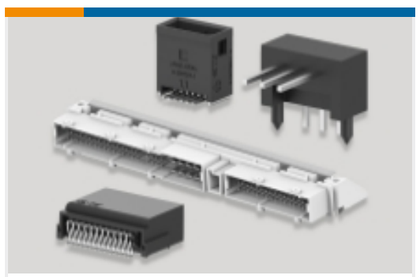


TE Part # 1744497-8
08P EP-II HOUSING, GREY

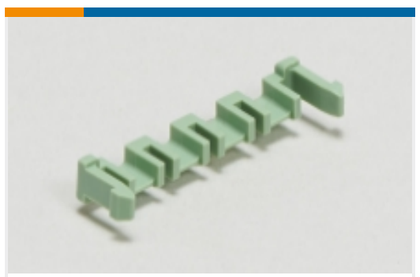
Also in the Series | Economy Power

Connector Contacts(1)

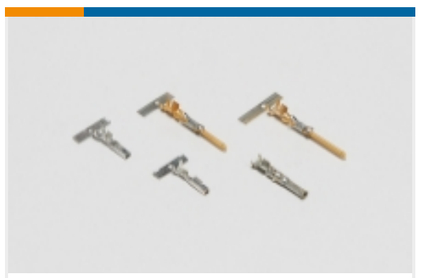
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(162)



PCB Latches, Locks & Retainers(2)



Power Contacts(8)

Rectangular Connector Housings(1)

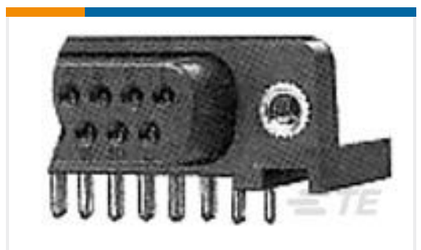
Rectangular Power Connectors(302)

Wire-to-Board Connector Assemblies & Housings(142)

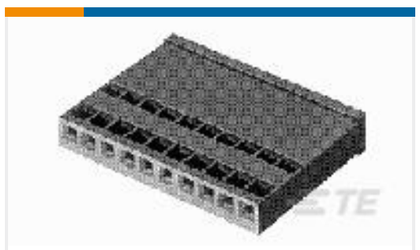
Wire-to-Board Connector Contacts(6)

Customers Also Bought

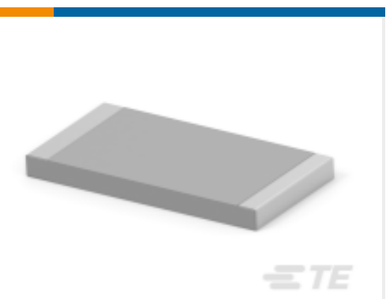
TE Part #1-1625984-0
HSA50 150R 5%



TE Part #5788800-2
25 HTMSFL ASSY RA 318 (IN,BL)



TE Part #1-87175-4
06 LOCKING CLIP HSG SR .100CL



TE Part #2176331-3
CRGP 2512 15R 1%

TE Part #87175-8
03 LOCKING CLIP HSG SR .100CL

TE Part #9-1879127-0
RN 0402 499R 0.1% 10PPM 5K RL

TE Part #1744427-6
EP Header Asy,Shrouded,6 Pos, GW

TE Part #1744427-7
EP Header Asy,Shrouded,7 Pos, GW

TE Part #1-1744427-2
EP Header Asy,Shrouded,12 Pos, GW

Documents

Product Drawings

EP Header Asy,Shrouded,8 Pos, GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744427-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744427-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744427-8_A.3d_stp.zip

English

Datasheets & Catalog Pages

Economy Power II (EP II) Glow Wire test compliant connectors

English

1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English