524227-E ✔ ACTIVE

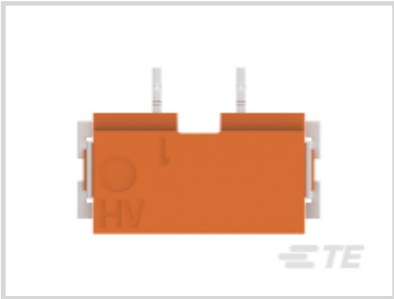
ERNI | ERNI VolTron 1000

TE Internal #: 524227-E

PCB Mount Header, Right Angle, Cable-to-Board, 2 Position, 6.2 mm [.244 in] Centerline, Fully Shrouded, Gold (Au), Surface Mount, ERNI VolTron 1000

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles > VolTron 1000 Headers



PCB Connector Type: **PCB Mount Header**

Connector System: **Cable-to-Board**

Number of Positions: **2**

Number of Rows: **1**

Centerline (Pitch): **6.2 mm [.244 in]**

All VolTron 1000 Headers (12)

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Cable-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	2
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	1000 VDC

Body Features

Primary Product Color	Orange

Contact Features

PCB Contact Termination Area Plating Material Thickness	4 – 6 µm[157 – 236 µin]
Contact Underplating Material	Nickel
Contact Layout	Inline
Contact Mating Area Length	6.4 mm[.252 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	.5 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Alignment Type	Locating Posts
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Centerline (Pitch)	6.2 mm[.244 in]
Housing Material	PPA

Dimensions

Connector Height	5.1 mm[.2 in]
Connector Length	17 mm[.669 in]

Usage Conditions

Operating Temperature (Max)	150 °C[302 °F]
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tape & Reel

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: FEB 2026 (253) 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	Not reviewed for solder process capability

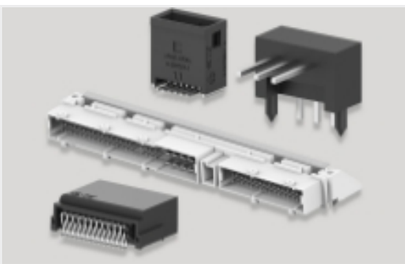
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 544951-E
SRCBUG A 6,20 * 2 CSI 999 * K-AD B500 J

Also in the Series | ERNI VolTron 1000



PCB Headers & Receptacles(6)

Rectangular Power Connectors(6)

Customers Also Bought

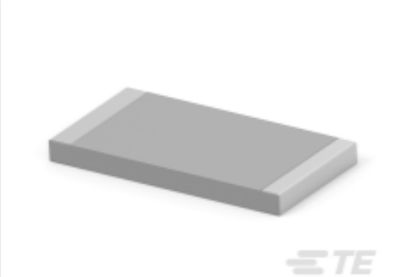
TE Part #464762-E
SRCROL A 2,54 2 C2022 10TS 137 * 9999 J

TE Part #CAT-0B3-VOLTRONHDR
VolTron 1000 Headers

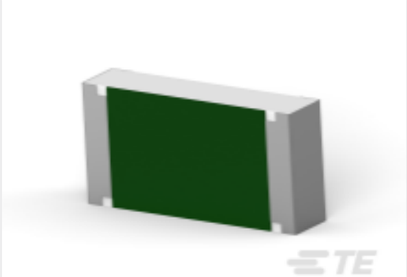
TE Part #1-499252-0
024 STRAIN RELIEF A-L RCPT

TE Part #1376009-1
DYNAMIC D2100 HDR H ASSY 8P X

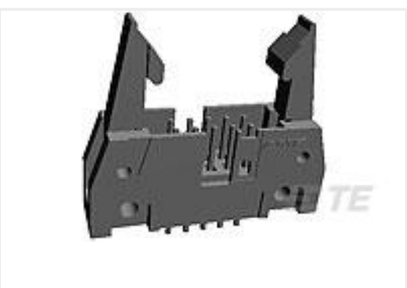
TE Part #2-1445093-8
MICRO MNL HDR ASSY S/ROW AU LF



TE Part #5-2176331-3
CRGP 2512 220K 1%



TE Part #7-2176397-7
3502 1K5 1%



TE Part #5499922-5
A/L UNIV HDR 24P VERT LAT

TE Part #5747847-4
37 MSFL RCPT RA 318 (IN,FM,BL)

Documents

Product Drawings

SRCA 6,20 2 M * SMD 137 E-HD 205 * * * J

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_524227-E_E.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_524227-E_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_524227-E_E.3d_igs.zip

English

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

Datasheets & Catalog Pages

ERNI VolTron 1000 Connectors

English

Product Specifications

Application Specification

English