6450849-7 ✔ ACTIVE

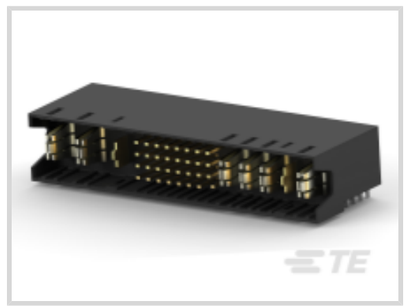
MULTI-BEAM | MULTI-BEAM XLE

TE Internal #: 6450849-7

PCB Mount Header, Right Angle, Board-to-Board, 40 Position, 2.54 mm / 5.08 mm / 7.62 mm [.1 in / .2 in / .3 in] Centerline, MULTI-BEAM XLE

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Columns	16
Number of Loaded Positions	40
Mating & Unmating Configuration	Normal

Number of Signal Positions	32
Number of Power Positions	8
PCB Mount Orientation	Right Angle
Number of Positions	40
Number of Rows	4

Electrical Characteristics

Operating Voltage	60 VDC, 300 VDC

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	.64mm
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Shape & Form	Square
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Blade, Tab
Contact Current Rating (Max)	50 A

Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Mating Alignment	With

Housing Features

Housing Material	High Temperature Thermoplastic Glass-Filled
Centerline (Pitch)	5.08 mm, 7.62 mm, 2.54 mm[.3 in][.1 in][.2 in]

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Connector Width	23.62 mm[.93 in]
PCB Thickness (Recommended)	1.35 mm[.053 in]
Connector Height	14.58 mm[.574 in]
Connector Length	71.63 mm[2.82 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Glow Wire Rating	High Temperature Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	33
Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

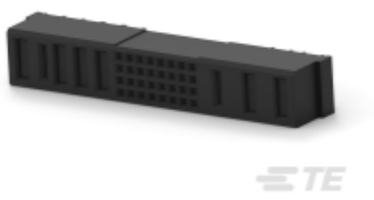
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900

	ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

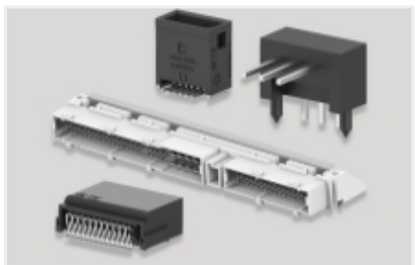
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-6450869-4
V/R 2ACP+1LP+32S+3HDP+1LP+1P

Also in the Series | MULTI-BEAM XLE



PCB Headers & Receptacles(99)



Rectangular Power Connectors(12)

Customers Also Bought



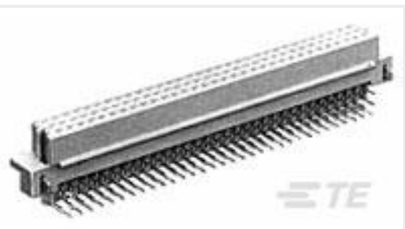
TE Part #2000713-5
RA Keyed Guide Mod, Vita 46, Machined



TE Part #1-1469492-1
MULTIGIG RT 9MM GUIDE/ESD 0 DEG



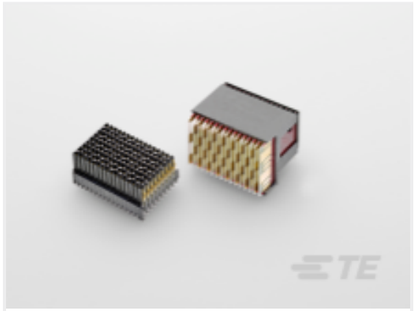
TE Part #1-1469492-8
MULTIGIG RT 9MM GUIDE/ESD 315 DEG



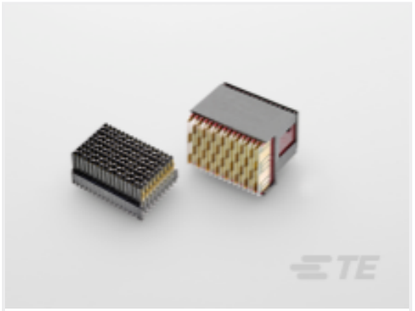
TE Part #650461-4
096 EURO TYPE R RECPT ASSY



TE Part #1-1469492-9
MULTIGIG RT 9MM GUIDE/ESD UNKE



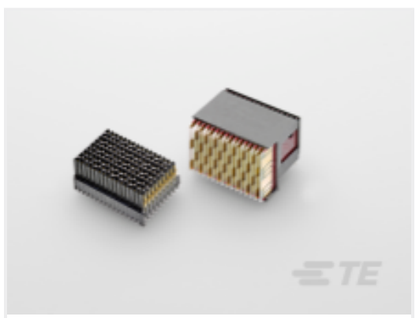
TE Part #2302790-1
VERTRECASSY,RIGHTEND,MULTIGIG RT3



TE Part #2332817-1
Vert RCPT Left End Half Multigig RT 3



TE Part #2000713-1
RA Keyed Guide Mod, Vita 46, Machined



TE Part #2332816-1
RA Plug Assy Left End Multigig RT 3

Documents

Product Drawings

MBXLE R/A HED 2ACP+1LP+32S+3HDP+1LP+1P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6450849-7_3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6450849-7_3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6450849-7_3.3d_stp.zip

English

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

Datasheets & Catalog Pages

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English