



Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Number of Positions: **192**

Row-to-Row Spacing: **1.25 mm [ .05 in ]**

Mating Alignment: **With**

Features

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector System                  | Board-to-Board        |
| Backplane Module Type             | Center                |
| PCB Connector Assembly Type       | PCB Mount Header      |
| Shroud Style                      | Unshrouded            |

Configuration Features

|                            |     |
|----------------------------|-----|
| Number of Pairs            | 96  |
| Number of Signal Positions | 192 |
| Stackable                  | Yes |
| Pairs per Column           | 8   |
| Number of Positions        | 192 |

|                       |          |
|-----------------------|----------|
| Number of Rows        | 8        |
| Number of Columns     | 12       |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 30 VAC |
| Impedance         | 30 Ω   |

Body Features

|                       |              |
|-----------------------|--------------|
| Shield Material       | Copper Alloy |
| Primary Product Color | Natural      |

Contact Features

|                                                         |                           |
|---------------------------------------------------------|---------------------------|
| Contact Underplating Material                           | Nickel                    |
| PCB Contact Termination Area Plating Material Thickness | .5 – 2.5 μm[20 – 100 μin] |
| Contact Shape & Form                                    | Dual Beam                 |
| Contact Base Material                                   | Copper Alloy              |
| PCB Contact Termination Area Plating Material           | Tin                       |
| Contact Type                                            | Pin                       |
| Contact Current Rating (Max)                            | .5 A                      |

Termination Features

|                                |                          |
|--------------------------------|--------------------------|
| Termination Method to PCB      | Through Hole - Press-Fit |
| Termination Post & Tail Length | 1.6 mm[.493 in]          |

Mechanical Attachment

|                          |                       |
|--------------------------|-----------------------|
| Guide Hardware           | Without               |
| PCB Mount Retention      | With                  |
| Mating Retention         | Without               |
| PCB Mount Retention Type | Action/Compliant Tail |
| PCB Mount Alignment      | With                  |
| Mating Alignment         | With                  |
| Mating Alignment Type    | Polarization          |

Housing Features

|                          |                              |
|--------------------------|------------------------------|
| Number of Shrouded Sides | 0                            |
| End Wall Location        | None                         |
| Housing Material         | LCP (Liquid Crystal Polymer) |



|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 1.45 mm[.057 in] |
|--------------------|------------------|

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.2 mm            |
| Connector Width             | 12.51 mm[.493 in] |
| PCB Hole Diameter           | .4 mm[.016 in]    |
| Connector Height            | 9.5 mm[.374 in]   |
| Connector Length            | 17.3 mm[.681 in]  |
| Row-to-Row Spacing          | 1.25 mm[.05 in]   |

Usage Conditions

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

Operation/Application

|                     |            |
|---------------------|------------|
| Durability Rating   | 250 Cycles |
| Circuit Application | Signal     |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                             |
| Solder Process Capability                     | Not applicable 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 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 # 1982738-2  
Female Connector IEC

TE Part # 1857657-2  
Female Connector

TE Part # 528508-2  
REMOVAL TOOL Z-PACK MALE SLIM UHD

Also in the Series | Z-PACK Slim UHD

Hard Metric Backplane Connectors(2)

High Speed Backplane Connectors(12)

Customers Also Bought

TE Part #7-338069-8  
Female-on-Board Connector, Top Entry

TE Part #825440-5  
MOD 2 PINHDR 2X05P.

TE Part #5-103414-8  
10 MODII HDR SRST SHRD LF

TE Part #1645498-4  
UNV,PWR,MDL.6 POS. VERT.HDR, 15MM STACK



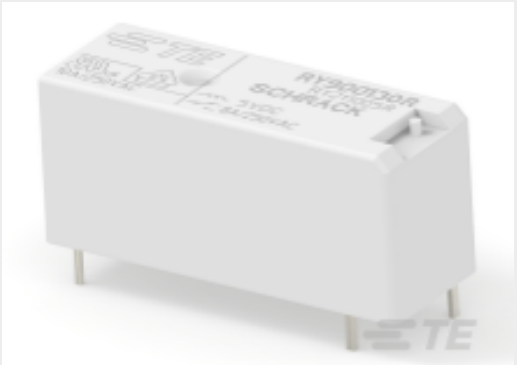
TE Part #329636  
TERMINAL,PIDG R 24-20 2



TE Part #1-1393236-8  
V23092-A1018-A201



TE Part #120943-4  
ASSEMBLY, R/A UPM RECPT, 6 POS



TE Part #1956164-9  
RY900130R (RY211005R)

Documents

Product Drawings

Vert.Male, IEC L2

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2042088-2\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2042088-2\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2042088-2\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

High Speed Backplane Connectors catalog - Z-PACK Slim UHD Connector

English

Z-Pack Slim UHD Connector Platform

English

Product Specifications

Application Specification

English

Instruction Sheets

Customer Manual (non U.S.)

German

Customer Manual (non U.S.)

German

Agency Approvals

UL Report



English