



TE Internal #: 2314578-2
40 Position Backplane Power Connector, PCB Mount Header,
Board-to-Board, Right Angle, Traditional Backplane, Printed Circuit
Board
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Connectors > Power Connectors > Backplane Power Connectors



Number of Positions: 40
PCB Connector Type: PCB Mount Header
Connector System: Board-to-Board
PCB Mount Orientation: Right Angle
Backplane Architecture: Traditional Backplane

Features

Product Type Features

Connector & Housing Type	Receptacle
PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Connector & 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	Right Angle
Backplane Architecture	Traditional Backplane
Stackable	No

Electrical Characteristics

Operating Voltage	300 VDC
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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

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Housing Features

Housing Color	Black
Housing Material	Thermoplastic

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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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: JAN 2025 (247) 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	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 # 2309390-1
VERT RECPT, MULTI-BEAM XLE, VITA 62

Customers Also Bought

TE Part #1410946-1
MULTI-GIG SOC. CAP SCREW, CUSTOMIZED HDW

TE Part #2428014-1
Conn G SSA 38999 S3 Shell 25

TE Part #6450863-5
MBXLE VERT RCPT 7ACP

TE Part #6-2271122-2
M12, MALE, A CODE, R/A, 12P, PG9 (AU)

TE Part #324587
TERMINAL,PIDG SPD FLG 12-10 6

TE Part #686779-002
22759/33-26-3

TE Part #2000713-3
RA Keyed Guide Mod, Vita 46, Machined

TE Part #374543-E
STVC 96 M ABC VVV 4-00 0606 * * 137 E007

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

TE Part #1-6450869-0
V/R
2ACP+8S+4ACP+16S+2ACP+12S+2ACP

Documents



Product Drawings

R/A HEADER, MULTI-BEAM XLE, VITA 62

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2314578-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2314578-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2314578-2_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOSA Aligned Interconnect Solutions

English