

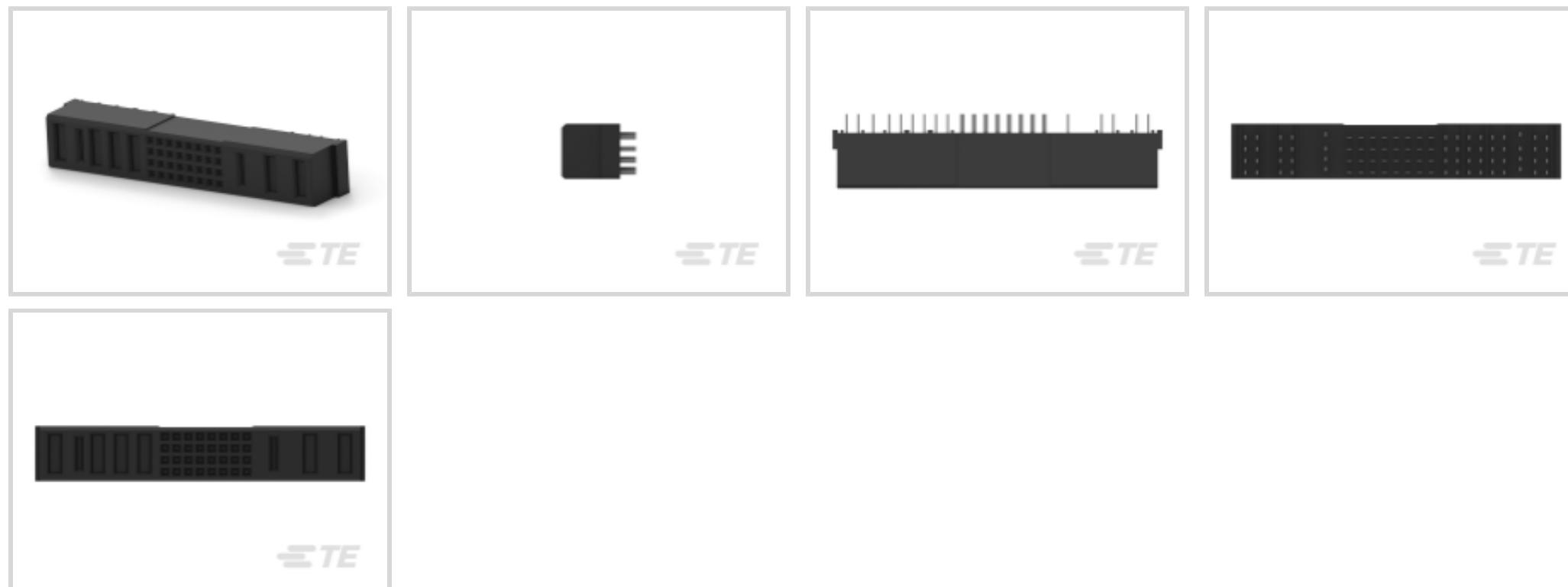
**2309390-1**

✓ ACTIVE

TE Internal #: 2309390-1

40 Position Backplane Power Connector, PCB Mount Receptacle,  
Board-to-Board, Vertical, Traditional Backplane, Printed Circuit  
Board[View on TE.com >](#)

Connectors &gt; Power Connectors &gt; Backplane Power Connectors

Number of Positions: **40**PCB Connector Assembly Type: **PCB Mount Receptacle**Connector System: **Board-to-Board**PCB Mount Orientation: **Vertical**Backplane Architecture: **Traditional Backplane**

## Features

### Housing Features

|                  |               |
|------------------|---------------|
| Housing Color    | Black         |
| Housing Material | Thermoplastic |

### Industry Standards

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

### Contact Features

|   |                  |
|---|------------------|
| PCB Contact Termination Area Plating Material Thickness | .127 µm[5 µin]   |
| Contact Mating Area Plating Material                    | Gold over Nickel |
| Contact Base Material                                   | Copper Alloy     |
| PCB Contact Termination Area Plating Material           | Gold             |
| Contact Type  | Socket           |
| Contact Mating Area Plating Material Thickness          | 1.27 µm[50 µin]  |
| Contact Current Rating (Max)                            | 75 A             |

### Product Type Features

|                          |            |
|--------------------------|------------|
| Connector & Housing Type | Receptacle |
|--------------------------|------------|

PCB Connector Assembly Type

PCB Mount Receptacle

Connector System

Board-to-Board

Connector &amp; Contact Terminates To

Printed Circuit Board

**Configuration Features**

Number of Columns

8

Number of Power Positions

8

Number of Signal Positions

32

Number of Positions

40

PCB Mount Orientation

Vertical

Backplane Architecture

Traditional Backplane

Stackable

No

**Electrical Characteristics**

Operating Voltage

300 VDC

**Termination Features**

Termination Method to PCB

Through Hole - Press-Fit

**Usage Conditions**

Operating Temperature Range

-40 – 125 °C [-40 – 257 °F]

**Operation/Application**

Circuit Application

Power &amp; Signal

**Other**

EU RoHS Compliance

Compliant

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://TE.com)>

EU RoHS Directive 2011/65/EU

Compliant

EU ELV Directive 2000/53/EC

Not Yet Reviewed

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)

Candidate List Declared Against: JAN 2024 (240)

SVHC &gt; Threshold:

Pb (13% in Component plated)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

## Halogen Content

Low Halogen - Br, Cl, F, I < 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 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 # 2314578-2  
R/A HEADER, MULTI-BEAM XLE, VITA  
62



TE Part # 2317477-1  
R/A HEADER, MULTI-BEAM XLE, VITA  
62

## Customers Also Bought



TE Part #2102735-1  
BP, Half Left End, MULTIGIG RT 2R



TE Part #1-1469492-8  
MULTIGIG RT 9MM GUIDE/ESD 315  
DEG



TE Part #53422-1  
TERMINAL,PIDG PVF2 R 16-14 1/2  
DEG



TE Part #2000973-1  
Connector Kit, Rcpt, Backplane, MT,  
V66.1



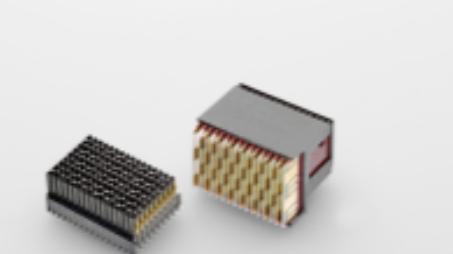
TE Part #2102772-1  
DC, 7Row, Half Left End, MULTIGIG  
RT 2R



TE Part #2000676-7  
Keyed Guide Pin, Machined



TE Part #3826043001  
44A1121-20-0/2-9



TE Part #2302785-1  
RA PLUG ASSY,7ROW,CENTER,VPX,  
MG RT3



## Documents

### Product Drawings

#### VERT RECPT, MULTI-BEAM XLE, VITA 62

English

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### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2309390-1\\_B2.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2309390-1\\_B2.3d\\_jgs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2309390-1\\_B2.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

#### SOSA Aligned Interconnect Solutions

English

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### Product Specifications

#### Application Specification

English