1-2132230-3 ✔ ACTIVE

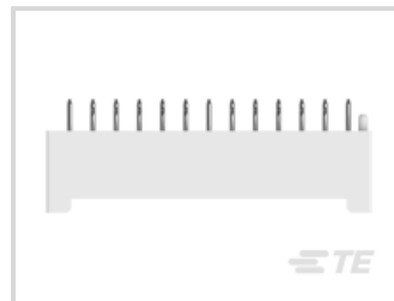
Economy Power 2.5

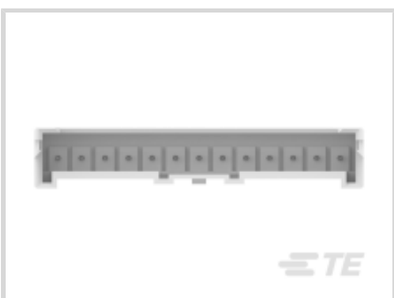
TE Internal #: 1-2132230-3

Economy Power 2.5, Rectangular Power Connectors, Header, Plug, Wire-to-Wire / Wire-to-Board, 13 Position, 2.5mm [.098in] Centerline

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors





Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **13**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

Header Type	Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Columns	13
Number of Loaded Positions	13
Number of Positions	13
PCB Mount Orientation	Vertical
Number of Power Positions	13
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Layout	In-line
Contact Underplating Material	Nickel
Contact Base Material	Brass
Contact Current Rating (Max)	4.2 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.032 µm[80 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Natural
Housing Material	PBT

Dimensions

Height	8.8 mm[.346 in]
Length	35 mm[1.37 in]
Width	6.4 mm[.251 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Shielded	No

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0

Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Recognized
Agency/Standard	UL

Packaging Features

Packaging Method	Bag
Packaging Quantity	300

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: JAN 2021 (211) Candidate List Declared Against: JAN 2018 (181) SVHC > Threshold: Not Yet Reviewed
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

TE Part # 2232983-1
EP 2.5 LIF RCPT CONTACT, 24-20 AWG

TE Part # 2110989-1
EP 2.5 RCPT CONTACT, 26-22 AWG

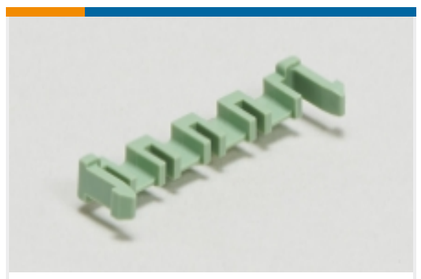
TE Part # 2232905-1
EP 2.5 LIF RCPT CONTACT, 26-22 AWG

TE Part # 1-1744417-3
13 POS EP 2.5 HSG, GLOW WIRE

TE Part # 1-1969442-3
EP 2.5 TPA Housing, 13 Pos

Also in the Series | Economy Power 2.5

Insertion & Extraction Tools(1)

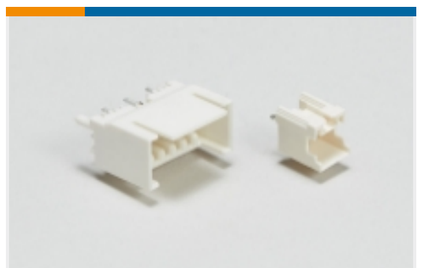


PCB Latches, Locks & Retainers(49)

Rectangular Power Connectors(43)

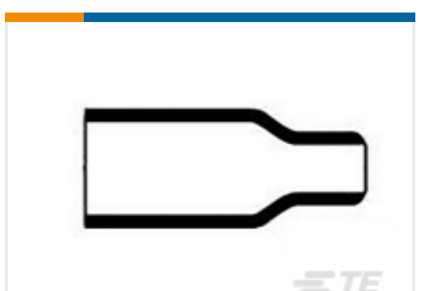
Wire-to-Board Connector Assemblies & Housings(216)

Wire-to-Board Connector Contacts(6)



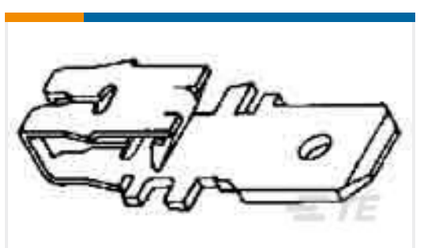
Wire-to-Board Headers & Receptacles (209)

Customers Also Bought



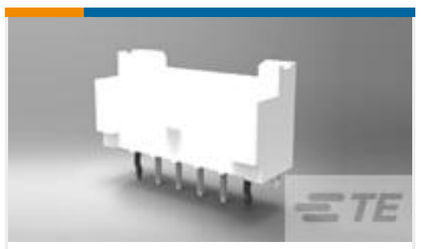
TE Part #811113-000
Heat Shrink Boots: Non Lipped, Straight

TE Part #1-2132230-5
EP2.5 Shrouded HDR ASSY 15P VE

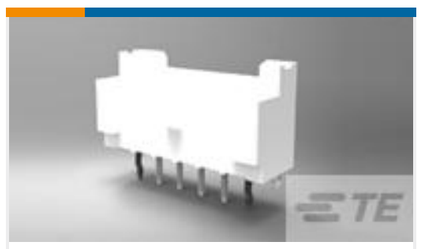


TE Part #1217128-1
TAB,187FAST 300SERIES MAG-MATE

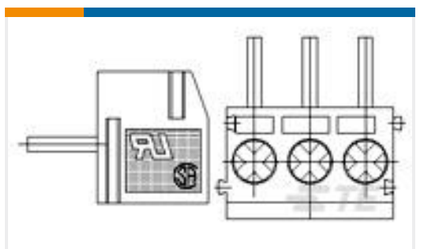
TE Part #1-2132230-1
EP2.5 Shrouded HDR ASSY 11P VE



TE Part #1-1744418-6
16 POS EP 2.5 HDR, GLOW WIRE

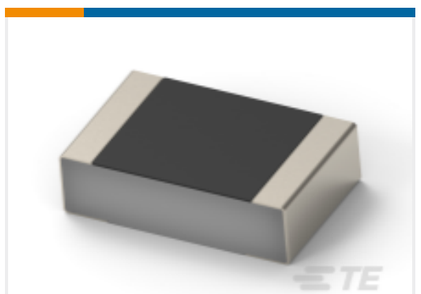


TE Part #1-2132415-3
EP2.5 Shrouded HDR ASSY 13P VERT w/oboss

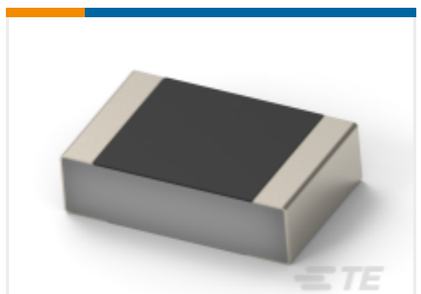


TE Part #1776253-8
R/A Top Wire Entry, 3.5mm, HT,

TE Part #3-641523-4
04P MTA156 POST CON ASSY LF



TE Part #4-2176073-3
CPF 0201 1K47 0.5% 25PPM 1K RL



TE Part #5-2176073-7
CPF 0201 2K05 0.5% 25PPM 1K RL

Documents

Product Drawings

EP2.5 Shrouded HDR ASSY 13P VE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2132230-3_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2132230-3_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2132230-3_H.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

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English