1648207-1 ✔ ACTIVE

ELCON | AMP-METRIMATE

TE Internal #: 1648207-1

Receptacle, Connector Assembly, Crimp, UL 94V-0, 250 VAC, Power & Signal, -40 – 105 °C [-40 – 221 °F], AMP-METRIMATE

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Termination Method to Wire & Cable: **Crimp**

UL Flammability Rating: **UL 94V-0**

Operating Voltage: **250 VAC**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Sealable	No

Electrical Characteristics

Operating Voltage	250 VDC

Body Features

Primary Product Color	Black
Cable Exit Angle	180°

Contact Features

Contact Current Rating (Max)	15 A
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp

Housing Features

Housing Material	PBT

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

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 2025 (250) Candidate List Declared Against: JAN 2025 (247) 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

Product Compliance Disclaimer

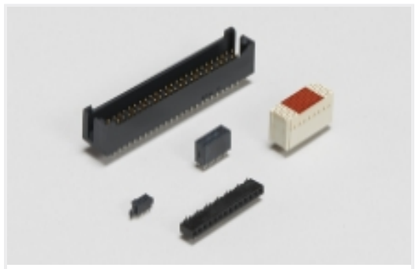
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

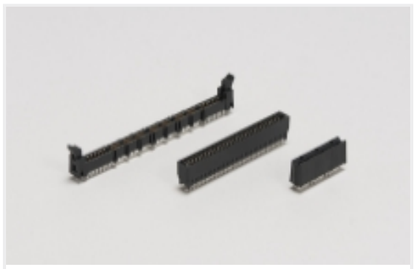


TE Part # 1648204-1
297-09-01100=SA CONN,PIN

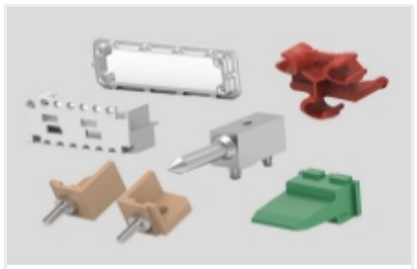
Also in the Series | AMP-METRIMATE



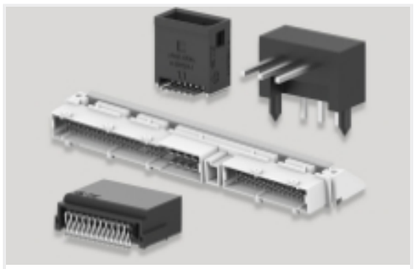
Board-to-Board Headers & Receptacles(1)



Card Edge Power Connectors(1)



Connector Hardware(1)



PCB Headers & Receptacles(1)



Rack & Panel Connectors(1)



Rectangular Power Connectors(3)



SO DIMM Sockets(12)

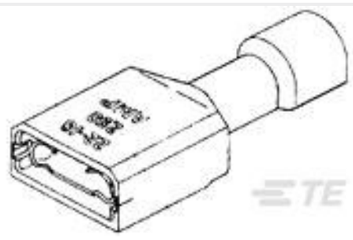
Customers Also Bought



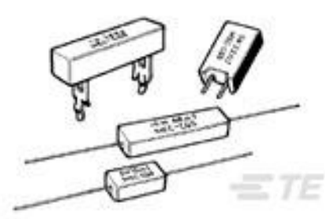
TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #34854
TERMINAL,PG R 12-10 10



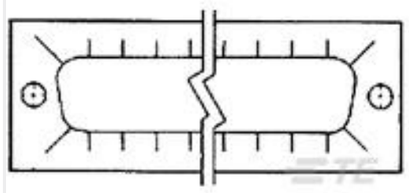
TE Part #4-520448-2
ULTRAFAST 250 ASSY REC 12-10 TPBR LP



TE Part #1623802-7
SQZ15 120K 5% (METAL FILM)



TE Part #1766194-1
CONTACT,PIN,#16



TE Part #5747024-3
RFI GASKET, SIZE 1, PLATED



TE Part #1-6609032-9
20VR6=F7312 S0



TE Part #601967-2
POSITIONER M22520/1-02



TE Part #1648204-1
297-09-01100=SA CONN,PIN

Documents

Product Drawings

298-09-01100=SA CONN,SKT

English

CAD Files

Customer View Model

ENG_CVM_1648207-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1648207-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_1648207-1_A.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED

English

AMP & ELCON Power Connector Layout Forms Datasheet 6-1773444-7

English

Product Specifications

Product Specification

English